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**Department of Defense
Fiscal Year (FY) 2015 Budget Estimates**

March 2014



Air Force

Justification Book Volume 2

Aircraft Procurement, Air Force

Vol-2

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Air Force • Budget Estimates FY 2015 • Procurement

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Department of the Air Force
 FY 2015 President's Budget
 Exhibit P-1 FY 2015 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

04 Mar 2014

Appropriation: Aircraft Procurement, Air Force

| Budget Activity ----- | FY 2013 (Base & OCO) ----- | FY 2014 Base Enacted ----- | FY 2014 OCO Enacted ----- | FY 2014 Total Enacted ----- | FY 2015 Base ----- |
|--|----------------------------------|----------------------------------|---------------------------------|-----------------------------------|--------------------------|
| 01. Combat Aircraft | 2,825,584 | 3,229,135 | | 3,229,135 | 3,844,926 |
| 02. Airlift Aircraft | 941,277 | 1,303,072 | | 1,303,072 | 2,858,076 |
| 04. Other Aircraft | 1,432,689 | 1,128,650 | 73,200 | 1,201,850 | 395,832 |
| 05. Modification of Inservice Aircraft | 3,635,094 | 2,874,156 | 109,668 | 2,983,824 | 2,664,211 |
| 06. Aircraft Spares and Repair Parts | 680,703 | 398,286 | | 398,286 | 466,562 |
| 07. Aircraft Supt Equipment & Facilities | 1,173,806 | 1,445,881 | 6,000 | 1,451,881 | 1,312,964 |
| Total Aircraft Procurement, Air Force | 10,689,153 | 10,379,180 | 188,868 | 10,568,048 | 11,542,571 |

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Department of the Air Force
 FY 2015 President's Budget
 Exhibit P-1 FY 2015 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

04 Mar 2014

Appropriation: 3010F Aircraft Procurement, Air Force

| Line No | Item Nomenclature | Ident Code | FY 2013 (Base & OCO) | | FY 2014 Base Enacted | | FY 2014 OCO Enacted | | FY 2014 Total Enacted | | FY 2015 Base | | S e c |
|--------------------------------------|--------------------------------|------------|-------------------------|-------------|-------------------------|-------------|------------------------|------|--------------------------|-------------|-----------------|-------------|-------------|
| | | | Quantity | Cost | Quantity | Cost | Quantity | Cost | Quantity | Cost | Quantity | Cost | |
| Budget Activity 01: Combat Aircraft | | | | | | | | | | | | | |
| ----- | | | | | | | | | | | | | |
| Tactical Forces | | | | | | | | | | | | | |
| 1 | F-35 | A | 19 | (2,761,161) | 19 | (3,183,002) | | | 19 | (3,183,002) | 26 | (3,892,579) | U |
| | Less: Advance Procurement (PY) | | | (-228,977) | | (-293,400) | | | | (-293,400) | | (-339,533) | U |
| | | | | ----- | | ----- | | | | ----- | | ----- | |
| | | | | 2,532,184 | | 2,889,602 | | | | 2,889,602 | | 3,553,046 | |
| 2 | F-35 | | | | | | | | | | | | |
| | Advance Procurement (CY) | | | 293,400 | | 339,533 | | | | 339,533 | | 291,880 | U |
| | | | | ----- | | ----- | | | | ----- | | ----- | |
| | | | | 2,825,584 | | 3,229,135 | | | | 3,229,135 | | 3,844,926 | |
| Budget Activity 02: Airlift Aircraft | | | | | | | | | | | | | |
| ----- | | | | | | | | | | | | | |
| Tactical Airlift | | | | | | | | | | | | | |
| 3 | KC-46A Tanker | A | | | | | | | | | 7 | 1,582,685 | U |
| Other Airlift | | | | | | | | | | | | | |
| 4 | C-130J | A | | (84,190) | 6 | (477,517) | | | 6 | (477,517) | 7 | (580,396) | U |
| | Less: Advance Procurement (PY) | | | | | | | | | | | (-98,000) | U |
| | | | | ----- | | ----- | | | | ----- | | ----- | |
| | | | | 84,190 | | 477,517 | | | | 477,517 | | 482,396 | |
| 5 | C-130J | | | | | | | | | | | | |
| | Advance Procurement (CY) | | | 79,762 | | 162,000 | | | | 162,000 | | 140,000 | U |
| 6 | HC-130J | A | 1 | (273,120) | 1 | (122,121) | | | 1 | (122,121) | 4 | (388,024) | U |
| | Less: Advance Procurement (PY) | | | (-10,000) | | | | | | | | (-56,000) | U |
| | | | | ----- | | ----- | | | | ----- | | ----- | |
| | | | | 263,120 | | 122,121 | | | | 122,121 | | 332,024 | |
| 7 | HC-130J | | | | | | | | | | | | |
| | Advance Procurement (CY) | | | 10,000 | | 88,000 | | | | 88,000 | | 50,000 | U |

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Department of the Air Force
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 Total Obligational Authority
 (Dollars in Thousands)

04 Mar 2014

Appropriation: 3010F Aircraft Procurement, Air Force

| Line No | Item Nomenclature | Ident Code | FY 2013 (Base & OCO) | | FY 2014 Base Enacted | | FY 2014 OCO Enacted | | FY 2014 Total Enacted | | FY 2015 Base | | S e c |
|------------------------------------|---|------------|-------------------------|------------------------|-------------------------|------------------------|------------------------|----------|--------------------------|------------------------|-----------------|------------------------|--------|
| | | | Quantity | Cost | Quantity | Cost | Quantity | Cost | Quantity | Cost | Quantity | Cost | |
| 8 | MC-130J Less: Advance Procurement (PY) | A | 4 | (504,205) (-40,000) | 4 | (349,434) | | | 4 | (349,434) | 2 | (218,971) (-28,000) | U U |
| | | | | 464,205 | | 349,434 | | | | 349,434 | | 190,971 | |
| 9 | MC-130J Advance Procurement (CY) | | | 40,000 | | 104,000 | | | | 104,000 | | 80,000 | U |
| | Total Airlift Aircraft | | | 941,277 | | 1,303,072 | | | | 1,303,072 | | 2,858,076 | |
| Budget Activity 04: Other Aircraft | | | | | | | | | | | | | |
| ----- | | | | | | | | | | | | | |
| Helicopters | | | | | | | | | | | | | |
| 10 | CV-22 (MYP) Less: Advance Procurement (PY) | A | 4 | (295,286) (-20,000) | 2 | (227,798) (-15,000) | 1 | (73,200) | 3 | (300,998) (-15,000) | | | U U |
| | | | | 275,286 | | 212,798 | | 73,200 | | 285,998 | | | |
| 11 | CV-22 (MYP) Advance Procurement (CY) | | | 15,000 | | | | | | | | | U |
| Mission Support Aircraft | | | | | | | | | | | | | |
| 12 | Civil Air Patrol A/C | A | 5 | 8,531 | 6 | 10,200 | | | 6 | 10,200 | 6 | 2,562 | U |
| Other Aircraft | | | | | | | | | | | | | |
| 13 | Target Drones | A | 15 | 109,537 | 41 | 123,669 | | | 41 | 123,669 | 37 | 98,576 | U |
| 14 | AC-130J Less: Advance Procurement (PY) | | 2 | (183,754) (-20,000) | 5 | (420,019) | | | 5 | (420,019) | | | U U |
| | | | | 163,754 | | 420,019 | | | | 420,019 | | | |
| 15 | AC-130J Advance Procurement (CY) | | | 50,000 | | | | | | | | | U |
| 16 | RQ-4 | A | | 118,360 | | 11,000 | | | | 11,000 | | 54,475 | U |
| 17 | AC-130J | A | | | | | | | | | | | 1 U |

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04 Mar 2014

Appropriation: 3010F Aircraft Procurement, Air Force

| Line No | Item Nomenclature | Ident Code | FY 2013 (Base & OCO) | | FY 2014 Base Enacted | | FY 2014 OCO Enacted | | FY 2014 Total Enacted | | FY 2015 Base | | S e c |
|--|---|------------|-------------------------|-----------|-------------------------|-----------|------------------------|--------|--------------------------|-----------|-----------------|---------|-------|
| | | | Quantity | Cost | Quantity | Cost | Quantity | Cost | Quantity | Cost | Quantity | Cost | |
| 18 | MQ-9 | A | 36 | 681,530 | 20 | 349,217 | | | 20 | 349,217 | 12 | 240,218 | U |
| 19 | RQ-4 Block 40 Proc | A | | 10,691 | | 1,747 | | | | 1,747 | | | U |
| Total Other Aircraft | | | | 1,432,689 | | 1,128,650 | | 73,200 | | 1,201,850 | | 395,832 | |
| Budget Activity 05: Modification of Inservice Aircraft | | | | | | | | | | | | | |
| ----- | | | | | | | | | | | | | |
| Strategic Aircraft | | | | | | | | | | | | | |
| 20 | B-2A | A | | 76,131 | | 17,019 | | | | 17,019 | | 23,865 | U |
| 21 | B-1B | A | | 136,025 | | 104,135 | | | | 104,135 | | 140,252 | U |
| 22 | B-52 | A | | 1,906 | | 90,803 | | | | 90,803 | | 180,148 | U |
| 23 | Large Aircraft Infrared Countermeasures | A | | 154,864 | | 27,197 | | 94,050 | | 121,247 | | 13,159 | U |
| Tactical Aircraft | | | | | | | | | | | | | |
| 24 | A-10 | A | | 232,223 | | 47,598 | | | | 47,598 | | | U |
| 25 | F-15 | A | | 190,163 | | 346,624 | | | | 346,624 | | 387,314 | U |
| 26 | F-16 | A | | 6,887 | | 9,334 | | | | 9,334 | | 12,336 | U |
| 27 | F-22A | A | | 270,875 | | 232,156 | | | | 232,156 | | 180,207 | U |
| 28 | F-35 Modifications | A | | 80,715 | | 126,777 | | | | 126,777 | | 187,646 | U |
| 29 | Increment 3.2b Advance Procurement (CY) | | | | | | | | | | | 28,500 | U |
| Airlift Aircraft | | | | | | | | | | | | | |
| 30 | C-5 | A | | 6,958 | | 956 | | | | 956 | | 14,731 | U |

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Appropriation: 3010F Aircraft Procurement, Air Force

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|------------------|--------------------------------|------------|-------------------------|-----------|-------------------------|-------------|------------------------|--------|--------------------------|-------------|-----------------|-----------|-------|
| | | | Quantity | Cost | Quantity | Cost | Quantity | Cost | Quantity | Cost | Quantity | Cost | |
| 31 | C-5M | A | | (948,932) | | (1,095,517) | | | | (1,095,517) | | (331,466) | U |
| | Less: Advance Procurement (PY) | | | (-96,200) | | (-175,800) | | | | (-175,800) | | | U |
| | | | | 852,732 | | 919,717 | | | | 919,717 | | 331,466 | |
| 32 | C-5M | | | | | | | | | | | | U |
| | Advance Procurement (CY) | | | 175,800 | | | | | | | | | |
| 33 | C-17A | A | | 195,608 | | 98,197 | | | | 98,197 | | 127,494 | U |
| 34 | C-21 | A | | 199 | | 103 | | | | 103 | | 264 | U |
| 35 | C-32A | A | | 1,709 | | 8,205 | | | | 8,205 | | 8,767 | U |
| 36 | C-37A | A | | 445 | | 452 | | | | 452 | | 18,457 | U |
| 37 | C-130 AMP | A | | 9,987 | | | | | | | | | U |
| Trainer Aircraft | | | | | | | | | | | | | |
| 38 | Glider Mods | A | | 116 | | 128 | | | | 128 | | 132 | U |
| 39 | T-6 | A | | 13,633 | | 5,392 | | | | 5,392 | | 14,486 | U |
| 40 | T-1 | A | | 272 | | 277 | | | | 277 | | 7,650 | U |
| 41 | T-38 | A | | 19,428 | | 19,334 | | | | 19,334 | | 34,845 | U |
| Other Aircraft | | | | | | | | | | | | | |
| 42 | U-2 Mods | A | | 46,800 | | | | | | | | | U |
| 43 | U-2 Mods | A | | 37,003 | | 38,247 | | 11,300 | | 49,547 | | | U |
| 44 | KC-10A (ATCA) | A | | 8,574 | | 48,169 | | | | 48,169 | | 34,313 | U |
| 45 | C-12 | A | | 873 | | 876 | | | | 876 | | 1,960 | U |
| 46 | MC-12W | A | | 17,032 | | | | | | | | | U |
| 47 | C-20 Mods | A | | 243 | | 192 | | | | 192 | | | U |

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|---------|--|------------|-------------------------|---------|-------------------------|---------|------------------------|-------|--------------------------|---------|-----------------|---------|-------|
| | | | Quantity | Cost | Quantity | Cost | Quantity | Cost | Quantity | Cost | Quantity | Cost | |
| 48 | VC-25A Mod | A | | 670 | | 263 | | | | 263 | | 1,072 | U |
| 49 | C-40 | A | | 243 | | 6,119 | | | | 6,119 | | 7,292 | U |
| 50 | C-130 | A | | 79,163 | | 100,277 | | 1,618 | | 101,895 | | 35,869 | U |
| 51 | C-130J Mods | A | | 42,200 | | 8,788 | | | | 8,788 | | 7,919 | U |
| 52 | C-135 | A | | 23,426 | | 29,556 | | | | 29,556 | | 63,568 | U |
| 53 | Compass Call Mods | A | | 63,958 | | 29,494 | | | | 29,494 | | 57,828 | U |
| 54 | RC-135 | A | | 165,625 | | 171,813 | | 2,700 | | 174,513 | | 152,746 | U |
| 55 | E-3 | A | | 169,375 | | 142,615 | | | | 142,615 | | 16,491 | U |
| 56 | E-4 | A | | 43,128 | | 14,304 | | | | 14,304 | | 22,341 | U |
| 57 | E-8 | A | | 48,811 | | 48,078 | | | | 48,078 | | | U |
| 58 | Airborne Warning and Control System | A | | | | | | | | | | 160,284 | U |
| 59 | Family of Beyond Line-of-Sight Terminals | A | | | | | | | | | | 32,026 | U |
| 60 | H-1 | A | | 16,642 | | 6,627 | | | | 6,627 | | 8,237 | U |
| 61 | H-60 | A | | 80,450 | | 27,654 | | | | 27,654 | | 60,110 | U |
| 62 | RQ-4 Mods | A | | 6,997 | | 9,313 | | | | 9,313 | | 21,354 | U |
| 63 | HC/MC-130 Modifications | A | | 26,997 | | 16,300 | | | | 16,300 | | 1,902 | U |
| 64 | Other Aircraft | A | | 18,807 | | 6,948 | | | | 6,948 | | 32,106 | U |
| 65 | MQ-1 Mods | A | | 27,835 | | 7,926 | | | | 7,926 | | 4,755 | U |
| 66 | MQ-9 Mods | A | | 177,471 | | 62,970 | | | | 62,970 | | 155,445 | U |
| 67 | MQ-9 UAS Payloads | A | | 84,470 | | | | | | | | | U |
| 68 | RQ-4 GSRA/CSRA Mods | A | | | | 23,668 | | | | 23,668 | | | U |

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| Line No | Item Nomenclature | Ident Code | FY 2013 (Base & OCO) | | FY 2014 Base Enacted | | FY 2014 OCO Enacted | | FY 2014 Total Enacted | | FY 2015 Base | | S e c |
|--|------------------------------------|------------|-------------------------|-----------|-------------------------|-----------|------------------------|---------|--------------------------|-----------|-----------------|-----------|-------------|
| | | | Quantity | Cost | Quantity | Cost | Quantity | Cost | Quantity | Cost | Quantity | Cost | |
| 69 | CV-22 Mods | A | | 21,625 | | 19,555 | | | | 19,555 | | 74,874 | U |
| Total Modification of Inservice Aircraft | | | | 3,635,094 | | 2,874,156 | | 109,668 | | 2,983,824 | | 2,664,211 | |
| Budget Activity 06: Aircraft Spares and Repair Parts | | | | | | | | | | | | | |
| ----- | | | | | | | | | | | | | |
| Aircraft Spares and Repair Parts | | | | | | | | | | | | | |
| 70 | Initial Spares/Repair Parts | A | | 680,703 | | 398,286 | | | | 398,286 | | 466,562 | U |
| Total Aircraft Spares and Repair Parts | | | | 680,703 | | 398,286 | | | | 398,286 | | 466,562 | |
| Budget Activity 07: Aircraft Supt Equipment & Facilities | | | | | | | | | | | | | |
| ----- | | | | | | | | | | | | | |
| Common Support Equipment | | | | | | | | | | | | | |
| 71 | Aircraft Replacement Support Equip | A | | 50,625 | | 36,140 | | 6,000 | | 42,140 | | 22,470 | U |
| Post Production Support | | | | | | | | | | | | | |
| 72 | A-10 | A | | 4,679 | | | | | | | | | U |
| 73 | B-1 | A | | 964 | | 3,683 | | | | 3,683 | | | U |
| 74 | B-2a | A | | 42,714 | | 36,733 | | | | 36,733 | | 44,793 | U |
| 75 | B-52 | A | | | | 7,000 | | | | 7,000 | | 5,249 | U |
| 76 | KC-10A (ATCA) | A | | 11,519 | | | | | | | | | U |
| 77 | C-17A | A | | 131,056 | | 49,952 | | | | 49,952 | | 20,110 | U |
| 78 | CV-22 Post Production Support | | | | | | | | | | | 16,931 | U |
| 79 | C-130 | A | | 31,788 | | | | | | | | | U |
| 80 | C-135 | A | | 12,194 | | 8,597 | | | | 8,597 | | 4,414 | U |
| 81 | F-15 | A | | 2,360 | | 2,403 | | | | 2,403 | | 1,122 | U |

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|--|---------------------------|------------|-------------------------|------------|-------------------------|------------|------------------------|---------|--------------------------|------------|-----------------|------------|-------------|
| | | | Quantity | Cost | Quantity | Cost | Quantity | Cost | Quantity | Cost | Quantity | Cost | |
| 82 | F-16 | A | | 5,898 | | 3,238 | | | | 3,238 | | 10,994 | U |
| 83 | F-22A | A | | | | 5,911 | | | | 5,911 | | 5,929 | U |
| 84 | Other Aircraft | A | | 9 | | | | | | | | 27 | U |
| Industrial Preparedness | | | | | | | | | | | | | |
| 85 | Industrial Responsiveness | A | | 18,771 | | 17,742 | | | | 17,742 | | 21,363 | U |
| War Consumables | | | | | | | | | | | | | |
| 86 | War Consumables | A | | 83,760 | | 88,519 | | | | 88,519 | | 82,906 | U |
| Other Production Charges | | | | | | | | | | | | | |
| 87 | Other Production Charges | A | | 757,498 | | 1,110,118 | | | | 1,110,118 | | 1,007,276 | U |
| 999 | Classified Programs | | | 19,971 | | 75,845 | | | | 75,845 | | 69,380 | U |
| Total Aircraft Supt Equipment & Facilities | | | | 1,173,806 | | 1,445,881 | | 6,000 | | 1,451,881 | | 1,312,964 | |
| Total Aircraft Procurement, Air Force | | | | 10,689,153 | | 10,379,180 | | 188,868 | | 10,568,048 | | 11,542,571 | |

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(Listing by Model)

Lookup Matrix by Model

| | | |
|---|---|-----------------------------------|
| Model: | B-2 | |
| Modification P-40a Aggregated Items Title: | B-2 | |
| Item Number | Item Title | Applies to Multiple Models |
| Uncategorized | | |
| 1 | LINK 16/CID/IFR | No |
| 2 | B-2 Massive Ordnance Penetrator (MOP) Integration | No |
| 3 | B-2 Defensive Management System (DMS) | No |
| 4 | LOSSM - Structures | No |
| 5 | 110052 LOSSM - Materials | No |
| 6 | LOSSM - Diagnostics | No |
| 7 | B-2 Flex Strike Phase 1 | No |
| 8 | B61-12 Integration | No |
| 9 | Common Very Low Frequency Terminal | No |
| 10 | B-2 Low Cost Engine Modifications | No |
| 11 | LOW COST MODIFICATIONS | No |
| P-3a Individual Modifications | | |
| Modification Number | Modification Title | Applies to Multiple Models |
| 110026 | EHF SATCOM and Computers | No |
| 110031 | B-2 Trainer System Upgrade | No |

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| Model: | B-1B | |
|---|-----------------------------------|-----------------------------------|
| Modification P-40a Aggregated Items Title: | B-1 | |
| Item Number | Item Title | Applies to Multiple Models |
| Uncategorized | | |
| 1 | Simulator Digital Control Loading | No |
| 2 | Gyro Stabilization System (GSS) | No |
| 3 | Inertial Navigation System (INS) | No |
| 4 | B-1 TRAINING SUPPORT | No |
| 5 | Digital Communications | No |
| 6 | RADAR IMPROVEMENT UPGRADE | No |
| 7 | B-1 Link 16 Crypto | No |
| 8 | LAPTOP CONTROLLED TARGETING POD | No |
| 9 | LOW COST MODIFICATIONS | No |
| P-3a Individual Modifications | | |
| Modification Number | Modification Title | Applies to Multiple Models |
| 4280 | FULLY INTEGRATED DATA LINKS | No |
| 4281 | Self Contained Attitude Indicator | No |
| 4284 | CITS UPGRADE | No |
| 8971 | VERTICAL SITUATION DISPLAYS | No |

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| | | |
|---|---|-----------------------------------|
| Model: | B-52H | |
| Modification P-40a Aggregated Items Title: | B-52 | |
| Item Number | Item Title | Applies to Multiple Models |
| Uncategorized | | |
| 1 | AETC Trainers (B-52) | No |
| 2 | B-52 New Start Treaty | No |
| 3 | B-52 Low Cost Mods | No |
| P-3a Individual Modifications | | |
| Modification Number | Modification Title | Applies to Multiple Models |
| 3265 | B-52 Anti-Skid Replacement | No |
| 3310 | B-52 Combat Network Communications Technology | No |
| 6884 | B-52 Internal Weapons Bay Upgrade | No |
| 9709 | B-52 Mode S/5 | No |

| | | |
|--|---|-----------------------------------|
| Model: | No text provided. | |
| Modification P-40a Aggregated Items Title: | LAIRCM | |
| Item Number | Item Title | Applies to Multiple Models |
| Uncategorized | | |
| 1 | LARGE AIRCRAFT INFRARED COUNTERMEASURES C-130 | No |
| Modification P-40a Aggregated Items Title: OTHER (BP11) | | |
| Item Number | Item Title | Applies to Multiple Models |
| Uncategorized | | |
| 2 | Full Combat Mission Training | No |
| 3 | MAF Training | No |

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| | | |
|---|--|-----------------------------------|
| Model: | C130J | |
| Modification P-40a Aggregated Items Title: | LAIRCM | |
| Item Number | Item Title | Applies to Multiple Models |
| Uncategorized | | |
| 2 | LARGE AIRCRAFT INFRARED COUNTERMEASURES C-130J | No |

| | | |
|---|---|-----------------------------------|
| Model: | C-5B | |
| Modification P-40a Aggregated Items Title: | LAIRCM | |
| Item Number | Item Title | Applies to Multiple Models |
| Uncategorized | | |
| 3 | LARGE AIRCRAFT INFRARED COUNTERMEASURES C-5 | Yes |
| Modification P-40a Aggregated Items Title: | C-5 | |
| Item Number | Item Title | Applies to Multiple Models |
| Uncategorized | | |
| 2 | Mission Computer and Weather Radar | Yes |
| 3 | LOW COST MODIFICATIONS | Yes |
| P-3a Individual Modifications | | |
| Modification Number | Modification Title | Applies to Multiple Models |
| 8965 | C-5 Fleet Blk Upgrade 01 | Yes |
| 8966 | C-5 Mission Systems Equipment- Lavatory | Yes |

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| | | |
|---|---|-----------------------------------|
| Model: | C-5C | |
| Modification P-40a Aggregated Items Title: | LAIRCM | |
| Item Number | Item Title | Applies to Multiple Models |
| Uncategorized | | |
| 3 | LARGE AIRCRAFT INFRARED COUNTERMEASURES C-5 | Yes |
| Modification P-40a Aggregated Items Title: | C-5 | |
| Item Number | Item Title | Applies to Multiple Models |
| Uncategorized | | |
| 1 | COMPARTMENT FLOOR CORROSION PREVENTION | Yes |
| 2 | Mission Computer and Weather Radar | Yes |
| P-3a Individual Modifications | | |
| Modification Number | Modification Title | Applies to Multiple Models |
| 8965 | C-5 Fleet Blk Upgrade 01 | Yes |
| 8966 | C-5 Mission Systems Equipment- Lavatory | Yes |

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| | | |
|---|---|-----------------------------------|
| Model: | C-5M | |
| Modification P-40a Aggregated Items Title: | LAIRCM | |
| Item Number | Item Title | Applies to Multiple Models |
| Uncategorized | | |
| 3 | LARGE AIRCRAFT INFRARED COUNTERMEASURES C-5 | Yes |
| Modification P-40a Aggregated Items Title: | C-5 | |
| Item Number | Item Title | Applies to Multiple Models |
| Uncategorized | | |
| 1 | COMPARTMENT FLOOR CORROSION PREVENTION | Yes |
| 2 | Mission Computer and Weather Radar | Yes |
| 3 | LOW COST MODIFICATIONS | Yes |
| P-3a Individual Modifications | | |
| Modification Number | Modification Title | Applies to Multiple Models |
| 8965 | C-5 Fleet Blk Upgrade 01 | Yes |
| 8966 | C-5 Mission Systems Equipment- Lavatory | Yes |

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|---|---|-----------------------------------|
| Model: | MC-130J | |
| Modification P-40a Aggregated Items Title: | LAIRCM | |
| Item Number | Item Title | Applies to Multiple Models |
| Uncategorized | | |
| 4 | LARGE AIRCRAFT INFRARED COUNTERMEASURES HC/MC-130 Recap | Yes |
| Modification P-40a Aggregated Items Title: | HC/MC-130 Recap | |
| Item Number | Item Title | Applies to Multiple Models |
| Uncategorized | | |
| 1 | MC-130J Increment 2 | No |
| 4 | LOW COST MODIFICATIONS | Yes |

| | | |
|---|---|-----------------------------------|
| Model: | HC-130J | |
| Modification P-40a Aggregated Items Title: | LAIRCM | |
| Item Number | Item Title | Applies to Multiple Models |
| Uncategorized | | |
| 4 | LARGE AIRCRAFT INFRARED COUNTERMEASURES HC/MC-130 Recap | Yes |
| Modification P-40a Aggregated Items Title: | HC/MC-130 Recap | |
| Item Number | Item Title | Applies to Multiple Models |
| Uncategorized | | |
| 2 | HC-130J Common Configuration | No |
| 3 | HC-130J Personnel Locator System | No |
| 4 | LOW COST MODIFICATIONS | Yes |

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| Model: | C-17 | |
| Modification P-40a Aggregated Items Title: | C-17 | |
| Item Number | Item Title | Applies to Multiple Models |
| Uncategorized | | |
| 1 | ELT Frequency Change | No |
| 2 | MFOQA | No |
| 3 | Replacement Heads Up Display (RHUD) | No |
| 4 | C-17 Sim Threat Generator | No |
| 5 | Extended Range Retrofit/OBIGGS II | No |
| 6 | LOW COST MODIFICATIONS | No |
| P-3a Individual Modifications | | |
| Modification Number | Modification Title | Applies to Multiple Models |
| 1 | LARGE AIRCRAFT INFRARED COUNTERMEASURES C-17 | No |
| 2000 | Pylon Stub FFLZ, FF, Translating Fairing | No |
| 8962 | Block 13 to 17 Retrofit | No |
| 1508 | IFF GATM Mode 5 | No |
| 2901 | NEXT GEN CNS/ATM | No |
| 6402 | OBIGGS II | No |
| 9739 | ILS Identification and Flight Control Computer Updates | No |

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|---|----------------------------------|-----------------------------------|--|
| Model: | A-10 | | |
| Modification P-40a Aggregated Items Title: | A-10 | | |
| Item Number | Item Title | Applies to Multiple Models | |
| Uncategorized | | | |
| 1 | TEMS/ADR | No | |
| 2 | MODE S/5 | No | |
| 3 | A-10 Wing Replacement Program | No | |
| 4 | A-10 Helmet Mounted Cuing System | No | |

| | | | |
|---|------------------------|-----------------------------------|--|
| Model: | A/OA-10 | | |
| Modification P-40a Aggregated Items Title: | A-10 | | |
| Item Number | Item Title | Applies to Multiple Models | |
| Uncategorized | | | |
| 5 | LOW COST MODIFICATIONS | No | |

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|---|---|-----------------------------------|
| Model: | F-15C | |
| Modification P-40a Aggregated Items Title: | F-15 | |
| Item Number | Item Title | Applies to Multiple Models |
| Uncategorized | | |
| 1 | C/D Secondary Power System | Yes |
| 2 | C/D Flight Data Recorder (FDR) | Yes |
| 6 | Link 16 Cryptographic Modernization (CMI) | Yes |
| P-3a Individual Modifications | | |
| Modification Number | Modification Title | Applies to Multiple Models |
| 6158 | F-15C/D APG-63(V)3 radar upgrade | Yes |
| 8794 | F-15C/D Beyond Line Of Sight Communications | No |

| | | |
|--|---|-----------------------------------|
| Model: | F-16D | |
| Modification P-40a Aggregated Items Title: | F-15 | |
| Item Number | Item Title | Applies to Multiple Models |
| Uncategorized | | |
| 1 | C/D Secondary Power System | Yes |
| Modification P-40a Aggregated Items Title: F-16 | | |
| Item Number | Item Title | Applies to Multiple Models |
| Uncategorized | | |
| 5 | ON BOARD OXYGEN GENERATION SYSTEM (OBOGS) | Yes |

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|---|---|-----------------------------------|
| Model: | F-15D | |
| Modification P-40a Aggregated Items Title: | F-15 | |
| Item Number | Item Title | Applies to Multiple Models |
| Uncategorized | | |
| 2 | C/D Flight Data Recorder (FDR) | Yes |
| 6 | Link 16 Cryptographic Modernization (CMI) | Yes |
| P-3a Individual Modifications | | |
| Modification Number | Modification Title | Applies to Multiple Models |
| 6158 | F-15C/D APG-63(V)3 radar upgrade | Yes |

| | | |
|---|--|-----------------------------------|
| Model: | F-15E | |
| Modification P-40a Aggregated Items Title: | F-15 | |
| Item Number | Item Title | Applies to Multiple Models |
| Uncategorized | | |
| 3 | F-15E Flight Data Recorder (FDR) | No |
| 4 | AETC MTD UPGRADES-FIELD TRAINING DETACHMENTS | No |
| 5 | F-15E DIGITAL VIDEO RECORDER | No |
| 6 | Link 16 Cryptographic Modernization (CMI) | Yes |
| P-3a Individual Modifications | | |
| Modification Number | Modification Title | Applies to Multiple Models |
| 1202 | F-15E Radar Modernization Program APG-82(V)1 | No |
| 8353 | F-15E -JOINT HELMET-MOUNTED CUEING SYSTEM | No |

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| | | |
|---|------------------------------------|-----------------------------------|
| Model: | F-15 C | |
| Modification P-40a Aggregated Items Title: | F-15 | |
| Item Number | Item Title | Applies to Multiple Models |
| Uncategorized | | |
| 7 | F-15C Passive Attack Sensor System | No |

| | | |
|---|--|-----------------------------------|
| Model: | F-16 | |
| Modification P-40a Aggregated Items Title: | F-16 | |
| Item Number | Item Title | Applies to Multiple Models |
| Uncategorized | | |
| 1 | FALCON STAR | No |
| 2 | Mode 5 Identification | No |
| 3 | DIGITAL FLIGHT CONTROL COMPUTER | No |
| 4 | ADVANCED DATA TRANSFER EQUIPMENT | No |
| 6 | LOW COST MODIFICATIONS | No |
| 7 | F-110 Engine Fire Seal Mod | No |
| P-3a Individual Modifications | | |
| Modification Number | Modification Title | Applies to Multiple Models |
| 8662 | AETC MTD UPGRADES-FIELD TRAINING DETACHMENTS | No |

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| | | |
|---|---|-----------------------------------|
| Model: | F-16C | |
| Modification P-40a Aggregated Items Title: | F-16 | |
| Item Number | Item Title | Applies to Multiple Models |
| Uncategorized | | |
| 5 | ON BOARD OXYGEN GENERATION SYSTEM (OBOGS) | Yes |

| | | |
|---|--|-----------------------------------|
| Model: | F-22 | |
| Modification P-40a Aggregated Items Title: | F-22 | |
| Item Number | Item Title | Applies to Multiple Models |
| Uncategorized | | |
| 1 | COMMON CONFIGURATION | No |
| 2 | Crypto Modernization | No |
| 3 | Tactical Mandates | No |
| P-3a Individual Modifications | | |
| Modification Number | Modification Title | Applies to Multiple Models |
| 1 | INCREMENT 3.1 | No |
| 2 | Reliability and Maintainability Maturation Program | No |
| 3 | F119 Engine Modifications | No |
| 4 | Structures Retrofit Plan | No |
| 5 | Trainers Modernization | No |
| 11100 | INCREMENT 3.2B | No |

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| | | | |
|---|---------------------------|-----------------------------------|--|
| Model: | F-35A | | |
| Modification P-40a Aggregated Items Title: | F-35 | | |
| Item Number | Item Title | Applies to Multiple Models | |
| Uncategorized | | | |
| 1 | Block 2B OT Upgrade | No | |
| 2 | Block 3F LRIP 2-5 Upgrade | No | |
| 3 | Block 3F LRIP 6-8 Upgrade | No | |
| P-3a Individual Modifications | | | |
| Modification Number | Modification Title | Applies to Multiple Models | |
| 1 | Block 3i LRIP 2-5 Upgrade | No | |
| 2 | Concurrency | No | |

| | | | |
|---|--|-----------------------------------|--|
| Model: | C-5A | | |
| Modification P-40a Aggregated Items Title: | C-5 | | |
| Item Number | Item Title | Applies to Multiple Models | |
| Uncategorized | | | |
| 1 | COMPARTMENT FLOOR CORROSION PREVENTION | Yes | |
| 3 | LOW COST MODIFICATIONS | Yes | |

| | | | |
|--------------------------------------|---|-----------------------------------|--|
| Model: | C-5B/C | | |
| P-3a Individual Modifications | | | |
| Modification Number | Modification Title | Applies to Multiple Models | |
| 6154 | C-5 Reliability Enhancement and Re-Engining Program | No | |

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| | | | |
|---|------------------------|-----------------------------------|--|
| Model: | C-21A | | |
| Modification P-40a Aggregated Items Title: | C-21 | | |
| Item Number | Item Title | Applies to Multiple Models | |
| Uncategorized | | | |
| 1 | SERVICE BULLETINS | No | |
| 2 | LOW COST MODIFICATIONS | No | |

| | | | |
|---|----------------------------|-----------------------------------|--|
| Model: | C-32A | | |
| Modification P-40a Aggregated Items Title: | C-32 | | |
| Item Number | Item Title | Applies to Multiple Models | |
| Uncategorized | | | |
| 1 | Nitrogen Generation System | No | |
| 2 | SERVICE BULLETINS | No | |
| 4 | LOW COST MODIFICATIONS | No | |
| P-3a Individual Modifications | | | |
| Modification Number | Modification Title | Applies to Multiple Models | |
| 1116 | WIDEBAND SATCOM | No | |

| | | | |
|---|-------------------------|-----------------------------------|--|
| Model: | C-32B | | |
| Modification P-40a Aggregated Items Title: | C-32 | | |
| Item Number | Item Title | Applies to Multiple Models | |
| Uncategorized | | | |
| 3 | SERVICE BULLETINS - ANG | No | |
| 5 | LOW COST MODS - ANG | No | |

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| | | |
|---|---------------------------|-----------------------------------|
| Model: | C-37A; C-37B | |
| Modification P-40a Aggregated Items Title: | C-37 | |
| Item Number | Item Title | Applies to Multiple Models |
| Uncategorized | | |
| 1 | SERVICE BULLETINS | No |
| 2 | LOW COST MODIFICATIONS | No |
| P-3a Individual Modifications | | |
| Modification Number | Modification Title | Applies to Multiple Models |
| 1117 | WIDEBAND SATCOM | No |

| | | |
|---|---|-----------------------------------|
| Model: | C-130H | |
| Modification P-40a Aggregated Items Title: | C-130 AMP | |
| Item Number | Item Title | Applies to Multiple Models |
| Uncategorized | | |
| 1 | C-130 AVIONICS MODERNIZATION PROGRAM (AMP) | No |
| Modification P-40a Aggregated Items Title: | C-130 | |
| Item Number | Item Title | Applies to Multiple Models |
| Uncategorized | | |
| 9 | C-130 CRASHWORTHY LOADMASTER SEAT | Yes |
| 11 | C-130 Aux Hyd Pump | Yes |
| P-3a Individual Modifications | | |
| Modification Number | Modification Title | Applies to Multiple Models |
| 1 | 8.33 kHz Radios -- Minimize C-130 CNS/ATM Program | No |
| 2 | CVR/DVR -- Minimize C-130 CNS/ATM Program | No |

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| | | |
|---|------------------------|-----------------------------------|
| Model: | TG-15 | |
| Modification P-40a Aggregated Items Title: | GLIDER MODS | |
| Item Number | Item Title | Applies to Multiple Models |
| Uncategorized | | |
| 1 | LOW COST MODIFICATIONS | Yes |

| | | |
|---|------------------------|-----------------------------------|
| Model: | TG-16 | |
| Modification P-40a Aggregated Items Title: | GLIDER MODS | |
| Item Number | Item Title | Applies to Multiple Models |
| Uncategorized | | |
| 1 | LOW COST MODIFICATIONS | Yes |

| | | |
|---|------------------------|-----------------------------------|
| Model: | UV-18 | |
| Modification P-40a Aggregated Items Title: | GLIDER MODS | |
| Item Number | Item Title | Applies to Multiple Models |
| Uncategorized | | |
| 1 | LOW COST MODIFICATIONS | Yes |

| | | |
|---|------------------------|-----------------------------------|
| Model: | T-41 | |
| Modification P-40a Aggregated Items Title: | GLIDER MODS | |
| Item Number | Item Title | Applies to Multiple Models |
| Uncategorized | | |
| 1 | LOW COST MODIFICATIONS | Yes |

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| | | | |
|---|------------------------|-----------------------------------|--|
| Model: | T-51 | | |
| Modification P-40a Aggregated Items Title: | GLIDER MODS | | |
| Item Number | Item Title | Applies to Multiple Models | |
| Uncategorized | | | |
| 1 | LOW COST MODIFICATIONS | Yes | |

| | | | |
|---|------------------------|-----------------------------------|--|
| Model: | T-53 | | |
| Modification P-40a Aggregated Items Title: | GLIDER MODS | | |
| Item Number | Item Title | Applies to Multiple Models | |
| Uncategorized | | | |
| 1 | LOW COST MODIFICATIONS | Yes | |

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| | | | |
|---|--|-----------------------------------|--|
| Model: | T-6A | | |
| Modification P-40a Aggregated Items Title: | T-6 | | |
| Item Number | Item Title | Applies to Multiple Models | |
| Uncategorized | | | |
| 1 | Landing Gear Shimmy | No | |
| 2 | Power Control Lever | No | |
| 3 | OBOGS Low Pressure Switch and Concentrator | No | |
| 4 | ATD Visual System Retrofit | No | |
| 5 | Avionics Obsolescence | No | |
| 6 | COCKPIT UPGRADES | No | |
| 7 | Canopy Fracture Initiation System | No | |
| 8 | LANDING GEAR HANDLE REDESIGN | No | |
| 9 | AIRFRAME STRUCTURAL IMPROVEMENTS | No | |
| 10 | Avionics Upgrades FAA Compliance | No | |
| 11 | LOW COST MODIFICATIONS | No | |

| | | | |
|---|---------------------------|-----------------------------------|--|
| Model: | T-1A | | |
| Modification P-40a Aggregated Items Title: | T-1 | | |
| Item Number | Item Title | Applies to Multiple Models | |
| Uncategorized | | | |
| 1 | LOW COST MODIFICATIONS | No | |
| P-3a Individual Modifications | | | |
| Modification Number | Modification Title | Applies to Multiple Models | |
| 8997 | Avionics Modification | No | |

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| | | |
|---|-------------------------------|-----------------------------------|
| Model: | T-38 | |
| Modification P-40a Aggregated Items Title: | T-38 | |
| Item Number | Item Title | Applies to Multiple Models |
| Uncategorized | | |
| 1 | T-38 ESCAPE SYSTEM UPGRADE | No |
| 2 | VDTS/SBIS | No |
| 3 | LOW COST SAFETY MODIFICATIONS | No |
| 4 | LOW COST MODIFICATIONS | No |
| P-3a Individual Modifications | | |
| Modification Number | Modification Title | Applies to Multiple Models |
| 6088 | Pacer Classic III | No |

| | | |
|---|-------------------|-----------------------------------|
| Model: | U-2 | |
| Modification P-40a Aggregated Items Title: | U-2 | |
| Item Number | Item Title | Applies to Multiple Models |
| Uncategorized | | |
| 1 | U-2 Mod | No |

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| Model: | KC-10 | | |
|---|-------------------------------|----------------------------|--|
| Modification P-40a Aggregated Items Title: | KC-10 | | |
| Item Number | Item Title | Applies to Multiple Models | |
| Uncategorized | | | |
| 1 | UHF SATCOM Antenna | No | |
| 2 | LOW COST SAFETY MODIFICATIONS | No | |
| 3 | SERVICE BULLETINS | No | |
| 4 | LOW COST MODIFICATIONS | No | |
| P-3a Individual Modifications | | | |
| Modification Number | Modification Title | Applies to Multiple Models | |
| 7726 | CNS/ATM | No | |

| Model: | C-12 | | |
|---|------------------------|----------------------------|--|
| Modification P-40a Aggregated Items Title: | C-12 | | |
| Item Number | Item Title | Applies to Multiple Models | |
| Uncategorized | | | |
| 1 | SERVICE BULLETINS | No | |
| 2 | LOW COST MODIFICATIONS | No | |

| Model: | MC-12W | | |
|---|------------------------|----------------------------|--|
| Modification P-40a Aggregated Items Title: | MC-12W | | |
| Item Number | Item Title | Applies to Multiple Models | |
| Uncategorized | | | |
| 1 | C-12 ISR Modifications | No | |

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| | | | |
|---|------------------------|-----------------------------------|--|
| Model: | C-20 | | |
| Modification P-40a Aggregated Items Title: | C-20 | | |
| Item Number | Item Title | Applies to Multiple Models | |
| Uncategorized | | | |
| 1 | SERVICE BULLETINS | No | |
| 2 | LOW COST MODIFICATIONS | No | |

| | | | |
|---|----------------------------|-----------------------------------|--|
| Model: | VC-25A | | |
| Modification P-40a Aggregated Items Title: | VC-25 Mods | | |
| Item Number | Item Title | Applies to Multiple Models | |
| Uncategorized | | | |
| 1 | Nitrogen Generation System | No | |
| 2 | SERVICE BULLETINS | No | |
| 3 | LOW COST MODIFICATIONS | No | |

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| | | |
|---|----------------------------|-----------------------------------|
| Model: | C-40B/C | |
| Modification P-40a Aggregated Items Title: | C-40 | |
| Item Number | Item Title | Applies to Multiple Models |
| Uncategorized | | |
| 1 | Nitrogen Generation System | No |
| 2 | SERVICE BULLETINS | No |
| 3 | LOW COST MODIFICATIONS | No |
| P-3a Individual Modifications | | |
| Modification Number | Modification Title | Applies to Multiple Models |
| 1118 | WIDEBAND SATCOM | No |

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| Model: | C-130 | | |
|---|---|----------------------------|--|
| Modification P-40a Aggregated Items Title: | C-130 | | |
| Item Number | Item Title | Applies to Multiple Models | |
| Uncategorized | | | |
| 1 | C-130 8-Bladed Propeller Upgrade | No | |
| 2 | Mode S & 8.33 MHz Upgrades | No | |
| 8 | MOD V IFF | No | |
| 10 | ENGINE OIL COOLER | No | |
| 12 | AFR C-130 Fuselage Trainer Modification | No | |
| 13 | T-56 3.5 Engine Mod | No | |
| 14 | LOW COST SAFETY MODIFICATIONS | No | |
| 15 | MISC SIMULATOR UPDATES | No | |
| 16 | SERVICE BULLETINS | No | |
| 17 | LOW COST MODIFICATIONS | No | |

| Model: | HC-130P/N | | |
|---|---|----------------------------|--|
| Modification P-40a Aggregated Items Title: | C-130 | | |
| Item Number | Item Title | Applies to Multiple Models | |
| Uncategorized | | | |
| 3 | HC-130P/N Personal Locator System | No | |
| 4 | HC-130 Integrated Electronic Warfare (EW) Suite | No | |
| 5 | AAR-47 Sensor Upgrade | No | |
| 7 | HC-130 8.33 RADIOS | Yes | |
| 9 | C-130 CRASHWORTHY LOADMASTER SEAT | Yes | |

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| | | | |
|---|-------------------------------|-----------------------------------|--|
| Model: | AC-130H | | |
| Modification P-40a Aggregated Items Title: | C-130 | | |
| Item Number | Item Title | Applies to Multiple Models | |
| Uncategorized | | | |
| 6 | AC-130 OUTER WING REPLACEMENT | Yes | |

| | | | |
|---|-------------------------------|-----------------------------------|--|
| Model: | MC-130H | | |
| Modification P-40a Aggregated Items Title: | C-130 | | |
| Item Number | Item Title | Applies to Multiple Models | |
| Uncategorized | | | |
| 6 | AC-130 OUTER WING REPLACEMENT | Yes | |
| 11 | C-130 Aux Hyd Pump | Yes | |

| | | | |
|---|-------------------------------|-----------------------------------|--|
| Model: | MC-130W | | |
| Modification P-40a Aggregated Items Title: | C-130 | | |
| Item Number | Item Title | Applies to Multiple Models | |
| Uncategorized | | | |
| 6 | AC-130 OUTER WING REPLACEMENT | Yes | |
| 11 | C-130 Aux Hyd Pump | Yes | |

| | | | |
|---|--------------------|-----------------------------------|--|
| Model: | MC-130P | | |
| Modification P-40a Aggregated Items Title: | C-130 | | |
| Item Number | Item Title | Applies to Multiple Models | |
| Uncategorized | | | |
| 7 | HC-130 8.33 RADIOS | Yes | |

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| | | |
|--------------------------------------|---|-----------------------------------|
| Model: | C-130H; MC-130H; HC-130P; HC-130N; EC-130H; AC-130U | |
| P-3a Individual Modifications | | |
| Modification Number | Modification Title | Applies to Multiple Models |
| 8578 | C-130 SYSTEMS/STRUCTURE (PHASE II MODERNIZATION) | No |

| | | |
|---|--|-----------------------------------|
| Model: | C-130J | |
| Modification P-40a Aggregated Items Title: | C-130J | |
| Item Number | Item Title | Applies to Multiple Models |
| Uncategorized | | |
| 1 | C-130J Tactics Training | No |
| 2 | Avionics System and Structural Modifications | No |
| 3 | BLOCK 8.0 | No |
| 4 | Wind Gust Brake | No |
| 5 | LOW COST MODIFICATIONS | No |
| P-3a Individual Modifications | | |
| Modification Number | Modification Title | Applies to Multiple Models |
| 8646 | C-130J Center Wing Replacement | No |

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| | | |
|---|---------------------------------|-----------------------------------|
| Model: | KC-135 | |
| Modification P-40a Aggregated Items Title: | C-135 | |
| Item Number | Item Title | Applies to Multiple Models |
| Uncategorized | | |
| 1 | VOR/ILS ANTENNAE | No |
| 2 | Visual System Replacement (VSR) | No |
| 3 | LOW COST SAFETY MODIFICATIONS | No |
| 4 | LOW COST MODIFICATIONS | No |
| P-3a Individual Modifications | | |
| Modification Number | Modification Title | Applies to Multiple Models |
| 8653 | BLOCK 45 | No |

| | | |
|--------------------------------------|---------------------------|-----------------------------------|
| Model: | EC-130H | |
| P-3a Individual Modifications | | |
| Modification Number | Modification Title | Applies to Multiple Models |
| 1001 | COMPASS CALL | Yes |

| | | |
|--------------------------------------|---------------------------|-----------------------------------|
| Model: | TC-130H | |
| P-3a Individual Modifications | | |
| Modification Number | Modification Title | Applies to Multiple Models |
| 1001 | COMPASS CALL | Yes |

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| | | |
|--------------------------------------|---------------------------|-----------------------------------|
| Model: | RC-135S | |
| P-3a Individual Modifications | | |
| Modification Number | Modification Title | Applies to Multiple Models |
| 2504 | COBRA BALL | Yes |

| | | |
|--------------------------------------|---------------------------|-----------------------------------|
| Model: | TC-135W | |
| P-3a Individual Modifications | | |
| Modification Number | Modification Title | Applies to Multiple Models |
| 2504 | COBRA BALL | Yes |
| 4263 | RIVET JOINT | Yes |

| | | |
|--------------------------------------|---------------------------|-----------------------------------|
| Model: | RC-135V | |
| P-3a Individual Modifications | | |
| Modification Number | Modification Title | Applies to Multiple Models |
| 4263 | RIVET JOINT | Yes |

| | | |
|--------------------------------------|---------------------------|-----------------------------------|
| Model: | RC-135W | |
| P-3a Individual Modifications | | |
| Modification Number | Modification Title | Applies to Multiple Models |
| 4263 | RIVET JOINT | Yes |

| | | |
|--------------------------------------|---------------------------|-----------------------------------|
| Model: | RC-135U | |
| P-3a Individual Modifications | | |
| Modification Number | Modification Title | Applies to Multiple Models |
| 4265 | COMBAT SENT | No |

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| | | |
|---|--|-----------------------------------|
| Model: | E-3 | |
| Modification P-40a Aggregated Items Title: | E-3 | |
| Item Number | Item Title | Applies to Multiple Models |
| Uncategorized | | |
| 1 | TSI | No |
| 2 | BLOCK 40/45 UPGRADE | No |
| 3 | AETC MTD UPGRADES-FIELD TRAINING DETACHMENTS | No |
| 4 | RM&A Mod | No |
| 5 | VERTICAL STABILIZER AND RUDDER | No |
| 6 | LOW COST MOD - AIRFRAME | No |
| 7 | LOW COST MOD - AVIONICS & MISSION SYSTEMS | No |
| Modification P-40a Aggregated Items Title: | OTHER (BP11) | |
| Item Number | Item Title | Applies to Multiple Models |
| Uncategorized | | |
| 1 | C2ISR TDL | Yes |
| P-3a Individual Modifications | | |
| Modification Number | Modification Title | Applies to Multiple Models |
| 7225 | NEXT GENERATION IDENTIFICATION FRIEND OR FOE (IFF) | No |
| 1 | BLOCK 40/45 BLOCK UPGRADE | No |

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|---|---|-----------------------------------|
| Model: | E-4B | |
| Modification P-40a Aggregated Items Title: | E-4 | |
| Item Number | Item Title | Applies to Multiple Models |
| Uncategorized | | |
| 1 | Crypto Modernization | No |
| 2 | NPES (NC2AIS) E-4B | No |
| 3 | Message Processing System (MPS) | No |
| 4 | SHF MUX UPGRADE | No |
| 5 | Global Summary Message | No |
| 6 | Secure Voice Crypto | No |
| 7 | SHF Modernization | No |
| 8 | AIU Modernization | No |
| 9 | CNS/ATM(ADS-B OUT) | No |
| P-3a Individual Modifications | | |
| Modification Number | Modification Title | Applies to Multiple Models |
| 1 | AEHF Compatible Terminal/PNVC | No |
| 4409 | Low Frequency Transmit System (LFTS) | No |
| 2 | E-4B COMMUNICATION NAVIGATION SURVEILLANCE/AIR TRAFFIC MANAGEMENT I | No |
| 3 | SERVICE BULLETINS | No |

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| | | |
|---|------------------------|-----------------------------------|
| Model: | E-4 | |
| Modification P-40a Aggregated Items Title: | E-4 | |
| Item Number | Item Title | Applies to Multiple Models |
| Uncategorized | | |
| 10 | LOW COST MODIFICATIONS | No |

| | | |
|---|--|-----------------------------------|
| Model: | E-8C | |
| Modification P-40a Aggregated Items Title: | E-8C | |
| Item Number | Item Title | Applies to Multiple Models |
| Uncategorized | | |
| 1 | Prime Mission Equipment - Diminishing Manufacturing Sources (PME- DMS) | No |
| 2 | KILL CHAIN ENHANCEMENT MODIFICATIONS | No |
| 3 | JTRS INTEGRATION | No |
| Modification P-40a Aggregated Items Title: | OTHER (BP11) | |
| Item Number | Item Title | Applies to Multiple Models |
| Uncategorized | | |
| 1 | C2ISR TDL | Yes |

| | | |
|--------------------------------------|--|-----------------------------------|
| Model: | FAB-T | |
| P-3a Individual Modifications | | |
| Modification Number | Modification Title | Applies to Multiple Models |
| 1 | Family of Beyond Line-of-Sight Terminals | No |

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| | | |
|---|------------------------|-----------------------------------|
| Model: | UH-1H | |
| Modification P-40a Aggregated Items Title: | H-1 | |
| Item Number | Item Title | Applies to Multiple Models |
| Uncategorized | | |
| 1 | HUEY II MODERNIZATION | Yes |
| 6 | LOW COST MODIFICATIONS | Yes |

| | | |
|---|------------------------|-----------------------------------|
| Model: | TH-1H | |
| Modification P-40a Aggregated Items Title: | H-1 | |
| Item Number | Item Title | Applies to Multiple Models |
| Uncategorized | | |
| 1 | HUEY II MODERNIZATION | Yes |
| 6 | LOW COST MODIFICATIONS | Yes |

| | | |
|---|--|-----------------------------------|
| Model: | UH-1N | |
| Modification P-40a Aggregated Items Title: | H-1 | |
| Item Number | Item Title | Applies to Multiple Models |
| Uncategorized | | |
| 2 | TRAFFIC ALERT & COLLISION AVOIDANCE SYSTEM | No |
| 3 | UH-1N Safety Modifications | No |
| 4 | AETC FLIR | No |
| 5 | Simulator Concurrency | No |
| 6 | LOW COST MODIFICATIONS | Yes |

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(Listing by Model)

| | | |
|---|--|-----------------------------------|
| Model: | HH-60G | |
| Modification P-40a Aggregated Items Title: | HH-60 | |
| Item Number | Item Title | Applies to Multiple Models |
| Uncategorized | | |
| 1 | ALTITUDE HOLD AND HOVER SYSTEM (AHHS) | No |
| 2 | SERVICE LIFE EXTENSION PROGRAM | No |
| 3 | LIGHTWEIGHT AIRBORNE RECOVERY SYSTEM V12 UPGRADE | No |
| 4 | Control Display Unit (CDU) | No |
| 5 | Navigation System Upgrade (NSU) | No |
| 6 | Vibration Monitoring System (VMS) | No |
| 7 | Situation Awareness Data-Link | No |
| 8 | Multi-function Color Display | No |
| 9 | MODE 5 | No |
| 10 | Gun Replacement | No |
| 11 | CSAR Avionics/Electrical Upgrade | No |
| 12 | DEFENSIVE SYSTEM UPGRADE | No |
| 13 | Ballistic Protection Enhancement | No |
| 14 | LOW COST MODIFICATIONS | No |

| | | |
|--------------------------------------|---------------------------------|-----------------------------------|
| Model: | HH-60 | |
| P-3a Individual Modifications | | |
| Modification Number | Modification Title | Applies to Multiple Models |
| 8854 | HH-60 OLR Mission Modifications | No |

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| | | |
|---|---------------------------|-----------------------------------|
| Model: | RQ-4 | |
| Modification P-40a Aggregated Items Title: | RQ-4 | |
| Item Number | Item Title | Applies to Multiple Models |
| Uncategorized | | |
| 1 | GH Ground Station Mods | No |
| Modification P-40a Aggregated Items Title: | RQ-4 GSRA/CSRA Mods | |
| Item Number | Item Title | Applies to Multiple Models |
| Uncategorized | | |
| 1 | RQ-4 GSRA/CSRA Mods | No |
| P-3a Individual Modifications | | |
| Modification Number | Modification Title | Applies to Multiple Models |
| 470001 | GH Aircraft Mods | No |

| | | |
|---|-------------------|-----------------------------------|
| Model: | RC-135 | |
| Modification P-40a Aggregated Items Title: | OTHER (BP11) | |
| Item Number | Item Title | Applies to Multiple Models |
| Uncategorized | | |
| 1 | C2ISR TDL | Yes |

| | | |
|---|--------------------------|-----------------------------------|
| Model: | ATP | |
| Modification P-40a Aggregated Items Title: | OTHER (BP11) | |
| Item Number | Item Title | Applies to Multiple Models |
| Uncategorized | | |
| 4 | ATP upgrade Legacy to SE | No |

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| | | |
|---|-----------------------------|-----------------------------------|
| Model: | Multiple | |
| Modification P-40a Aggregated Items Title: | OTHER (BP11) | |
| Item Number | Item Title | Applies to Multiple Models |
| Uncategorized | | |
| 5 | JOINT TACTICAL RADIO SYSTEM | No |

| | | |
|---|--------------------------------------|-----------------------------------|
| Model: | E-9 | |
| Modification P-40a Aggregated Items Title: | OTHER (BP11) | |
| Item Number | Item Title | Applies to Multiple Models |
| Uncategorized | | |
| 6 | MISCELLANEOUS LOW COSTS MODS (OTHER) | No |

| | | |
|--------------------------------------|---------------------------|-----------------------------------|
| Model: | MULTI | |
| P-3a Individual Modifications | | |
| Modification Number | Modification Title | Applies to Multiple Models |
| 4501 | EHF SATCOM | No |

| | | |
|---|----------------------------|-----------------------------------|
| Model: | MQ-1 | |
| Modification P-40a Aggregated Items Title: | MQ-1 | |
| Item Number | Item Title | Applies to Multiple Models |
| Uncategorized | | |
| 1 | VORTEX | No |
| 2 | IP Migration | No |
| 3 | LOW COST MODIFICATIONS | No |
| 4 | PREDATOR A/B MODIFICATIONS | No |

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|---|----------------------------|-----------------------------------|
| Model: | MQ-9 | |
| Modification P-40a Aggregated Items Title: | MQ-9 | |
| Item Number | Item Title | Applies to Multiple Models |
| Uncategorized | | |
| 1 | GCS Blk 50 | No |
| 2 | GCS Blk 30 | No |
| 3 | IP Migration | No |
| 4 | Communication Enhancements | No |
| 5 | Technology Insertion | No |
| 6 | GCS Tech Refresh | No |
| 7 | MQ-9 Low Cost Mods | No |
| Modification P-40a Aggregated Items Title: | MQ-9 UAS Payloads | |
| Item Number | Item Title | Applies to Multiple Models |
| Uncategorized | | |
| 1 | Gorgon Stare | No |
| P-3a Individual Modifications | | |
| Modification Number | Modification Title | Applies to Multiple Models |
| 9151 | Block 5 | No |
| 9152 | MQ-9 Field | No |
| 9153 | MTS-B HD | No |
| 9154 | Lynx SAR | No |
| 9159 | R&M enhancements | No |
| 9164 | Extended Range MQ-9 | No |

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| | | |
|---|---------------------------|-----------------------------------|
| Model: | CV-22 | |
| Modification P-40a Aggregated Items Title: | CV-22 | |
| Item Number | Item Title | Applies to Multiple Models |
| Uncategorized | | |
| 1 | BLOCK B UPGRADE | No |
| 2 | LOW COST MODIFICATIONS | No |
| P-3a Individual Modifications | | |
| Modification Number | Modification Title | Applies to Multiple Models |
| 8790 | Block 20 Upgrade | No |

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| Modification P-40a Item Title P-3a Modification Title | PYS | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|--|---------|---------|---------|-----------------|----------------|------------------|---------|---------|---------|---------|
| Exhibit P-40a | | | | | | | | | | |
| LINK 16/CID/IFR | 92.446 | - | - | - | - | - | 0.105 | 0.400 | 0.497 | 0.199 |
| B-2 Massive Ordnance Penetrator (MOP) Integration | 41.436 | 9.709 | - | - | - | - | - | - | - | - |
| B-2 Defensive Management System (DMS) | - | - | - | - | - | - | - | - | - | 76.476 |
| LOSSM - Structures | 0.209 | 2.429 | 3.200 | 4.320 | - | 4.320 | 3.295 | 4.510 | 3.798 | 4.931 |
| 110052 LOSSM - Materials | 1.571 | 4.718 | 0.811 | 1.452 | - | 1.452 | 2.715 | 2.737 | 2.169 | 1.724 |
| LOSSM - Diagnostics | - | - | 1.720 | 2.340 | - | 2.340 | 2.561 | 1.482 | 2.927 | 2.406 |
| B-2 Flex Strike Phase 1 | - | - | - | - | - | - | - | 14.354 | 6.864 | - |
| B61-12 Integration | - | - | - | - | - | - | - | - | 8.998 | 9.166 |
| Common Very Low Frequency Terminal | - | - | - | - | - | - | 19.190 | 18.758 | 9.407 | 9.582 |
| B-2 Low Cost Engine Modifications | 6.255 | 0.132 | 1.313 | 0.621 | - | 0.621 | 0.632 | 0.717 | 0.730 | 0.743 |
| LOW COST MODIFICATIONS | 13.632 | 0.950 | 0.500 | 0.528 | - | 0.528 | 0.546 | 0.612 | 0.623 | 0.635 |
| Simulator Digital Control Loading | 1.024 | 1.544 | - | - | - | - | - | - | - | - |
| Gyro Stabilization System (GSS) | 55.696 | 4.520 | 3.957 | 0.701 | - | 0.701 | - | - | - | - |
| Inertial Navigation System (INS) | 44.165 | 10.719 | 7.031 | 4.103 | - | 4.103 | - | - | - | - |
| B-1 TRAINING SUPPORT | 1.080 | 0.269 | 0.333 | 0.427 | - | 0.427 | - | - | - | - |
| Digital Communications | 36.824 | - | 0.257 | 0.100 | - | 0.100 | - | - | - | - |
| RADAR IMPROVEMENT UPGRADE | 154.321 | 10.498 | 3.642 | 1.265 | - | 1.265 | - | - | - | - |
| B-1 Link 16 Crypto | - | - | - | 0.223 | - | 0.223 | - | - | - | - |
| LAPTOP CONTROLLED TARGETING POD | 68.694 | - | 0.100 | 0.100 | - | 0.100 | - | - | - | - |
| LOW COST MODIFICATIONS | 2.649 | 1.249 | 0.100 | 0.100 | - | 0.100 | - | - | - | - |

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|--|---------|---------|---------|-----------------|----------------|------------------|---------|---------|---------|---------|
| AETC Trainers (B-52) | - | 1.471 | 1.836 | 2.353 | - | 2.353 | - | - | - | - |
| B-52 New Start Treaty | - | - | 0.500 | 0.198 | - | 0.198 | - | - | - | - |
| B-52 Low Cost Mods | - | 0.435 | 0.019 | 0.590 | - | 0.590 | - | - | - | - |
| LARGE AIRCRAFT INFRARED COUNTERMEASURES C-130 | - | 1.200 | - | - | - | - | - | - | - | - |
| LARGE AIRCRAFT INFRARED COUNTERMEASURES C-130J | - | 27.534 | 71.497 | 4.535 | - | 4.535 | - | - | - | - |
| LARGE AIRCRAFT INFRARED COUNTERMEASURES C-5 | - | 7.646 | 3.039 | 0.099 | - | 0.099 | - | - | - | - |
| LARGE AIRCRAFT INFRARED COUNTERMEASURES HC/MC-130 Recap | - | 46.100 | 31.000 | - | - | - | - | - | - | - |
| TEMS/ADR | 7.376 | 4.500 | - | - | - | - | - | - | - | - |
| MODE S/5 | 2.785 | 2.926 | 3.018 | - | - | - | - | - | - | - |
| A-10 Wing Replacement Program | 591.548 | 222.855 | 44.580 | - | - | - | - | - | - | - |
| A-10 Helmet Mounted Cuing System | 28.986 | 2.000 | - | - | - | - | - | - | - | - |
| LOW COST MODIFICATIONS | 1.159 | 1.000 | - | - | - | - | - | - | - | - |
| C/D Secondary Power System | 0.537 | 2.846 | 2.857 | - | - | - | - | - | - | - |
| C/D Flight Data Recorder (FDR) | 22.167 | 1.678 | 2.056 | - | - | - | - | - | - | - |
| F-15E Flight Data Recorder (FDR) | 21.105 | 1.811 | 1.694 | - | - | - | - | - | - | - |
| AETC MTD UPGRADES-FIELD TRAINING DETACHMENTS | 3.670 | 0.662 | 0.835 | 1.071 | - | 1.071 | - | - | - | - |
| F-15E DIGITAL VIDEO RECORDER | 16.477 | 1.546 | - | - | - | - | - | - | - | - |
| Link 16 Cryptographic Modernization (CMI) | - | - | - | 0.002 | - | 0.002 | - | - | - | - |
| F-15C Passive Attack Sensor System | 10.465 | 8.000 | 5.500 | 3.004 | - | 3.004 | - | - | - | - |
| FALCON STAR | 415.058 | 2.694 | 0.543 | 1.294 | - | 1.294 | - | - | - | - |

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|--|---------|---------|---------|-----------------|----------------|------------------|---------|---------|---------|---------|
| Mode 5 Identification | 34.400 | 0.250 | - | - | - | - | - | - | - | - |
| DIGITAL FLIGHT CONTROL COMPUTER | 7.811 | 0.973 | 2.254 | 1.000 | - | 1.000 | - | - | - | - |
| ADVANCED DATA TRANSFER EQUIPMENT | 37.900 | - | - | 2.000 | - | 2.000 | - | - | - | - |
| ON BOARD OXYGEN GENERATION SYSTEM (OBOGS) | 46.881 | 1.482 | - | - | - | - | - | - | - | - |
| LOW COST MODIFICATIONS | 17.750 | 0.116 | 0.416 | 1.939 | - | 1.939 | - | - | - | - |
| F-110 Engine Fire Seal Mod | 1.145 | 0.751 | 0.671 | 0.050 | - | 0.050 | - | - | - | - |
| COMMON CONFIGURATION | 650.570 | 11.554 | 2.612 | 2.330 | - | 2.330 | 4.540 | 2.323 | - | - |
| Crypto Modernization | 3.222 | 1.882 | - | - | - | - | 0.592 | 7.659 | 7.667 | 3.112 |
| Tactical Mandates | - | - | - | - | - | - | - | - | - | 69.719 |
| Block 2B OT Upgrade | 4.610 | 6.483 | - | 0.861 | - | 0.861 | - | - | - | - |
| Block 3F LRIP 2-5 Upgrade | - | - | - | - | - | - | 6.990 | 0.306 | 2.040 | 0.255 |
| Block 3F LRIP 6-8 Upgrade | - | - | - | - | - | - | - | - | 2.856 | - |
| COMPARTMENT FLOOR CORROSION PREVENTION | - | 0.156 | - | - | - | - | - | - | - | - |
| Mission Computer and Weather Radar | - | - | - | 0.495 | - | 0.495 | - | - | - | - |
| LOW COST MODIFICATIONS | 1.705 | 0.448 | 0.656 | 0.471 | - | 0.471 | - | - | - | - |
| ELT Frequency Change | 2.366 | 0.696 | - | - | - | - | - | - | - | - |
| MFOQA | 3.095 | 4.859 | 1.072 | 4.220 | - | 4.220 | - | - | - | - |
| Replacement Heads Up Display (RHUD) | - | - | - | - | - | - | 19.220 | 37.225 | 39.226 | 10.870 |
| C-17 Sim Threat Generator | 0.095 | 11.697 | - | - | - | - | - | - | - | - |
| Extended Range Retrofit/OBIGGS II | 171.460 | 6.672 | 20.854 | - | - | - | - | - | - | - |
| LOW COST MODIFICATIONS | 3.097 | 0.097 | 2.000 | 0.100 | - | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 |
| SERVICE BULLETINS | 1.218 | 0.108 | 0.100 | 0.154 | - | 0.154 | - | - | - | - |
| LOW COST MODIFICATIONS | 1.827 | 0.091 | 0.003 | 0.110 | - | 0.110 | - | - | - | - |

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|--|---------|---------|---------|-----------------|----------------|------------------|---------|---------|---------|---------|
| Nitrogen Generation System | - | - | 6.425 | 2.971 | - | 2.971 | - | - | - | - |
| SERVICE BULLETINS | 0.272 | 0.005 | 0.005 | 0.005 | - | 0.005 | - | - | - | - |
| SERVICE BULLETINS - ANG | 4.161 | 0.892 | 0.932 | 0.928 | - | 0.928 | - | - | - | - |
| LOW COST MODIFICATIONS | 0.062 | 0.005 | 0.005 | 0.005 | - | 0.005 | - | - | - | - |
| LOW COST MODS - ANG | 3.941 | 0.807 | 0.838 | 0.858 | - | 0.858 | - | - | - | - |
| SERVICE BULLETINS | 0.289 | 0.285 | 0.100 | 0.100 | - | 0.100 | - | - | - | - |
| LOW COST MODIFICATIONS | 0.655 | 0.160 | 0.352 | 0.357 | - | 0.357 | - | - | - | - |
| C-130 AVIONICS MODERNIZATION PROGRAM (AMP) | 90.935 | 9.987 | - | - | - | - | - | - | - | - |
| LOW COST MODIFICATIONS | 2.820 | 0.116 | 0.128 | 0.132 | - | 0.132 | - | - | - | - |
| Landing Gear Shimmy | 0.297 | 0.592 | 0.291 | - | - | - | - | - | - | - |
| Power Control Lever | 2.677 | 2.566 | - | - | - | - | - | - | - | - |
| OBOGS Low Pressure Switch and Concentrator | 1.886 | 0.203 | - | 1.250 | - | 1.250 | 0.766 | 0.799 | 0.806 | 2.858 |
| ATD Visual System Retrofit | 14.168 | 7.186 | 1.436 | 2.200 | - | 2.200 | - | - | - | - |
| Avionics Obsolescence | 14.128 | 1.317 | 2.789 | 4.737 | - | 4.737 | 8.641 | 8.475 | 8.689 | 6.737 |
| COCKPIT UPGRADES | 6.030 | - | - | 2.134 | - | 2.134 | 0.496 | 0.122 | - | - |
| Canopy Fracture Initiation System | - | - | 0.100 | 1.000 | - | 1.000 | 0.500 | - | - | - |
| LANDING GEAR HANDLE REDESIGN | 1.401 | 1.364 | 0.037 | - | - | - | - | - | - | - |
| AIRFRAME STRUCTURAL IMPROVEMENTS | 15.875 | 0.190 | 0.340 | 1.750 | - | 1.750 | 2.270 | 2.613 | 2.686 | 2.852 |
| Avionics Upgrades FAA Compliance | - | - | - | - | - | - | 4.120 | 13.106 | 12.367 | 12.553 |
| LOW COST MODIFICATIONS | 6.813 | 0.215 | 0.399 | 1.415 | - | 1.415 | 1.415 | 1.415 | 1.515 | 1.515 |
| LOW COST MODIFICATIONS | 0.506 | 0.272 | 0.277 | 0.288 | - | 0.288 | - | - | - | - |
| T-38 ESCAPE SYSTEM UPGRADE | 157.381 | 1.231 | - | - | - | - | - | - | - | - |
| VDTS/SBIS | 2.100 | 2.400 | 1.500 | 1.445 | - | 1.445 | - | - | - | - |

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|--|--------|---------|---------|-----------------|----------------|------------------|---------|---------|---------|---------|
| LOW COST SAFETY MODIFICATIONS | 0.014 | 0.005 | 0.005 | 0.005 | - | 0.005 | - | - | - | - |
| LOW COST MODIFICATIONS | 0.015 | 0.005 | 0.005 | 0.006 | - | 0.006 | - | - | - | - |
| U-2 Mod | - | 46.800 | - | - | - | - | - | - | - | - |
| UHF SATCOM Antenna | 4.181 | 1.002 | 1.056 | 0.189 | - | 0.189 | - | - | - | - |
| LOW COST SAFETY MODIFICATIONS | 0.006 | - | 0.010 | 0.001 | - | 0.001 | - | - | - | - |
| SERVICE BULLETINS | 15.633 | 5.741 | 5.065 | 4.763 | - | 4.763 | - | - | - | - |
| LOW COST MODIFICATIONS | 3.939 | 0.650 | 0.187 | 0.700 | - | 0.700 | - | - | - | - |
| SERVICE BULLETINS | 3.860 | 0.373 | 0.376 | 1.460 | - | 1.460 | - | - | - | - |
| LOW COST MODIFICATIONS | 0.970 | 0.500 | 0.500 | 0.500 | - | 0.500 | - | - | - | - |
| C-12 ISR Modifications | - | 17.032 | - | - | - | - | - | - | - | - |
| SERVICE BULLETINS | 0.674 | 0.102 | 0.108 | - | - | - | - | - | - | - |
| LOW COST MODIFICATIONS | 1.848 | 0.141 | 0.084 | - | - | - | - | - | - | - |
| Nitrogen Generation System | - | - | - | 0.500 | - | 0.500 | - | - | - | - |
| SERVICE BULLETINS | 0.287 | 0.570 | 0.163 | 0.472 | - | 0.472 | - | - | - | - |
| LOW COST MODIFICATIONS | 1.456 | 0.100 | 0.100 | 0.100 | - | 0.100 | - | - | - | - |
| Nitrogen Generation System | - | - | 5.873 | 3.077 | - | 3.077 | - | - | - | - |
| SERVICE BULLETINS | 0.540 | 0.128 | 0.131 | 0.100 | - | 0.100 | - | - | - | - |
| LOW COST MODIFICATIONS | 0.510 | 0.115 | 0.115 | 0.115 | - | 0.115 | - | - | - | - |
| C-130 8-Bladed Propeller Upgrade | - | - | 26.000 | - | - | - | - | - | - | - |
| Mode S & 8.33 MHz Upgrades | 42.524 | 36.992 | 1.335 | - | - | - | - | - | - | - |
| HC-130P/N Personal Locator System | - | 5.400 | - | - | - | - | - | - | - | - |
| HC-130 Integrated Electronic Warfare (EW) Suite | - | 6.000 | - | - | - | - | - | - | - | - |
| AAR-47 Sensor Upgrade | - | - | 1.618 | - | - | - | - | - | - | - |

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|--|---------|---------|---------|-----------------|----------------|------------------|---------|---------|---------|---------|
| AC-130 OUTER WING REPLACEMENT | 4.845 | 0.090 | - | - | - | - | - | - | - | - |
| HC-130 8.33 RADIOS | 19.994 | 1.878 | - | - | - | - | - | - | - | - |
| MOD V IFF | 26.566 | 11.740 | 6.803 | 1.630 | - | 1.630 | - | - | - | - |
| C-130 CRASHWORTHY LOADMASTER SEAT | 13.961 | - | 1.476 | 1.089 | - | 1.089 | - | - | - | - |
| ENGINE OIL COOLER | 31.000 | - | 0.125 | - | - | - | - | - | - | - |
| C-130 Aux Hyd Pump | 11.349 | - | 1.981 | 1.237 | - | 1.237 | - | - | - | - |
| AFR C-130 Fuselage Trainer Modification | - | - | 7.000 | - | - | - | - | - | - | - |
| T-56 3.5 Engine Mod | - | - | 15.700 | - | - | - | - | - | - | - |
| LOW COST SAFETY MODIFICATIONS | 2.832 | 0.001 | 0.001 | 1.674 | - | 1.674 | - | - | - | - |
| MISC SIMULATOR UPDATES | 0.703 | 0.001 | 0.001 | 0.001 | - | 0.001 | - | - | - | - |
| SERVICE BULLETINS | 0.416 | 0.001 | 0.001 | 0.001 | - | 0.001 | - | - | - | - |
| LOW COST MODIFICATIONS | 8.983 | 1.248 | 0.821 | 1.999 | - | 1.999 | - | - | - | - |
| C-130J Tactics Training | 0.337 | 8.133 | 7.545 | - | - | - | - | - | - | - |
| Avionics System and Structural Modifications | 20.025 | 3.177 | 0.300 | 0.433 | - | 0.433 | 0.133 | - | - | - |
| BLOCK 8.0 | - | - | - | - | - | - | 28.723 | 63.999 | 65.209 | 66.440 |
| Wind Gust Brake | 38.911 | 0.060 | 0.201 | 0.148 | - | 0.148 | 0.114 | - | - | - |
| LOW COST MODIFICATIONS | 9.004 | - | - | 0.001 | - | 0.001 | 0.501 | 0.500 | 0.501 | 0.500 |
| VOR/ILS ANTENNAE | 3.686 | 2.452 | 0.051 | 1.727 | - | 1.727 | - | - | - | - |
| Visual System Replacement (VSR) | 29.431 | 0.336 | - | - | - | - | - | - | - | - |
| LOW COST SAFETY MODIFICATIONS | 0.025 | 0.025 | 0.025 | 0.025 | - | 0.025 | - | - | - | - |
| LOW COST MODIFICATIONS | 4.272 | 0.692 | 1.995 | 0.471 | - | 0.471 | - | - | - | - |
| TSI | 7.287 | 9.920 | 3.345 | 3.335 | - | 3.335 | - | - | - | - |
| BLOCK 40/45 UPGRADE | 406.363 | 137.444 | 114.439 | 3.045 | - | 3.045 | - | - | - | - |

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|---|---------|---------|---------|-----------------|----------------|------------------|---------|---------|---------|---------|
| AETC MTD UPGRADES-FIELD TRAINING DETACHMENTS | 4.916 | - | 0.100 | 0.608 | - | 0.608 | - | - | - | - |
| RM&A Mod | 10.523 | 4.693 | 2.297 | 2.000 | - | 2.000 | - | - | - | - |
| VERTICAL STABILIZER AND RUDDER | - | 0.077 | 0.389 | 0.374 | - | 0.374 | - | - | - | - |
| LOW COST MOD - AIRFRAME | - | 0.100 | 0.164 | 0.138 | - | 0.138 | - | - | - | - |
| LOW COST MOD - AVIONICS & MISSION SYSTEMS | - | 0.100 | 0.164 | 0.138 | - | 0.138 | - | - | - | - |
| Crypto Modernization | - | 4.166 | 3.671 | - | - | - | - | - | - | - |
| NPES (NC2AIS) E-4B | 1.980 | 0.675 | 0.686 | 0.692 | - | 0.692 | - | - | - | - |
| Message Processing System (MPS) | 17.936 | 2.600 | - | - | - | - | - | - | - | - |
| SHF MUX UPGRADE | 0.500 | 1.854 | - | - | - | - | - | - | - | - |
| Global Summary Message | 7.975 | 4.806 | - | - | - | - | - | - | - | - |
| Secure Voice Crypto | 6.711 | 2.000 | - | - | - | - | - | - | - | - |
| SHF Modernization | 5.934 | 6.058 | 2.000 | - | - | - | - | - | - | - |
| AIU Modernization | 31.991 | 13.500 | - | - | - | - | - | - | - | - |
| CNS/ATM(ADS-B OUT) | - | - | - | 1.200 | - | 1.200 | - | - | - | - |
| LOW COST MODIFICATIONS | 5.856 | 1.990 | 1.990 | 1.990 | - | 1.990 | - | - | - | - |
| Prime Mission Equipment - Diminishing Manufacturing Sources (PME- DMS) | 0.361 | 46.555 | 48.067 | - | - | - | - | - | - | - |
| KILL CHAIN ENHANCEMENT MODIFICATIONS | 111.177 | 0.929 | 0.011 | - | - | - | - | - | - | - |
| JTRS INTEGRATION | 16.879 | 1.327 | - | - | - | - | - | - | - | - |
| HUEY II MODERNIZATION | 157.363 | 0.959 | 0.977 | 0.997 | - | 0.997 | - | - | - | - |
| TRAFFIC ALERT & COLLISION AVOIDANCE SYSTEM | 3.000 | 3.000 | 4.750 | 4.750 | - | 4.750 | - | - | - | - |
| UH-1N Safety Modifications | - | 11.200 | - | - | - | - | - | - | - | - |
| AETC FLIR | - | - | - | 0.500 | - | 0.500 | - | - | - | - |

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 Exhibit P-1M, Procurement Programs - Modification Summary
 (Funding for Modifications)

| Modification P-40a Item Title P-3a Modification Title | PYS | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|--|--------|---------|---------|-----------------|----------------|------------------|---------|---------|---------|---------|
| Simulator Concurrency | - | - | - | 0.075 | - | 0.075 | - | - | - | - |
| LOW COST MODIFICATIONS | 1.418 | 1.483 | 0.900 | 1.915 | - | 1.915 | - | - | - | - |
| ALTITUDE HOLD AND HOVER SYSTEM (AHHS) | 28.401 | 4.631 | 4.281 | 1.118 | - | 1.118 | - | - | - | - |
| SERVICE LIFE EXTENSION PROGRAM | 38.307 | 0.020 | 0.020 | - | - | - | - | - | - | - |
| LIGHTWEIGHT AIRBORNE RECOVERY SYSTEM V12 UPGRADE | 17.576 | 3.004 | 2.077 | 1.001 | - | 1.001 | - | - | - | - |
| Control Display Unit (CDU) | 12.500 | 0.534 | 0.010 | 0.010 | - | 0.010 | - | - | - | - |
| Navigation System Upgrade (NSU) | 47.555 | 6.412 | 2.217 | 0.727 | - | 0.727 | - | - | - | - |
| Vibration Monitoring System (VMS) | 29.423 | 2.420 | 4.506 | 4.779 | - | 4.779 | - | - | - | - |
| Situation Awareness Data-Link | 21.937 | 0.020 | - | - | - | - | - | - | - | - |
| Multi-function Color Display | 27.671 | 1.204 | 0.984 | 0.944 | - | 0.944 | - | - | - | - |
| MODE 5 | 10.645 | 1.030 | 0.550 | 0.670 | - | 0.670 | - | - | - | - |
| Gun Replacement | 8.084 | 2.320 | 7.435 | 2.381 | - | 2.381 | - | - | - | - |
| CSAR Avionics/Electrical Upgrade | 0.300 | 3.184 | 0.704 | 3.759 | - | 3.759 | - | - | - | - |
| DEFENSIVE SYSTEM UPGRADE | 14.775 | 0.204 | 0.020 | 0.020 | - | 0.020 | - | - | - | - |
| Ballistic Protection Enhancement | 1.847 | 0.020 | 0.020 | - | - | - | - | - | - | - |
| LOW COST MODIFICATIONS | 1.716 | 1.224 | 0.970 | 0.419 | - | 0.419 | - | - | - | - |
| GH Ground Station Mods | 15.023 | - | 0.500 | - | - | - | - | - | - | - |
| MC-130J Increment 2 | - | - | 8.000 | - | - | - | 10.906 | 1.984 | - | - |
| HC-130J Common Configuration | - | 20.374 | 8.300 | - | - | - | 10.508 | 2.039 | 2.109 | 2.180 |
| HC-130J Personnel Locator System | - | 4.700 | - | - | - | - | - | - | - | - |
| LOW COST MODIFICATIONS | 4.322 | 1.923 | - | 1.902 | - | 1.902 | 1.960 | 1.987 | 1.993 | 1.998 |
| C2ISR TDL | - | - | - | - | - | - | 2.266 | 1.339 | 1.245 | 1.252 |

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 (Funding for Modifications)

| Modification P-40a Item Title P-3a Modification Title | PYS | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|--|---------|---------|---------|-----------------|----------------|------------------|---------|---------|---------|---------|
| Full Combat Mission Training | 55.069 | 1.563 | 0.918 | 2.751 | - | 2.751 | 2.481 | 1.904 | 1.941 | 1.977 |
| MAF Training | 21.546 | - | - | 1.837 | - | 1.837 | - | - | - | - |
| ATP upgrade Legacy to SE | 15.800 | 0.909 | 0.682 | 1.092 | - | 1.092 | 1.042 | 0.923 | 0.940 | 0.958 |
| JOINT TACTICAL RADIO SYSTEM | 71.722 | 11.624 | 3.290 | 4.502 | - | 4.502 | - | - | - | - |
| MISCELLANEOUS LOW COSTS MODS (OTHER) | 1.844 | 0.137 | 0.138 | 0.140 | - | 0.140 | 0.143 | 0.146 | 0.149 | 0.152 |
| VORTEX | 28.210 | 7.925 | 0.302 | - | - | - | - | - | - | - |
| IP Migration | 93.216 | - | 3.352 | - | - | - | - | - | - | - |
| LOW COST MODIFICATIONS | 1.167 | - | - | 2.000 | - | 2.000 | - | - | - | - |
| PREDATOR A/B MODIFICATIONS | 157.227 | 19.910 | 4.272 | 2.755 | - | 2.755 | - | - | - | - |
| GCS Blk 50 | - | - | - | - | - | - | - | 48.798 | 53.209 | 49.985 |
| GCS Blk 30 | 32.629 | 0.661 | - | 0.921 | - | 0.921 | 0.948 | 0.977 | 1.006 | - |
| IP Migration | - | 31.470 | - | 2.137 | - | 2.137 | - | - | - | - |
| Communication Enhancements | - | - | - | 0.895 | - | 0.895 | 0.932 | 0.153 | - | - |
| Technology Insertion | - | - | - | - | - | - | - | - | - | - |
| GCS Tech Refresh | 31.793 | - | - | 2.904 | - | 2.904 | 6.676 | - | - | - |
| MQ-9 Low Cost Mods | - | 2.000 | 2.000 | 2.000 | - | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 |
| Gorgon Stare | - | 84.470 | - | - | - | - | - | - | - | - |
| RQ-4 GSRA/CSRA Mods | - | - | 23.668 | - | - | - | - | - | - | - |
| BLOCK B UPGRADE | 71.851 | 2.033 | 0.162 | - | - | - | - | - | - | - |
| LOW COST MODIFICATIONS | 10.325 | 1.541 | 1.244 | 1.999 | - | 1.999 | 1.999 | 1.999 | 1.999 | 1.999 |
| Exhibit P-3a | | | | | | | | | | |
| EHF SATCOM and Computers | 49.435 | 51.918 | 7.469 | 8.189 | - | 8.189 | - | - | - | - |
| B-2 Trainer System Upgrade | 17.771 | 6.275 | 2.006 | 6.415 | - | 6.415 | 6.575 | 7.715 | 7.862 | 8.009 |

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(Funding for Modifications)

| Modification P-40a Item Title P-3a Modification Title | PYS | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|--|---------|---------|---------|-----------------|----------------|------------------|---------|---------|---------|---------|
| FULLY INTEGRATED DATA LINKS | 121.375 | 58.150 | 43.750 | 58.742 | - | 58.742 | - | - | - | - |
| Self Contained Attitude Indicator | - | - | - | 8.209 | - | 8.209 | - | - | - | - |
| CITS UPGRADE | 29.760 | 16.493 | 14.099 | 22.000 | - | 22.000 | - | - | - | - |
| VERTICAL SITUATION DISPLAYS | 50.446 | 32.583 | 30.866 | 44.282 | - | 44.282 | - | - | - | - |
| B-52 Anti-Skid Replacement | - | - | 4.637 | 5.879 | - | 5.879 | - | - | - | - |
| B-52 Combat Network Communications Technology | - | - | 74.221 | 153.778 | - | 153.778 | - | - | - | - |
| B-52 Internal Weapons Bay Upgrade | - | - | - | 6.724 | - | 6.724 | - | - | - | - |
| B-52 Mode S/5 | - | - | 9.590 | 10.626 | - | 10.626 | - | - | - | - |
| LARGE AIRCRAFT INFRARED COUNTERMEASURES C-17 | - | 72.384 | 15.711 | 8.525 | - | 8.525 | - | - | - | - |
| F-15E Radar Modernization Program APG-82(V)1 | 182.927 | 86.311 | 189.995 | 240.947 | - | 240.947 | - | - | - | - |
| F-15C/D APG-63(V)3 radar upgrade | 652.962 | 71.892 | 110.291 | 117.460 | - | 117.460 | - | - | - | - |
| F-15E -JOINT HELMET-MOUNTED CUEING SYSTEM | 65.686 | 4.097 | 21.170 | 15.771 | - | 15.771 | - | - | - | - |
| F-15C/D Beyond Line Of Sight Communications | 21.747 | 11.320 | 12.226 | 9.059 | - | 9.059 | - | - | - | - |
| AETC MTD UPGRADES-FIELD TRAINING DETACHMENTS | 83.356 | 0.621 | 5.450 | 6.053 | - | 6.053 | - | - | - | - |
| INCREMENT 3.1 | 199.846 | 30.710 | 12.701 | 12.891 | - | 12.891 | 9.511 | 4.308 | - | - |
| Reliability and Maintainability Maturation Program | 647.655 | 127.689 | 126.123 | 104.318 | - | 104.318 | 97.485 | 97.198 | 91.284 | 73.699 |
| F119 Engine Modifications | 18.374 | 10.147 | 27.382 | 17.487 | - | 17.487 | 15.273 | 36.387 | 36.905 | 31.352 |
| Structures Retrofit Plan | 131.157 | 58.154 | 30.737 | 35.982 | - | 35.982 | 33.439 | 47.487 | 36.208 | 6.603 |
| Trainers Modernization | 13.516 | 30.739 | 32.601 | 7.199 | - | 7.199 | 3.564 | 6.577 | 6.807 | 2.973 |
| Block 3i LRIP 2-5 Upgrade | - | - | 63.420 | 81.695 | - | 81.695 | 94.022 | 28.449 | 3.764 | 1.238 |
| Concurrency | - | 74.232 | 63.357 | 105.090 | - | 105.090 | 120.814 | 221.423 | 246.243 | 261.240 |
| INCREMENT 3.2B | - | - | - | 28.500 | - | 28.500 | 70.184 | 79.930 | 146.246 | 13.322 |

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|--|-----------|-----------|---------|-----------------|----------------|------------------|---------|---------|---------|---------|
| C-5 Fleet Blk Upgrade 01 | 7.592 | 6.354 | 0.300 | 7.600 | - | 7.600 | - | - | - | - |
| C-5 Mission Systems Equipment- Lavatory | - | - | - | 6.165 | - | 6.165 | - | - | - | - |
| C-5 Reliability Enhancement and Re-Engining Program | 1,581.626 | 1,028.532 | 919.717 | 331.466 | - | 331.466 | - | - | - | - |
| Pylon Stub FFLZ, FF, Translating Fairing | 29.095 | 15.309 | 16.942 | 15.560 | - | 15.560 | 6.482 | 3.898 | - | - |
| Block 13 to 17 Retrofit | 654.225 | 143.191 | 23.003 | 57.585 | - | 57.585 | - | - | - | - |
| IFF GATM Mode 5 | 5.703 | 7.620 | 19.283 | 22.621 | - | 22.621 | 26.828 | 33.363 | 35.032 | 23.362 |
| NEXT GEN CNS/ATM | - | - | - | 7.575 | - | 7.575 | 16.906 | 22.964 | 2.423 | - |
| OBIGGS II | 75.813 | - | 11.219 | 13.170 | - | 13.170 | 20.852 | 20.876 | 38.197 | 50.823 |
| ILS Identification and Flight Control Computer Updates | 1.547 | 5.467 | 3.824 | 6.663 | - | 6.663 | 4.559 | 4.915 | 3.591 | - |
| WIDEBAND SATCOM | - | - | - | 4.000 | - | 4.000 | - | - | - | - |
| WIDEBAND SATCOM | - | - | - | 18.000 | - | 18.000 | - | - | - | - |
| Avionics Modification | - | - | - | 7.362 | - | 7.362 | - | - | - | - |
| Pacer Classic III | 41.194 | 15.787 | 17.824 | 33.389 | - | 33.389 | - | - | - | - |
| CNS/ATM | - | 1.181 | 41.851 | 28.660 | - | 28.660 | - | - | - | - |
| WIDEBAND SATCOM | - | - | - | 4.000 | - | 4.000 | - | - | - | - |
| C-130 SYSTEMS/STRUCTURE (PHASE II MODERNIZATION) | 617.778 | 15.812 | 24.833 | 13.640 | - | 13.640 | - | - | - | - |
| 8.33 kHz Radios -- Minimize C-130 CNS/ATM Program | - | - | 9.922 | 7.447 | - | 7.447 | - | - | - | - |
| CVR/DVR -- Minimize C-130 CNS/ATM Program | - | - | 4.278 | 7.151 | - | 7.151 | - | - | - | - |
| C-130J Center Wing Replacement | - | 30.830 | 0.742 | 7.337 | - | 7.337 | 13.338 | - | - | - |
| BLOCK 45 | 20.013 | 19.921 | 27.485 | 61.345 | - | 61.345 | - | - | - | - |
| COMPASS CALL | - | 63.958 | 29.494 | 57.828 | - | 57.828 | - | - | - | - |
| COBRA BALL | - | 9.186 | 9.129 | 6.062 | - | 6.062 | - | - | - | - |

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 Exhibit P-1M, Procurement Programs - Modification Summary
 (Funding for Modifications)

| Modification P-40a Item Title P-3a Modification Title | PYS | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|--|-------------------|------------------|------------------|------------------|----------------|------------------|------------------|------------------|------------------|------------------|
| RIVET JOINT | - | 149.157 | 154.940 | 139.443 | - | 139.443 | - | - | - | - |
| COMBAT SENT | - | 7.282 | 10.444 | 7.241 | - | 7.241 | - | - | - | - |
| NEXT GENERATION IDENTIFICATION FRIEND OR FOE (IFF) | 11.362 | 17.041 | 21.717 | 6.853 | - | 6.853 | - | - | - | - |
| AEHF Compatible Terminal/PNVC | - | - | - | 2.400 | - | 2.400 | - | - | - | - |
| Low Frequency Transmit System (LFTS) | - | - | - | 5.250 | - | 5.250 | - | - | - | - |
| E-4B COMMUNICATION NAVIGATION SURVEILLANCE/ AIR TRAFFIC MANAGEMENT I | - | - | 5.300 | 5.220 | - | 5.220 | - | - | - | - |
| SERVICE BULLETINS | 8.116 | 5.479 | 0.657 | 5.589 | - | 5.589 | - | - | - | - |
| BLOCK 40/45 BLOCK UPGADE | - | - | - | 160.284 | - | 160.284 | 179.918 | 201.831 | 139.655 | 42.898 |
| Family of Beyond Line-of-Sight Terminals | - | - | - | 32.026 | - | 32.026 | 23.817 | 11.595 | 11.814 | 12.035 |
| HH-60 OLR Mission Modifications | 264.670 | 54.223 | 3.860 | 44.282 | - | 44.282 | - | - | - | - |
| GH Aircraft Mods | 362.690 | 6.997 | 8.813 | 21.354 | - | 21.354 | 46.127 | 34.493 | 89.248 | 67.265 |
| EHF SATCOM | 14.279 | 4.574 | 1.920 | 21.784 | - | 21.784 | 31.735 | 16.868 | 25.816 | 5.963 |
| Block 5 | 79.324 | - | - | 25.389 | - | 25.389 | - | 78.620 | 74.176 | 85.372 |
| MQ-9 Field | 116.923 | 56.620 | 44.086 | 17.236 | - | 17.236 | 9.076 | 5.663 | 0.460 | - |
| MTS-B HD | 21.757 | 8.542 | - | 7.587 | - | 7.587 | 8.310 | 0.510 | - | - |
| Lynx SAR | - | - | - | 30.016 | - | 30.016 | 27.527 | 29.040 | 20.706 | - |
| R&M enhancements | 17.944 | 7.824 | 0.021 | 6.488 | - | 6.488 | 6.090 | 7.641 | 7.026 | 7.249 |
| Extended Range MQ-9 | - | 70.354 | 16.863 | 59.872 | - | 59.872 | 54.073 | 36.697 | 5.736 | - |
| Block 20 Upgrade | 18.746 | 18.051 | 18.149 | 72.875 | - | 72.875 | 68.371 | 70.672 | 72.000 | 73.387 |
| Totals (Total Obligation Authority) | | | | | | | | | | |
| Total Obligation Authority | 11,166.742 | 3,599.149 | 2,934.277 | 2,664.211 | - | 2,664.211 | 1,144.902 | 1,355.581 | 1,347.465 | 1,112.664 |

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ACRONYMS

GENERAL ACRONYMS

| | |
|---------|--|
| ABIDES | - Automated Budget Interactive Data Environment System |
| ACAT | - Acquisition Category |
| ACTD | - Advanced Concept Technology Demonstration |
| AGM | - Air-to-Ground Missile |
| AIM | - Air Intercept Missile |
| AIS | - Avionics Intermediate Shop |
| ACMI | - Aircraft Combat Maneuvering Instrumentation |
| AMRAAM | - Advanced Medium-Range Air-to-Air Missile |
| AUTODIN | - Automated Digital Network |
| AWACS | - Airborne Warning and Control System |
| BLSS | - Base Level Self-Sufficiency Spares |
| BY | - Budget Year |
| C3 | - Command, Control, and Communication System |
| CFE | - Contractor Furnished Equipment |
| CONOPS | - Concept of Operation |
| CONUS | - Continental United States |
| CPMS | - Comprehensive Power Management System |
| CPT | - Cockpit Procedures Trainer |
| CRA | - Continuing Resolution Authority |
| CTS | - Countermeasures Test Set |
| CY | - Current Year |
| DDTE | - Design, Development, Test and Evaluation |
| ECCM | - Electronic Counter Counter-Measures |
| ECM | - Electronic Counter Measures |
| ECO | - Engineering Change Orders |
| EOQ | - Economic Order Quantity |
| ECP | - Engineering Change Proposal |
| EGPWS | - Enhance Ground Proximity Warning System |
| EPA | - Economic Price Adjustment |
| EW | - Electronic Warfare |
| EWAI SP | - Electronic Warfare Avionics Integration Support Facility |

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| | |
|----------|--|
| FLIR | - Forward Looking Infra Red |
| FOT&E | - Follow-on Test and Evaluation |
| FOC | - Fully Operational Capability |
| FLTS | - Flight Line Test Set |
| FPIF | - Fixed Price Incentive Firm |
| FPIS | - Fixed Price Incentive Fee, Successive Targets |
| GANS | - Global Access Navigation & Safety |
| GATM | - Global Air Traffic Management |
| GFE | - Government Furnished Equipment |
| GPS | - Global Positioning System |
| GSE | - Ground Support Equipment |
| IOC | - Initial Operating Capability |
| IPE | - Increased Performance Engine |
| JPALS | - Joint Precision Approach and Landing System |
| LANTIRN | - Low Altitude Navigation and Targeting Infra Red System for Night |
| METS | - Mobile Electronic Test Stations |
| MYP | - Multiyear Procurement |
| MSIP | - Multi-Stage Improvement Program |
| NAVWAR | - Navigation Warfare |
| NMC Rate | - Not Mission Capable Rate |
| OFF | - Operational Flight Program |
| OT&E | - Operational Test and Evaluation |
| OWRM | - Other War Reserve Material |
| PAGEL | - Priced Aerospace Ground Equipment List |
| PB | - President's Budget |
| PGSE | - Peculiar Ground Support Equipment |
| PMC | - Procurement Method Code |
| PNO | - Acquisition Program Number (MDAP Codes) |
| PR | - Purchase Request |
| PRCP | - Program Resource Collection Process |
| PTT | - Part Task Trainer |
| PY | - Prior Year |
| R&M | - Reliability and Maintainability |
| RAA | - Required Asset Availability |
| RDT&E | - Research, Development, Test and Evaluation |
| RVSM | - Reduced Vertical Separation Minimum |

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|-------|--|
| RWR | - Radar Warning Receiver |
| ROM | - Rough Order of Magnitude |
| SAM | - Surface-to-Air Missile |
| SS | - Sole Source |
| SOF | - Special Operation Force |
| TAF | - Tactical Air Force |
| TCAS | - Traffic Collision Alert and Avoidance System |
| TEWS | - Tactical Electronic Warfare System |
| TISS | - TEWS Intermediate Support System |
| TOA | - Total Obligation Authority |
| WMP | - War Mobilization Plan |
| WRM | - War Reserve Material |
| WST | - Weapon System Trainer |
| UAV | - Unmanned Aerial Vehicle |
| UHF | - Ultra High Frequency |
| USA | - United States of America |
| VHSIC | - Very High Speed Integrated Circuit |

BASE / ORGANIZATIONAL ACRONYMS

| | |
|----------|--|
| 11 WING | - 11th Support Wing |
| ACC | - Air Combat Command |
| AETC | - Air Education & Training Command |
| AFCAO | - Air Force Computer Acquisition Office |
| AFCESA | - Air Force Civil Engineering Support Agency |
| AFCIC | - AF Communications & Information Center |
| AFCSC | - Air Force Cryptologic Service Center |
| AFESC | - Air Force Engineering Services Center |
| AFGWC | - Air Force Global Weather Central |
| AFIT | - Air Force Institute of Technology |
| AFMC | - Air Force Materiel Command |
| AFMETCAL | - Air Force Metrology and Calibration Office |
| AFMLO | - Air Force Medical Logistics Office |
| AFNEWS | - Air Force Information & News Service Center |
| AFOSI | - Air Force Office of Special Investigation |
| AFOTEC | - Air Force Operational Test & Evaluation Center |

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|-----------|--|
| AFPC | - Air Force Personnel Center |
| AFPSL | - AF Primary Standards Lab |
| AFR | - Air Force Reserve |
| AFSOC | - AF Special Operations Command |
| AFSPC | - Air Force Space Command |
| AIA | - Air Intelligence Agency |
| ALC | - Air Logistics Center |
| AMC | - Air Mobility Command |
| ANG | - Air National Guard |
| ASC | - Aeronautical Systems Center |
| AETC | - Air Education Training Command |
| AU | - Air University |
| AWS | - Air Weather Service |
| CIA | - Central Intelligence Agency |
| DGSC | - Defense General Support Center |
| DLA | - Defense Logistics Center |
| DOE | - Department of Energy |
| DPSC | - Defense Personnel Support Center |
| DSCC | - Defense Supply Center, Columbus |
| DTIC | - Defense Technical Information Center |
| ER | - Eastern Range |
| ESC | - Electronic Systems Center |
| FAA | - Federal Aviation Agency |
| FBI | - Federal Bureau of Investigation |
| GSA | - General Services Administration |
| JCS | - Joint Chiefs of Staff |
| JCS | - Johnson Space Center |
| NATO | - North Atlantic Treaty Organization |
| NBS | - National Bureau of Standards |
| OSD | - Office of the Secretary of Defense |
| PACAF | - Pacific Air Forces |
| USAF | - United States Air Force |
| USAFA | - United States Air Force Academy |
| USAFE | - United States Air Force Europe |
| USCENTCOM | - United States Central Command |
| USEUCOM | - United States European Command |

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USMC - United States Marine Corps
USSTRATCOM - United States Strategic Command
WPAFB - Wright-Patterson AFB, OH

CONTRACT METHOD / TYPE ACRONYMNS

C - Competitive
BA - Basic Agreement
BOA - Basic Ordering Agreement
BPA - Blanket Purchasing Agreement
CS - Cost Sharing
IDDDQ - Indefinite Delivery, Definite Quantity
IDIQ - Indefinite Delivery, Indefinite Quantity
IDRT - Indefinite Delivery, Requirements
Letter - Letter
LH - Labor-hour
MIPR - Military Interdepartmental Purchase Request
MIPR-C - Military Interdepartmental Purchase Request - Competitive
MIPR-OPT - Military Interdepartmental Purchase Request - Option
MIPR-OTH - Military Interdepartmental Purchase Request - Other
MIPR-SS - Military Interdepartmental Purchase Request - Sole Source
OPT - Option
OTH - Other
PO - Project Order
REQN - Requisition
SS - Sole Source
T&M - Time and Materials
UCA - Undefinitized Contract Action
WP - Work Project

CONTRACTED BY ACRONYMNS

11 WING - 11th Support Wing, Washington, DC
ACC - Air Combat Command, Langley AFB, VA
AEDC - Arnold Engineering Development Center, Arnold AFB, TN
AAC - Air Armament Center, Eglin AFB, FL

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|-------------|---|
| AEDC | - Arnold Engineering Development Center, Arnold AFB, TN |
| AETC | - Air Education and Training Command, Randolph AFB, TX |
| AFCIC | - Air Force Communications and Information Center, Washington, DC |
| AFCESA | - Air Force Civil Engineering Support Agency, Tyndall AFB, FL |
| AFFTC | - Air Force Flight Test Center, Edwards AFB, CA |
| AFMC | - Air Force Materiel Command, Wright-Patterson AFB, OH |
| AFMETCAL | - Air Force Metrology and Calibration Office, Heath, Ohio |
| AFMLO | - Air Force Medical Logistics Office, Ft Detrick, MD |
| AIA | - Air Intelligence Agency, Kelly AFB, TX |
| AMC | - Air Mobility Command, Scott AFB, IL |
| ASC | - Aeronautical Systems Center, Wright-Patterson AFB, OH & Eglin AFB, FL |
| AFWA | - Air Force Weather Agency, Offutt AFB, NE |
| DGSC | - Defense General Support Center, Richmond, VA |
| DPSC | - Defense Personnel Support Center, Philadelphia, PA |
| ER | - Eastern Range, Patrick AFB, FL |
| ESC | - Electronic Systems Center, Hanscom AFB, MA |
| HSC | - Human Services Center, Brook AFB, TX |
| OC-ALC | - Oklahoma City Air Logistics Center, Tinker AFB, OK |
| OO-ALC | - Ogden Air Logistics Center, Hill AFB, UT |
| SMC | - Space & Missile Systems Center, Los Angeles AFB, CA |
| US STRATCOM | - US Strategic Command, Offutt AFB, NE |
| WACC | - Washington Area Contracting Center, Washington DC |
| WR | - Western Range, Vandenberg AFB, CA |
| WR-ALC | - Warner-Robins Air Logistics Center, Robins AFB, GA |
| AFSPC | - Air Force Space Command, Peterson AFB, CO |
| HQ ANG | - Headquarters, Air National Guard, Washington, DC |
| USAFE | - United States Air Force Europe, Ramstein AB, GE |
| USAFA | - United States Air Force Academy, Colorado Springs, CO |
| SSG | - Standard Systems Group, Maxwell AFB-Gunter Annex, AL |

IDENTIFICATION CODES

| | |
|----------|--|
| Code "A" | - Line items of material which have been approved for Air Force service use. |
| Code "B" | - Line items of material that have not been approved for Service use |
| OBAN | - Operating Budget Account Number, 2-digit code for unit allocated funds |

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft

P-1 Line Item Number / Title:
B00200 / B-2A

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0101125F, 0101127F **Other Related Program Elements:** 0101127F

Line Item MDAP/MAIS Code: 224 **Item MDAP/MAIS Code(s):**

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO [#] | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|---|----------------|---------------|---------------|---------------|--------------------------|---------------|---------------|---------------|---------------|----------------|----------------|------------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 222.755 | 76.131 | 17.019 | 23.865 | - | 23.865 | 35.619 | 51.285 | 43.875 | 113.871 | 701.800 | 1,286.220 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (<i>\$ in Millions</i>) | 222.755 | 76.131 | 17.019 | 23.865 | - | 23.865 | 35.619 | 51.285 | 43.875 | 113.871 | 701.800 | 1,286.220 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 222.755 | 76.131 | 17.019 | 23.865 | - | 23.865 | 35.619 | 51.285 | 43.875 | 113.871 | 701.800 | 1,286.220 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial Spares (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Flyaway Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

The B-2 is a multi-engine, long range bomber incorporating low-observable ('stealth') technology that enables the B-2 to penetrate enemy air defenses and strike high-value targets. Specific modifications, budgeted and programmed, are below.

Funding for the exhibit is primarily in PE 0101127F (B-2 Squadrons). Some trainer efforts are funded in PE 0809731F (Training Support to Units).

| Secondary Distribution | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | |
|-------------------------------|-----------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|
| AF | Quantity | - | - | - | - | - | - | - | - | |
| | Total Obligation Authority | 76.131 | 17.019 | 23.865 | - | 23.865 | 35.619 | 51.285 | 43.875 | |
| AFNG | Quantity | - | - | - | - | - | - | - | - | |
| | Total Obligation Authority | - | - | - | - | - | - | - | - | |
| AFR | Quantity | - | - | - | - | - | - | - | - | |
| | Total Obligation Authority | - | - | - | - | - | - | - | - | |
| Total: | Quantity | - | - | - | - | - | - | - | - | |
| Secondary Distribution | Total Obligation Authority | 76.131 | 17.019 | 23.865 | - | 23.865 | 35.619 | 51.285 | 43.875 | 113.871 |

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft

P-1 Line Item Number / Title:
B00200 / B-2A

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0101125F, 0101127F **Other Related Program Elements:** 0101127F

Line Item MDAP/MAIS Code: 224 **Item MDAP/MAIS Code(s):**

| Exhibits Schedule | | ID CD | Prior Years | | | FY 2013 | | | FY 2014 | | | FY 2015 Base | | | FY 2015 OCO | | | FY 2015 Total | | |
|--|----------|----------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|
| Title* | Exhibits | | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 1 / LINK 16/CID/IFR | P-40a*** | | - | - | 92.446 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Item - 2 / B-2 Massive Ordnance Penetrator (MOP) Integration | P-40a*** | | - | - | 41.436 | - | - | 9.709 | - | - | - | - | - | - | - | - | - | - | - | - |
| Item - 3 / B-2 Defensive Management System (DMS) | P-40a*** | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Item - 4 / LOSSM - Structures | P-40a*** | | - | - | 0.209 | - | - | 2.429 | - | - | 3.200 | - | - | 4.320 | - | - | - | - | - | 4.320 |
| Item - 5 / 110052 LOSSM - Materials | P-40a*** | | - | - | 1.571 | - | - | 4.718 | - | - | 0.811 | - | - | 1.452 | - | - | - | - | - | 1.452 |
| Item - 6 / LOSSM - Diagnostics | P-40a*** | | - | - | 0.000 | - | - | - | - | - | 1.720 | - | - | 2.340 | - | - | - | - | - | 2.340 |
| Item - 7 / B-2 Flex Strike Phase 1 | P-40a*** | | - | - | 0.000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Item - 8 / B61-12 Integration | P-40a*** | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Item - 9 / Common Very Low Frequency Terminal | P-40a*** | | - | - | 0.000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Item - 10 / B-2 Low Cost Engine Modifications | P-40a*** | | - | - | 6.255 | - | - | 0.132 | - | - | 1.313 | - | - | 0.621 | - | - | - | - | - | 0.621 |
| Item - 11 / LOW COST MODIFICATIONS | P-40a*** | | - | - | 13.632 | - | - | 0.950 | - | - | 0.500 | - | - | 0.528 | - | - | - | - | - | 0.528 |
| P-3a - 110026 / EHF SATCOM and Computers | P-3a | | - | - | 49.435 | - | - | 51.918 | - | - | 7.469 | - | - | 8.189 | - | - | - | - | - | 8.189 |
| P-3a - 110031 / B-2 Trainer System Upgrade | P-3a | | - | - | 17.771 | - | - | 6.275 | - | - | 2.006 | - | - | 6.415 | - | - | - | - | - | 6.415 |
| Total Gross/Weapon System Cost | | | - | - | 222.755 | - | - | 76.131 | - | - | 17.019 | - | - | 23.865 | - | - | - | - | - | 23.865 |

| Exhibits Schedule | | ID CD | FY 2016 | | | FY 2017 | | | FY 2018 | | | FY 2019 | | | To Complete | | | Total | | |
|--|----------|----------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|
| Title* | Exhibits | | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 1 / LINK 16/CID/IFR | P-40a*** | | - | - | 0.105 | - | - | 0.400 | - | - | 0.497 | - | - | 0.199 | - | - | - | - | - | 93.647 |
| Item - 2 / B-2 Massive Ordnance Penetrator (MOP) Integration | P-40a*** | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 51.145 |
| Item - 3 / B-2 Defensive Management System (DMS) | P-40a*** | | - | - | - | - | - | - | - | - | - | - | 76.476 | - | - | 701.800 | - | - | - | 778.276 |
| Item - 4 / LOSSM - Structures | P-40a*** | | - | - | 3.295 | - | - | 4.510 | - | - | 3.798 | - | - | 4.931 | - | - | - | - | - | 26.692 |
| Item - 5 / 110052 LOSSM - Materials | P-40a*** | | - | - | 2.715 | - | - | 2.737 | - | - | 2.169 | - | - | 1.724 | - | - | - | - | - | 17.897 |

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft

P-1 Line Item Number / Title:
B00200 / B-2A

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0101125F, 0101127F **Other Related Program Elements:** 0101127F

Line Item MDAP/MAIS Code: 224 **Item MDAP/MAIS Code(s):**

| Exhibits Schedule | | ID CD | FY 2016 | | | FY 2017 | | | FY 2018 | | | FY 2019 | | | To Complete | | | Total | | |
|---|----------|----------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|
| Title* | Exhibits | | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 6 / LOSSM - Diagnostics | P-40a*** | | - | - | 2.561 | - | - | 1.482 | - | - | 2.927 | - | - | 2.406 | - | - | - | - | - | 13.436 |
| Item - 7 / B-2 Flex Strike Phase 1 | P-40a*** | | - | - | - | - | - | 14.354 | - | - | 6.864 | - | - | - | - | - | - | - | - | 21.218 |
| Item - 8 / B61-12 Integration | P-40a*** | | - | - | - | - | - | - | - | - | 8.998 | - | - | 9.166 | - | - | - | - | - | 18.164 |
| Item - 9 / Common Very Low Frequency Terminal | P-40a*** | | - | - | 19.190 | - | - | 18.758 | - | - | 9.407 | - | - | 9.582 | - | - | - | - | - | 56.937 |
| Item - 10 / B-2 Low Cost Engine Modifications | P-40a*** | | - | - | 0.632 | - | - | 0.717 | - | - | 0.730 | - | - | 0.743 | - | - | - | - | - | 11.143 |
| Item - 11 / LOW COST MODIFICATIONS | P-40a*** | | - | - | 0.546 | - | - | 0.612 | - | - | 0.623 | - | - | 0.635 | - | - | - | - | - | 18.026 |
| P-3a - 110026 / EHF SATCOM and Computers | P-3a | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 117.011 |
| P-3a - 110031 / B-2 Trainer System Upgrade | P-3a | | - | - | 6.575 | - | - | 7.715 | - | - | 7.862 | - | - | 8.009 | - | - | - | - | - | 62.628 |
| Total Gross/Weapon System Cost | | | - | - | 35.619 | - | - | 51.285 | - | - | 43.875 | - | - | 113.871 | - | - | 701.800 | - | - | 1,286.220 |

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

*For Items, Title represents the Item Number / Title [DODIC]. For the P-3a, Title represents the Modification Number / Title.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

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|---|--|--|--|---|--|--|-------------------------|--|--|--|--|--|
| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | Date: March 2014 | | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1 | | | | P-1 Line Item Number / Title: B00200 / B-2A | | | | Modification Number / Title: 110026 / EHF SATCOM and Computers | | | | |

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|--|--------------------|----------------|----------------|---------------------|---------------------|----------------------|----------------|----------------|----------------|----------------|--------------------|----------------|
| Procurement Quantity (Units in Each) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (\$ in Millions) | 49.435 | 51.918 | 7.469 | 8.189 | - | 8.189 | - | - | - | - | - | 117.011 |
| Less PY Advance Procurement (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (\$ in Millions) | 49.435 | 51.918 | 7.469 | 8.189 | - | 8.189 | - | - | - | - | - | 117.011 |
| Plus CY Advance Procurement (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (\$ in Millions) | 49.435 | 51.918 | 7.469 | 8.189 | - | 8.189 | - | - | - | - | - | 117.011 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|--|---|-------|-------|-------|---|-------|-------|-------|---|---|---|--------|
| Initial Spares (\$ in Millions) | - | 6.029 | 3.078 | 0.421 | - | 0.421 | 0.767 | 0.201 | - | - | - | 10.496 |
| Gross/Weapon System Unit Cost (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

Increment 1 is a high-speed computing upgrade that provides upgraded flight management computer processors, increased data storage, re-hosted Flight Management Operational Flight Program, and a high bandwidth data bus to prevent degradation of existing capabilities resulting from future upgrades. Additionally, the new Integrated Processing Units and Disk Drive Unit architectures establish a high-speed fiber optic structure network while maintaining connectivity to legacy interfaces. This upgrade provides the required processing growth path to future B-2 upgrades such as, but not limited to, future EHF increments, Defensive Management System Modernization, Flexible Strike, B61-12 and other weapons integration efforts. Four kits were developed with Research Development Test and Evaluation (RDT&E) funds for three aircraft installs, which includes two Force Development Evaluation installs and one Developmental/Operational Test aircraft install. The fourth development kit will be refurbished and utilized as a production install via procurement funding. Procurement funding will purchase the remaining 16 kits/installs for a total of 20 aircraft. Modification of the training system will be accomplished at the operational base and other locations as required. This effort also includes updating the aircrew and maintenance trainers and academics/courseware. The Production and Deployment phase acquisition strategy is based on a two lot buy: Low Rate Initial Production (LRIP) in FY2012 and Full Rate Production (FRP) in FY2013. Funds on the Support Equipment line are for upgrades to related support equipment. This program has associated Research Development Test and Evaluation (RDT&E) funding in PE 0101127F. The EHF Increment 1 Milestone C occurred November 2011. The LRIP contract awarded September 2012 and FRP contract awarded December 2012. Implementation method is a combination of depot and contractor field team installations. Seventeen kits are installed with production funding and three kits are installed with RDT&E funding to complete all 20 B-2 aircraft.

Milestone/Development Status

RDT&E for EHF Increment 1 EMD awarded May 2007. The system completed developmental flight testing phase in February 2012. Initial Operational Testing and Evaluation completed in July 2012. The final operational test report was received October 2012 in support of the FRP decision in December 2012.

| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|-------------------------------|----------------------------|----------------|----------------|---------------------|--------------------|----------------------|----------------|----------------|----------------|----------------|
| AF | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 51.918 | 7.469 | 8.189 | - | 8.189 | - | - | - | - |
| AFNG | Quantity | - | - | - | - | - | - | - | - | - |

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|---|--|--|---|--|--|--|--|--|--|--|
| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | Date: March 2014 | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1 | | | P-1 Line Item Number / Title: B00200 / B-2A | | | | Modification Number / Title: 110026 / EHF SATCOM and Computers | | | |

| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|---|-----------------------------------|---------------|--------------|--------------|-------------|---------------|---------|---------|---------|---------|
| AFR | Total Obligation Authority | - | - | - | - | - | - | - | - | - |
| | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | - | - | - | - | - | - | - | - | - |
| Total: Secondary Distribution | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 51.918 | 7.469 | 8.189 | - | 8.189 | - | - | - | - |

| | | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|--|
| <p>Empty table area for additional data rows.</p> | | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|--|

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | | | | Date: March 2014 | | | |
|---|--------------------------------|--------------------------------|--------------------------------|--|---|--------------------------------|--------------------------------|--|--------------------------------|--|--------------------------------|--------------------------------|--|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1 | | | | | P-1 Line Item Number / Title: B00200 / B-2A | | | | | Modification Number / Title: 110026 / EHF SATCOM and Computers | | | |
| Models of Systems Affected: B-2 | | | | Modification Type: Capability Improvement | | | | Related RDT&E PEs: 0101127F | | | | | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total | |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | |
| RDT&E PE # | | | | | | | | | | | | | |
| 0101127F | 4 / 463.465 | - / 0.465 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 4 / 463.930 | |
| Procurement | | | | | | | | | | | | | |
| Modification Item 1 of 1: IPU/DDU | | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| IPU/DDU:INSTALL KITS Group A (Active) | 5 / 6.236 | 11 / 8.539 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 16 / 14.775 | |
| IPU/DDU:INSTALL KITS Group A (Guard) | 0 / 0.000 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | |
| IPU/DDU:INSTALL KITS Group A (Reserve) | 0 / 0.000 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | |
| Subtotal: Recurring | - / 6.236 | - / 8.539 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 14.775 | |
| B Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| IPU/DDU:EQUIPMENT Group B (Active) | 5 / 31.824 | 11 / 37.661 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 16 / 69.485 | |
| IPU/DDU:EQUIPMENT Group B (Guard) | 0 / 0.000 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | |
| IPU/DDU:EQUIPMENT Group B (Reserve) | 0 / 0.000 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | |
| Subtotal: Recurring | - / 31.824 | - / 37.661 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 69.485 | |
| Subtotal: IPU/DDU | - / 38.060 | - / 46.200 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 84.260 | |
| Subtotal: Procurement, All Modification Items | - / 38.060 | - / 46.200 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 84.260 | |
| Support (All Modification Items) | | | | | | | | | | | | | |
| GROUP A: TOTAL NONRECURRING | - / 0.000 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | |
| GROUP B: TOTAL NONRECURRING | - / 0.000 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | |
| Change Orders | - / - | - / - | - / 0.657 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 0.657 | |
| SIM/TRAINER | 0 / 2.868 | - / 2.500 | - / 1.200 | - / 0.545 | - / - | - / 0.545 | - / - | - / - | - / - | - / - | - / - | - / 17.113 | |
| SUPPORT-EQUIP | - / 8.507 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 8.507 | |
| PMA - Other Gov't Costs | - / 0.000 | - / 2.086 | - / 0.209 | - / 0.266 | - / - | - / 0.266 | - / - | - / - | - / - | - / - | - / - | - / 2.561 | |
| Subtotal: Support | 0 / 11.375 | - / 4.586 | - / 2.066 | - / 0.811 | - / - | - / 0.811 | - / - | - / - | - / - | - / - | - / - | - / 18.838 | |
| Installation | | | | | | | | | | | | | |
| Modification Item 1 of 1: IPU/DDU | - / - | 1 / 1.132 | 6 / 5.403 | 10 / 7.378 | - / - | 10 / 7.378 | - / - | - / - | - / - | - / - | - / - | 17 / 13.913 | |
| Subtotal: Installation | - / - | 1 / 1.132 | 6 / 5.403 | 10 / 7.378 | - / - | 10 / 7.378 | - / - | - / - | - / - | - / - | - / - | 17 / 13.913 | |
| Total | | | | | | | | | | | | | |
| Total Cost (Procurement + Support + Installation) | 49.435 | 51.918 | 7.469 | 8.189 | - | 8.189 | - | - | - | - | - | 117.011 | |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | Date: March 2014 | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1 | | | | P-1 Line Item Number / Title: B00200 / B-2A | | | Modification Number / Title: 110026 / EHF SATCOM and Computers | | | |
| Models of Systems Affected: | | Modification Type: Capability Improvement | | Related RDT&E PEs: 0101127F | | | | | | |
| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
| | | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Procurement | | | | | | | | | | |
| Modification Item 1 of 1: IPU/DDU | | | | | | | | | | |
| AF | | - / 46.200 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| <i>Subtotal: IPU/DDU Secondary Distribution</i> | | <i>- / 46.200</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> |
| <i>Subtotal: Procurement, All Modification Items</i> | | <i>- / 46.200</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> |
| Support | | | | | | | | | | |
| AF | | - / 4.586 | - / 2.066 | - / 0.811 | - / - | - / 0.811 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Support</i> | | <i>- / 4.586</i> | <i>- / 2.066</i> | <i>- / 0.811</i> | <i>- / -</i> | <i>- / 0.811</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> |
| Installation | | | | | | | | | | |
| Modification Item 1 of 1: IPU/DDU | | | | | | | | | | |
| Contract Field Team | | | | | | | | | | |
| AF | | 1 / 1.132 | 4 / 4.728 | 8 / 6.718 | - / - | 8 / 6.718 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Contract Field Team</i> | | <i>1 / 1.132</i> | <i>4 / 4.728</i> | <i>8 / 6.718</i> | <i>- / -</i> | <i>8 / 6.718</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> |
| Depot | | | | | | | | | | |
| AF | | - / - | 2 / 0.675 | 2 / 0.660 | - / - | 2 / 0.660 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Depot</i> | | <i>- / -</i> | <i>2 / 0.675</i> | <i>2 / 0.660</i> | <i>- / -</i> | <i>2 / 0.660</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> |
| <i>Subtotal: IPU/DDU</i> | | <i>1 / 1.132</i> | <i>6 / 5.403</i> | <i>10 / 7.378</i> | <i>- / -</i> | <i>10 / 7.378</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> |
| <i>Subtotal: Installation</i> | | <i>1 / 1.132</i> | <i>6 / 5.403</i> | <i>10 / 7.378</i> | <i>- / -</i> | <i>10 / 7.378</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> |
| Total | | | | | | | | | | |
| Total: Secondary Distribution, All Modification Items | | - / 51.918 | - / 7.469 | - / 8.189 | - / - | - / 8.189 | - / - | - / - | - / - | - / - |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1 | P-1 Line Item Number / Title: B00200 / B-2A | Modification Number / Title: 110026 / EHF SATCOM and Computers |

Modification Item 1 of 1: IPU/DDU

Modification Item MDAP/MAIS Code:

Manufacturer Information

| | |
|---|---------------------------------------|
| Manufacturer Name: Northrop Grumman | Manufacturer Location: El Segundo, CA |
| Administrative Leadtime (in Months): 11 | Production Leadtime (in Months): 18 |

| Dates | FY 2013 | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|----------------|----------|---------|---------|---------|---------|---------|---------|
| Contract Dates | Dec 2012 | | | | | | |
| Delivery Dates | Jun 2014 | | | | | | |

Installation Information

Method of Implementation: Contract Field Team

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|-----------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | - / - | 1 / 1.132 | 3 / 3.828 | - / 0.000 | - / - | - / 0.000 | - / - | - / - | - / - | - / - | - / - | 4 / 4.960 |
| Secondary Distribution - AF | - / - | 1 / 1.132 | 3 / 3.828 | - / 0.000 | - / - | - / 0.000 | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2013 | - / - | - / - | 1 / 0.900 | 8 / 6.718 | - / - | 8 / 6.718 | - / - | - / - | - / - | - / - | - / - | 9 / 7.618 |
| Secondary Distribution - AF | - / - | - / - | 1 / 0.900 | 8 / 6.718 | - / - | 8 / 6.718 | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2016 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2017 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2018 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2019 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| To Complete | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | - / - | 1 / 1.132 | 4 / 4.728 | 8 / 6.718 | - / - | 8 / 6.718 | - / - | - / - | - / - | - / - | - / - | 13 / 12.578 |
| Secondary Distribution - AF | - / - | 1 / 1.132 | 4 / 4.728 | 8 / 6.718 | - / - | 8 / 6.718 | - / - | - / - | - / - | - / - | - / - | - / - |

Installation Schedule

| | PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | | FY 2016 | | | | FY 2017 | | | | FY 2018 | | | | FY 2019 | | | | TC | Tot | |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|----|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | | |
| In | 0 | - | - | - | 1 | - | 1 | 1 | 2 | 1 | 2 | 2 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 13 |
| Out | 0 | - | - | - | - | - | 1 | - | 1 | 1 | 3 | - | 2 | 3 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 13 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1 | P-1 Line Item Number / Title: B00200 / B-2A | Modification Number / Title: 110026 / EHF SATCOM and Computers |

Modification Item 1 of 1: IPU/DDU

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Depot

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|-----------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | - / - | - / - | 2 / 0.675 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 2 / 0.675 |
| Secondary Distribution - AF | - / - | - / - | 2 / 0.675 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2013 | - / - | - / - | - / - | 2 / 0.660 | - / - | 2 / 0.660 | - / - | - / - | - / - | - / - | - / - | 2 / 0.660 |
| Secondary Distribution - AF | - / - | - / - | - / - | 2 / 0.660 | - / - | 2 / 0.660 | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2016 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2017 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2018 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2019 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| To Complete | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | - / - | - / - | 2 / 0.675 | 2 / 0.660 | - / - | 2 / 0.660 | - / - | - / - | - / - | - / - | - / - | 4 / 1.335 |
| Secondary Distribution - AF | - / - | - / - | 2 / 0.675 | 2 / 0.660 | - / - | 2 / 0.660 | - / - | - / - | - / - | - / - | - / - | - / - |

Installation Schedule

| | PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | | FY 2016 | | | | FY 2017 | | | | FY 2018 | | | | FY 2019 | | | | TC | Tot | |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|---|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | | |
| In | 0 | - | - | - | - | - | 1 | - | 1 | 1 | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 |
| Out | 0 | - | - | - | - | - | - | - | - | - | - | 1 | - | 1 | 1 | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | Date: March 2014 | | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1 | | | | P-1 Line Item Number / Title: B00200 / B-2A | | | | Modification Number / Title: 110031 / B-2 Trainer System Upgrade | | | | |

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|---|--------------------|----------------|----------------|---------------------|---------------------|----------------------|----------------|----------------|----------------|----------------|--------------------|---------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 17.771 | 6.275 | 2.006 | 6.415 | - | 6.415 | 6.575 | 7.715 | 7.862 | 8.009 | - | 62.628 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (<i>\$ in Millions</i>) | 17.771 | 6.275 | 2.006 | 6.415 | - | 6.415 | 6.575 | 7.715 | 7.862 | 8.009 | - | 62.628 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 17.771 | 6.275 | 2.006 | 6.415 | - | 6.415 | 6.575 | 7.715 | 7.862 | 8.009 | - | 62.628 |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> | | | | | | | | | | | | |
| Initial Spares (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

The B-2 Training System upgrade program ensures concurrency with the aircraft, provides for the evolution of the B-2 Training System as dictated by technology, global threat, and national security realities, and enables the B-2 anti-access /aerial denial and global strike mission. The B-2 Training System provides initial qualification, proficiency, continuation, requalification, mission rehearsal, and upgrade training for B-2 aircrews, maintainers, and weapons loaders. It includes, but is not limited to, the following training elements at Whiteman AFB: three Weapon System Trainers (WSTs) with instructor-operator stations, a Mission Trainer (MT), four Cockpit Procedure Trainers (CPTs), a Weapons Loading Trainer (WLT); a Crew Escape System Maintenance Trainer (CESMT); a Flight Control System Trainer (FCST); and a Training System Support Center (TSSC). The B-2 Training System also includes five maintenance training classrooms each consisting of a Computerized Maintenance Training System (CMTS), six computer-based training (CBT) Weapon System Training Aids (WSTAs), and an instructor operator station. The B-2 Training System upgrade effort includes, but is not limited to, updates to training device hardware and computers, simulation software, courseware lessons and academics materials, instructional system design architectures, engineering drawings, and system documentation not driven by a funded aircraft modification. These upgrades are ongoing and necessary to ensure concurrency with the B-2 weapon system while providing the combat fidelity necessary to train operational and warfighter employment requirements, preserving precious flight hours, avoiding 30-40 hour on-aircraft training sorties or committing an aircraft to maintenance and weapons loading training. Upgrades include, but are not limited to, updates to threat systems parametric and order of battle information, upgrades of radar emulation components and capabilities in the WSTs /MT, updates of display systems and subsystems, and fidelity upgrades of the WST to more precisely resemble air refueling and approach /landing procedures experienced in the jet. Additional improvements include updates to courseware and simulation associated with conventional, nuclear, and guided weapons delivery, expanded crypto keyfill training, upgrade of the electronic combat environment threat database tools to include, but are not limited to, threat laydown, threat parametrics, and Integrated Air Defense System threat environments. Improvements will also include expanded "freeplay" capability on the CPTs and CMTSs, upgrade of the WST simulation to provide weapons as powered up upon completion of initial conditions, upgrade of the current Defensive Management System (DMS) simulation and the DMS alternative /emergency procedures courseware, upgrade of the Mission Generation System, upgrade of the Suppressor tool, and upgrade of the simulation and computational processors as necessary. Life of Type buys may be implemented when appropriate to address diminishing manufacturing sources and materiel shortages for affected components and subassemblies to protect the planned production program by mitigating unplanned part redesign and requalification risks. Quantities and delivery dates have not been included due to the wide variety of ongoing modification efforts to the various elements of the B-2 Training System. B-2 Training System funding includes aircraft modification funds from PE 0809731F, specifically for the maintenance training system. These amounts are reflected on the P3-A in the "EQUIPMENT Group B (Active)" row. Aircraft Breakdown: ACTIVE 0, RESERVE 0, ANG 0, TOTAL 0

Milestone/Development Status

Development of B-2 Training System upgrades is a continuous process relative to the needs of each funded effort. Some efforts do not require RDT&E, while others require design and test activities. This program has associated Research Development Test and Evaluation (RDT&E) funding in PE 0101127F.

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1 | P-1 Line Item Number / Title: B00200 / B-2A | Modification Number / Title: 110031 / B-2 Trainer System Upgrade |

| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|--|-----------------------------------|--------------|--------------|-----------------|----------------|------------------|--------------|--------------|--------------|--------------|
| AF | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 6.275 | 2.006 | 6.415 | - | 6.415 | 6.575 | 7.715 | 7.862 | 8.009 |
| Total: Secondary Distribution | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 6.275 | 2.006 | 6.415 | - | 6.415 | 6.575 | 7.715 | 7.862 | 8.009 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | | | | Date: March 2014 | | | |
|---|--------------------------------|--------------------------------|--------------------------------|--|---|--------------------------------|--------------------------------|--|--------------------------------|--|--------------------------------|--------------------------------|--|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1 | | | | | P-1 Line Item Number / Title: B00200 / B-2A | | | | | Modification Number / Title: 110031 / B-2 Trainer System Upgrade | | | |
| Models of Systems Affected: B-2 | | | | Modification Type: Capability Improvement | | | | Related RDT&E PEs: 0101127F | | | | | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total | |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | |
| Procurement | | | | | | | | | | | | | |
| <i>Modification Item 1 of 1: B-2 Trainer Mods</i> | | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| B-2 Trainer Mods:INSTALL KITS Group A (Active) | - / 3.184 | - / 2.705 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 5.889 | |
| <i>Subtotal: Recurring</i> | - / 3.184 | - / 2.705 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 5.889 | |
| B Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| B-2 Trainer Mods:EQUIPMENT Group B (Active) | - / 5.429 | - / 3.570 | - / 2.006 | - / 6.415 | - / - | - / 6.415 | - / 6.575 | - / 7.715 | - / 7.862 | - / 8.009 | - / - | - / 47.581 | |
| <i>Subtotal: Recurring</i> | - / 5.429 | - / 3.570 | - / 2.006 | - / 6.415 | - / - | - / 6.415 | - / 6.575 | - / 7.715 | - / 7.862 | - / 8.009 | - / - | - / 47.581 | |
| <i>Subtotal: B-2 Trainer Mods</i> | - / 8.613 | - / 6.275 | - / 2.006 | - / 6.415 | - / - | - / 6.415 | - / 6.575 | - / 7.715 | - / 7.862 | - / 8.009 | - / - | - / 53.470 | |
| <i>Subtotal: Procurement, All Modification Items</i> | - / 8.613 | - / 6.275 | - / 2.006 | - / 6.415 | - / - | - / 6.415 | - / 6.575 | - / 7.715 | - / 7.862 | - / 8.009 | - / - | - / 53.470 | |
| Support (All Modification Items) | | | | | | | | | | | | | |
| SIM/TRAINER | 0 / 8.591 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 8.591 | |
| OTHER GOVT | - / 0.567 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 0.567 | |
| <i>Subtotal: Support</i> | 0 / 9.158 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 9.158 | |
| Installation | | | | | | | | | | | | | |
| <i>Subtotal: Installation</i> | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | |
| Total | | | | | | | | | | | | | |
| Total Cost (Procurement + Support + Installation) | 17.771 | 6.275 | 2.006 | 6.415 | - | 6.415 | 6.575 | 7.715 | 7.862 | 8.009 | - | 62.628 | |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | Date: March 2014 | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1 | | | P-1 Line Item Number / Title: B00200 / B-2A | | | Modification Number / Title: 110031 / B-2 Trainer System Upgrade | | | | |
| Models of Systems Affected: | | Modification Type: Capability Improvement | | Related RDT&E PEs: 0101127F | | | | | | |
| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
| | | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Procurement | | | | | | | | | | |
| Modification Item 1 of 1: B-2 Trainer Mods | | | | | | | | | | |
| AF | | - / 6.275 | - / 2.006 | - / 6.415 | - / - | - / 6.415 | - / 6.575 | - / 7.715 | - / 7.862 | - / 8.009 |
| <i>Subtotal: B-2 Trainer Mods Secondary Distribution</i> | | - / 6.275 | - / 2.006 | - / 6.415 | - / - | - / 6.415 | - / 6.575 | - / 7.715 | - / 7.862 | - / 8.009 |
| <i>Subtotal: Procurement, All Modification Items</i> | | - / 6.275 | - / 2.006 | - / 6.415 | - / - | - / 6.415 | - / 6.575 | - / 7.715 | - / 7.862 | - / 8.009 |
| Total | | | | | | | | | | |
| Total: Secondary Distribution, All Modification Items | | - / 6.275 | - / 2.006 | - / 6.415 | - / - | - / 6.415 | - / 6.575 | - / 7.715 | - / 7.862 | - / 8.009 |

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|---|----------------|----------------|---|---|--|----------------|----------------|
| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | Date: March 2014 | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1 | | | P-1 Line Item Number / Title: B00200 / B-2A | | Modification Number / Title: 110031 / B-2 Trainer System Upgrade | | |
| Modification Item 1 of 1: B-2 Trainer Mods | | | | | | | |
| Modification Item MDAP/MAIS Code: | | | | | | | |
| Manufacturer Information | | | | | | | |
| Manufacturer Name: L3 Comm | | | | Manufacturer Location: Binghamton, NY | | | |
| Administrative Leadtime (<i>in Months</i>): 0 | | | | Production Leadtime (<i>in Months</i>): 0 | | | |
| Dates | FY 2013 | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
| Contract Dates | | | | | | | |
| Delivery Dates | | | | | | | |
| Installation Information | | | | | | | |
| Method of Implementation (Organic): Org/Intermediate | | | | | Installation Quantity: 0 | | |
| | | | | | | | |

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft

P-1 Line Item Number / Title:
B01B00 / B-1B

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0101126F **Other Related Program Elements:** 0101126F

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|--|----------------|----------------|----------------|----------------|--------------|----------------|----------------|----------------|---------------|---------------|-------------|------------------|
| Procurement Quantity (Units in Each) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (\$ in Millions) | 566.034 | 136.025 | 104.135 | 140.252 | - | 140.252 | 129.338 | 114.507 | 71.220 | 88.128 | - | 1,349.639 |
| Less PY Advance Procurement (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (\$ in Millions) | 566.034 | 136.025 | 104.135 | 140.252 | - | 140.252 | 129.338 | 114.507 | 71.220 | 88.128 | - | 1,349.639 |
| Plus CY Advance Procurement (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (\$ in Millions) | 566.034 | 136.025 | 104.135 | 140.252 | - | 140.252 | 129.338 | 114.507 | 71.220 | 88.128 | - | 1,349.639 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial Spares (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Flyaway Unit Cost (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

The B-1B Lancer is a swing-wing, supersonic, long-range, conventional bomber. It carries the largest payload of both guided and unguided weapons in the Air Force inventory. The multi-mission B-1B is the backbone of America's long-range bomber force and can rapidly deliver massive quantities of precision and non-precision weapons against any adversary, anywhere in the world, at any time. The current service life extends beyond 2040.

This line item funds modifications to the B-1B aircraft and associated simulators and equipment. The specific modifications budgeted and programmed are below.

Funding for this exhibit contained in PE 0101126F.

| Exhibits Schedule | | Prior Years | | | FY 2013 | | | FY 2014 | | | FY 2015 Base | | | FY 2015 OCO | | | FY 2015 Total | | | |
|--|----------|-------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|
| Title* | Exhibits | ID CD | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 1 / Simulator Digital Control Loading | P-40a*** | | - | - | 1.024 | - | - | 1.544 | - | - | - | - | - | - | - | - | - | - | - | - |
| Item - 2 / Gyro Stabilization System (GSS) | P-40a*** | | - | - | 55.696 | - | - | 4.520 | - | - | 3.957 | - | - | 0.701 | - | - | - | - | - | 0.701 |
| Item - 3 / Inertial Navigation System (INS) | P-40a*** | | - | - | 44.165 | - | - | 10.719 | - | - | 7.031 | - | - | 4.103 | - | - | - | - | - | 4.103 |
| Item - 4 / B-1 TRAINING SUPPORT | P-40a*** | | - | - | 1.080 | - | - | 0.269 | - | - | 0.333 | - | - | 0.427 | - | - | - | - | - | 0.427 |

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft

P-1 Line Item Number / Title:
B01B00 / B-1B

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0101126F **Other Related Program Elements:** 0101126F

| Exhibits Schedule | | ID CD | Prior Years | | | FY 2013 | | | FY 2014 | | | FY 2015 Base | | | FY 2015 OCO | | | FY 2015 Total | | |
|---|----------|----------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|
| Title* | Exhibits | | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 5 / Digital Communications | P-40a*** | | - | - | 36.824 | - | - | - | - | - | 0.257 | - | - | 0.100 | - | - | - | - | - | 0.100 |
| Item - 6 / RADAR IMPROVEMENT UPGRADE | P-40a*** | | - | - | 154.321 | - | - | 10.498 | - | - | 3.642 | - | - | 1.265 | - | - | - | - | - | 1.265 |
| Item - 7 / B-1 Link 16 Crypto | P-40a*** | | - | - | - | - | - | - | - | - | - | - | - | 0.223 | - | - | - | - | - | 0.223 |
| Item - 8 / LAPTOP CONTROLLED TARGETING POD | P-40a*** | | - | - | 68.694 | - | - | - | - | - | 0.100 | - | - | 0.100 | - | - | - | - | - | 0.100 |
| Item - 9 / LOW COST MODIFICATIONS | P-40a*** | | - | - | 2.649 | - | - | 1.249 | - | - | 0.100 | - | - | 0.100 | - | - | - | - | - | 0.100 |
| P-3a - 4280 / FULLY INTEGRATED DATA LINKS | P-3a | | - | - | 121.375 | - | - | 58.150 | - | - | 43.750 | - | - | 58.742 | - | - | - | - | - | 58.742 |
| P-3a - 4281 / Self Contained Attitude Indicator | P-3a | | - | - | - | - | - | - | - | - | - | - | - | 8.209 | - | - | - | - | - | 8.209 |
| P-3a - 4284 / CITS UPGRADE | P-3a | | - | - | 29.760 | - | - | 16.493 | - | - | 14.099 | - | - | 22.000 | - | - | - | - | - | 22.000 |
| P-3a - 8971 / VERTICAL SITUATION DISPLAYS | P-3a | | - | - | 50.446 | - | - | 32.583 | - | - | 30.866 | - | - | 44.282 | - | - | - | - | - | 44.282 |
| Total Gross/Weapon System Cost | | | - | - | 566.034 | - | - | 136.025 | - | - | 104.135 | - | - | 140.252 | - | - | - | - | - | 140.252 |

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

*For Items, Title represents the Item Number / Title [DODIC]. For the P-3a, Title represents the Modification Number / Title.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1 | P-1 Line Item Number / Title: B01B00 / B-1B | Modification Number / Title: 4280 / FULLY INTEGRATED DATA LINKS |

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total |
|---|--------------------|----------------|----------------|---------------------|---------------------|----------------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 121.375 | 58.150 | 43.750 | 58.742 | - | 58.742 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - |
| Net Procurement (P1) (<i>\$ in Millions</i>) | 121.375 | 58.150 | 43.750 | 58.742 | - | 58.742 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 121.375 | 58.150 | 43.750 | 58.742 | - | 58.742 |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> | | | | | | |
| Initial Spares (<i>\$ in Millions</i>) | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

Fully Integrated Data Link (FIDL) is a net-centric warfare upgrade enabling full B-1B participation in joint combat and time-critical targeting operations. FIDL adds line-of-sight and beyond line-of-sight command and control (C2) connectivity through the addition of Link 16 and Joint Range Extension (JRE) data link. Modification funds will procure and install Group A and B kits for the FIDL upgrade to the B-1B.

This modification provides two tactical data processors and five multi-function displays for the B-1B aft crew stations. This modification also adds an Ethernet infrastructure enabling rapid airborne re-targeting by high-speed transfer of aircraft information to all four crew stations and on-board weapons. FIDL installations are scheduled concurrently with Central Integrated Test System (CITS) and Vertical Situation Display Upgrade (VSDU) to reduce installation costs, aircraft downtime, and to keep fielded aircraft configurations to a minimum for aircrew training, maintenance, and operational deployment efficiencies.

Modification funding is being used to alleviate Diminishing Manufacturing Sources (DMS) and Material Shortages (DMSMS) issues. DMSMS activities can include, but are not limited to, life of type buy or minor redesign. Procurement modification funding will be used to establish depot repair capability and for Interim Contractor Support (ICS). Activities comprised in the equipment non-recurring line include, but are not limited to, production test equipment and tooling. Group B non-recurring also includes Systems Engineering Program Management (SEPM).

Modification funds from fiscal years 2012 and 2013 will be used to acquire five Group A and Group B kits, support equipment and SEPM with the award of the Lot 4 production buy in the second quarter of FY 2014.

Requirement list in ORD: B-1B Conventional Mission Upgrade Program (26 Jan 05) (ORD CAF-357-92 (SAC 007-92) I/II-A, Rev 2, Annex A).

Milestone/Development Status

The EMD phase completed October 2011.

Two aircraft were modified using Research Development Test and Evaluation (RDT&E) funding in PE 0604226F / 0101126F.

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | Date: March 2014 | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1 | | | P-1 Line Item Number / Title: B01B00 / B-1B | | Modification Number / Title: 4280 / FULLY INTEGRATED DATA LINKS | |
| Models of Systems Affected: B-1B | | Modification Type: Capability Improvement | | | Related RDT&E PEs: 0101126F | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| RDT&E PE # | | | | | | |
| 0101126F | - / 162.988 | - / - | - / - | - / - | - / - | - / - |
| Procurement | | | | | | |
| <i>Modification Item 1 of 1: IBS</i> | | | | | | |
| A Kits | | | | | | |
| Recurring | | | | | | |
| IBS:INSTALL KITS Group A (Active) | 13 / 4.951 | 15 / 5.515 | 5 / 1.609 | 10 / 3.431 | - / - | 10 / 3.431 |
| <i>Subtotal: Recurring</i> | - / 4.951 | - / 5.515 | - / 1.609 | - / 3.431 | - / - | - / 3.431 |
| B Kits | | | | | | |
| Recurring | | | | | | |
| IBS:EQUIPMENT Group B (Active) | 13 / 39.893 | 15 / 25.309 | 5 / 7.385 | 10 / 16.632 | - / - | 10 / 16.632 |
| <i>Subtotal: Recurring</i> | - / 39.893 | - / 25.309 | - / 7.385 | - / 16.632 | - / - | - / 16.632 |
| <i>Subtotal: IBS</i> | - / 44.844 | - / 30.824 | - / 8.994 | - / 20.063 | - / - | - / 20.063 |
| <i>Subtotal: Procurement, All Modification Items</i> | - / 44.844 | - / 30.824 | - / 8.994 | - / 20.063 | - / - | - / 20.063 |
| Support (All Modification Items) | | | | | | |
| GROUP B: TOTAL NONRECURRING | - / 40.488 | - / 19.459 | - / 11.106 | - / 8.068 | - / - | - / 8.068 |
| Change Orders | - / 5.055 | - / 2.146 | - / 12.801 | - / 2.679 | - / - | - / 2.679 |
| Data | - / 1.758 | - / 0.331 | - / - | - / 0.025 | - / - | - / 0.025 |
| SIM/TRAINER | 0 / 0.000 | - / 4.147 | - / - | - / 0.806 | - / - | - / 0.806 |
| SUPPORT-EQUIP | - / 24.585 | - / 4.663 | - / 4.810 | - / 5.293 | - / - | - / 5.293 |
| ICS-Labor | - / - | - / 0.974 | - / 0.292 | - / 2.074 | - / - | - / 2.074 |
| ICS-Material | - / - | - / - | - / 2.700 | - / 1.350 | - / - | - / 1.350 |
| OTHER GOVT | - / 2.327 | - / 0.249 | - / 1.082 | - / 2.277 | - / - | - / 2.277 |
| PMA - Contractor Services | - / 0.997 | - / 1.577 | - / - | - / - | - / - | - / - |
| PMA - Other Gov't Costs | - / 0.017 | - / 0.052 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Support</i> | 0 / 75.227 | - / 23.598 | - / 22.791 | - / 22.572 | - / - | - / 22.572 |
| Installation | | | | | | |
| <i>Modification Item 1 of 1: IBS</i> | 1 / 1.304 | 3 / 3.728 | 7 / 11.965 | 10 / 16.107 | - / - | 10 / 16.107 |
| <i>Subtotal: Installation</i> | 1 / 1.304 | 3 / 3.728 | 7 / 11.965 | 10 / 16.107 | - / - | 10 / 16.107 |
| Total | | | | | | |
| Total Cost (Procurement + Support + Installation) | 121.375 | 58.150 | 43.750 | 58.742 | - | 58.742 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1 | P-1 Line Item Number / Title: B01B00 / B-1B | Modification Number / Title: 4280 / FULLY INTEGRATED DATA LINKS |

Modification Item 1 of 1: IBS

Modification Item MDAP/MAIS Code:

Manufacturer Information

| | |
|--|--|
| Manufacturer Name: Boeing | Manufacturer Location: Oklahoma City, OK |
| Administrative Leadtime (in Months): 4 | Production Leadtime (in Months): 18 |

| Dates | FY 2013 | FY 2014 | FY 2015 |
|----------------|----------|----------|----------|
| Contract Dates | May 2013 | Feb 2014 | Feb 2015 |
| Delivery Dates | Nov 2014 | Aug 2015 | Aug 2016 |

Installation Information

Method of Implementation: Depot

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | 1 / 1.304 | 3 / 3.728 | 7 / 11.965 | 2 / 3.221 | - / - | 2 / 3.221 |
| FY 2013 | - / - | - / - | - / - | 8 / 12.886 | - / - | 8 / 12.886 |
| FY 2014 | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | 1 / 1.304 | 3 / 3.728 | 7 / 11.965 | 10 / 16.107 | - / - | 10 / 16.107 |

Installation Schedule

| | PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 |
| In | 1 | - | - | 1 | 2 | - | 2 | 3 | 2 | 3 | 2 | 3 | 2 |
| Out | 0 | - | - | - | - | - | 2 | 1 | 1 | 3 | 3 | 3 | 2 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | Date: March 2014 | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1 | | P-1 Line Item Number / Title: B01B00 / B-1B | | Modification Number / Title: 4281 / Self Contained Attitude Indicator | | |

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO[#] | FY 2015 Total |
|---|--------------------|----------------|----------------|---------------------|--------------------------------|----------------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | - | - | - | 8.209 | - | 8.209 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - |
| Net Procurement (P1) (<i>\$ in Millions</i>) | - | - | - | 8.209 | - | 8.209 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | - | - | - | 8.209 | - | 8.209 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | |
|---|---|---|---|---|---|---|
| Initial Spares (<i>\$ in Millions</i>) | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - |

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

Self-Contained Standby Attitude Indicator (SCAI) will replace the B-1B's standby altitude, attitude, and airspeed/Mach indicators with a single combined standby instrument displaying the altitude, attitude, and airspeed/Mach flight information.

This development activity will replace the current obsolete legacy backup indicators with a more reliable/supportable unit. SCAI must be functional and reliable in the event of primary flight display failure, and is a Mission-Essential Subsystem List (MESL) item.

One test aircraft will be modified using Research, Development, Test and Evaluation (RDT&E) funding.

Requirement listed in ORD: B-1B Conventional Mission Upgrade Program (26 Jan 05) (ORD CAF-357-92 (SAC 007-92) I/II-A, Rev 2, Annex A).

This is a FY15 new start for Aircraft Procurement Air Force (APAF) funding.

Milestone/Development Status

Engineering and Manufacturing Development (EMD) contract award planned for FY 2014.

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|---|-----------------------------------|--|---|-----------------------------------|---|-----------------------------------|
| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | Date: March 2014 | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1 | | | P-1 Line Item Number / Title: B01B00 / B-1B | | Modification Number / Title: 4281 / Self Contained Attitude Indicator | |
| Models of Systems Affected: B-1B | | Modification Type: Capability Improvement | | | Related RDT&E PEs: 0101126F | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| RDT&E PE # | | | | | | |
| 0101126F | - / - | - / 3.000 | 1 / 5.200 | - / - | - / - | - / - |
| Procurement | | | | | | |
| Modification Item 1 of 1: SCAI Kit | | | | | | |
| A Kits | | | | | | |
| Recurring | | | | | | |
| SCAI Kit:INSTALL KITS Group A (Active) | - / - | - / - | - / - | 53 / - | - / - | 53 / - |
| <i>Subtotal: Recurring</i> | - / - | - / - | - / - | - / - | - / - | - / - |
| B Kits | | | | | | |
| Recurring | | | | | | |
| SCAI Kit:EQUIPMENT Group B (Active) | - / - | - / - | - / - | 53 / 5.286 | - / - | 53 / 5.286 |
| <i>Subtotal: Recurring</i> | - / - | - / - | - / - | - / 5.286 | - / - | - / 5.286 |
| <i>Subtotal: SCAI Kit</i> | - / - | - / - | - / - | - / 5.286 | - / - | - / 5.286 |
| <i>Subtotal: Procurement, All Modification Items</i> | - / - | - / - | - / - | - / 5.286 | - / - | - / 5.286 |
| Support (All Modification Items) | | | | | | |
| Change Orders | - / - | - / - | - / - | - / 0.059 | - / - | - / 0.059 |
| Data | - / - | - / - | - / - | - / 0.026 | - / - | - / 0.026 |
| SIM/TRAINER | - / - | - / - | - / - | - / 1.900 | - / - | - / 1.900 |
| PMA - Other Gov't Costs | - / - | - / - | - / - | - / 0.035 | - / - | - / 0.035 |
| OTHER GOVT | - / - | - / - | - / - | - / 0.903 | - / - | - / 0.903 |
| <i>Subtotal: Support</i> | - / - | - / - | - / - | - / 2.923 | - / - | - / 2.923 |
| Installation | | | | | | |
| <i>Subtotal: Installation</i> | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | | | | | | |
| Total Cost (Procurement + Support + Installation) | - | - | - | 8.209 | - | 8.209 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1 | | P-1 Line Item Number / Title: B01B00 / B-1B | |
| | | Modification Number / Title: 4281 / Self Contained Attitude Indicator | |
| <i>Modification Item 1 of 1:</i> SCAI Kit | | | |
| Modification Item MDAP/MAIS Code: | | | |
| Manufacturer Information | | | |
| Manufacturer Name: TBD | | Manufacturer Location: TBD | |
| Administrative Leadtime (<i>in Months</i>): 8 | | Production Leadtime (<i>in Months</i>): 12 | |
| Dates | FY 2013 | FY 2014 | FY 2015 |
| Contract Dates | | | Jun 2015 |
| Delivery Dates | | | Jun 2016 |
| Installation Information | | | |
| Method of Implementation (Organic): Org/Intermediate | | Installation Quantity: 61 | |
| | | | |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | Date: March 2014 | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1 | | P-1 Line Item Number / Title: B01B00 / B-1B | | Modification Number / Title: 4284 / CITS UPGRADE | | |

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total |
|---|--------------------|----------------|----------------|---------------------|---------------------|----------------------|
| Procurement Quantity <i>(Units in Each)</i> | - | - | - | - | - | - |
| Gross/Weapon System Cost <i>(\$ in Millions)</i> | 29.760 | 16.493 | 14.099 | 22.000 | - | 22.000 |
| Less PY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - |
| Net Procurement (P1) <i>(\$ in Millions)</i> | 29.760 | 16.493 | 14.099 | 22.000 | - | 22.000 |
| Plus CY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - |
| Total Obligation Authority <i>(\$ in Millions)</i> | 29.760 | 16.493 | 14.099 | 22.000 | - | 22.000 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | |
|---|---|---|---|---|---|---|
| Initial Spares <i>(\$ in Millions)</i> | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost <i>(\$ in Millions)</i> | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

Central Integrated Test System (CITS) is the B-1B on-board diagnostic system that monitors aircraft avionics and mechanical systems on the ground and during flight, reporting faults to aircrew and maintainers. The current CITS suffers from Diminishing Manufacturing Source (DMS) issues with the potential to ground aircraft. Current CITS processor is also at maximum memory/throughput, inhibiting fault detection and isolation for current systems and future B-1B upgrades.

Modification funds will procure and install Group A and Group B kits for the CITS upgrade to the B-1B. This modification provides a new CITS Dedicated Processor (CDP), upgraded Multi-Functional Display (MFD), and re-hosted CITS software, resulting in enhanced diagnostic capabilities, improved turnaround time, and reduced maintenance costs. CITS installations are scheduled concurrently with the Fully Integrated Data Link (FIDL) and the Vertical Situation Display Upgrade (VSDU) to reduce installation costs, aircraft downtime, and to keep fielded aircraft configurations to a minimum for aircrew training, maintenance, and operational deployment efficiencies.

Modification funding is being used to alleviate Diminishing Manufacturing Sources and Material Shortages (DMSMS). DMSMS activities can include, but are not limited to, life of type buy or minor redesign. Procurement modification funding will be used to establish depot repair capability and for Interim Contractor Support (ICS). Activities comprised in the equipment non-recurring line include, but are not limited to, production test equipment and tooling. Group B non-recurring also includes Systems Engineering Program Management (SEPM).

Modification funds from fiscal years 2012 and 2013 will be used to acquire five Group A and Group B kits, support equipment and SEPM with the award of the Lot 4 production buy in the second quarter of FY 2014.

Requirement listed in ORD: B-1B Conventional Mission Upgrade Program (26 Jan 05) (ORD CAF-357-92 (SAC 007-92) I/II-A, Rev 2, Annex A).

Milestone/Development Status

The Engineering & Manufacturing Development phase completed Oct 10.

Two aircraft were modified using Research Development Test and Evaluation (RDT&E) funding in PE 0604226F / 0101126F.

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | Date: March 2014 | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1 | | | P-1 Line Item Number / Title: B01B00 / B-1B | | Modification Number / Title: 4284 / CITS UPGRADE | |
| Models of Systems Affected: B-1B | | Modification Type: Service Life Extension | | | Related RDT&E PEs: 0101126F | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| RDT&E PE # | | | | | | |
| 0101126F | - / 49.635 | - / - | - / - | - / - | - / - | - / - |
| Procurement | | | | | | |
| Modification Item 1 of 1: IBS (2) | | | | | | |
| A Kits | | | | | | |
| Recurring | | | | | | |
| IBS:INSTALL KITS Group A (Active) | 13 / 1.043 | 15 / 1.178 | 5 / 0.420 | 10 / 0.890 | - / - | 10 / 0.890 |
| Subtotal: Recurring | - / 1.043 | - / 1.178 | - / 0.420 | - / 0.890 | - / - | - / 0.890 |
| B Kits | | | | | | |
| Recurring | | | | | | |
| IBS:EQUIPMENT Group B (Active) | 13 / 5.356 | 15 / 5.407 | 5 / 1.928 | 10 / 2.766 | - / - | 10 / 2.766 |
| Subtotal: Recurring | - / 5.356 | - / 5.407 | - / 1.928 | - / 2.766 | - / - | - / 2.766 |
| Subtotal: IBS (2) | - / 6.399 | - / 6.585 | - / 2.348 | - / 3.656 | - / - | - / 3.656 |
| Subtotal: Procurement, All Modification Items | - / 6.399 | - / 6.585 | - / 2.348 | - / 3.656 | - / - | - / 3.656 |
| Support (All Modification Items) | | | | | | |
| GROUP B: TOTAL NONRECURRING | - / 16.629 | - / 13.419 | - / 10.289 | - / 3.944 | - / - | - / 13.944 |
| Change Orders | - / 1.083 | - / 0.790 | - / 2.808 | - / 0.636 | - / - | - / 0.636 |
| Data | - / 1.146 | - / 0.147 | - / - | - / 0.011 | - / - | - / 0.011 |
| SIM/TRAINER | 0 / 0.050 | - / 2.358 | - / - | - / 0.269 | - / - | - / 0.269 |
| SUPPORT-EQUIP | - / 3.119 | - / 0.550 | - / 0.700 | - / 3.430 | - / - | - / 3.430 |
| ICS-Labor | - / - | - / 0.085 | - / 0.706 | - / 0.544 | - / - | - / 0.544 |
| ICS-Material | - / - | - / - | - / 0.450 | - / 0.225 | - / - | - / 0.225 |
| OTHER GOVT | - / 0.270 | - / 0.385 | - / 0.572 | - / 0.525 | - / - | - / 0.525 |
| PMA - Contractor Services | - / 0.154 | - / 0.050 | - / - | - / - | - / - | - / - |
| PMA - Other Gov't Costs | - / 0.308 | - / 0.290 | - / - | - / - | - / - | - / - |
| Subtotal: Support | 0 / 22.759 | - / 8.074 | - / 5.525 | - / 9.584 | - / - | - / 9.584 |
| Installation | | | | | | |
| Modification Item 1 of 1: IBS (2) | 1 / 0.602 | 3 / 1.834 | 7 / 6.226 | 10 / 8.760 | - / - | 10 / 8.760 |
| Subtotal: Installation | 1 / 0.602 | 3 / 1.834 | 7 / 6.226 | 10 / 8.760 | - / - | 10 / 8.760 |
| Total | | | | | | |
| Total Cost (Procurement + Support + Installation) | 29.760 | 16.493 | 14.099 | 22.000 | - | 22.000 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1 | P-1 Line Item Number / Title: B01B00 / B-1B | Modification Number / Title: 4284 / CITS UPGRADE |

Modification Item 1 of 1: IBS (2)

Modification Item MDAP/MAIS Code:

Manufacturer Information

| | | | |
|--|----------------|--|----------------|
| Manufacturer Name: Boeing | | Manufacturer Location: Oklahoma City, OK | |
| Administrative Leadtime (in Months): 4 | | Production Leadtime (in Months): 18 | |
| Dates | FY 2013 | FY 2014 | FY 2015 |
| Contract Dates | May 2013 | Feb 2014 | Feb 2015 |
| Delivery Dates | Nov 2014 | Aug 2015 | Aug 2016 |

Installation Information

Method of Implementation: Depot

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | 1 / 0.602 | 3 / 1.834 | 7 / 6.226 | 2 / 1.752 | - / - | 2 / 1.752 |
| FY 2013 | - / - | - / - | - / - | 8 / 7.008 | - / - | 8 / 7.008 |
| FY 2014 | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | 1 / 0.602 | 3 / 1.834 | 7 / 6.226 | 10 / 8.760 | - / - | 10 / 8.760 |

Installation Schedule

| PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | | |
|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---|
| | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | |
| In | 1 | - | - | 1 | 2 | - | 2 | 3 | 2 | 3 | 2 | 3 | 2 |
| Out | 0 | - | - | - | - | - | 2 | 1 | 1 | 3 | 3 | 3 | 2 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1 | P-1 Line Item Number / Title: B01B00 / B-1B | Modification Number / Title: 8971 / VERTICAL SITUATION DISPLAYS |

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO[#] | FY 2015 Total |
|---|--------------------|----------------|----------------|---------------------|--------------------------------|----------------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 50.446 | 32.583 | 30.866 | 44.282 | - | 44.282 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - |
| Net Procurement (P1) (<i>\$ in Millions</i>) | 50.446 | 32.583 | 30.866 | 44.282 | - | 44.282 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 50.446 | 32.583 | 30.866 | 44.282 | - | 44.282 |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> | | | | | | |
| Initial Spares (<i>\$ in Millions</i>) | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - |

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

Vertical Situation Display Upgrade (VSDU) is a safety-critical program to replace B-1B pilot and co-pilot primary flight displays and associated flight instruments. The current VSDs are monochrome cathode ray tube displays, which along with the "steam gauge" primary flight instruments, are experiencing Diminishing Manufacturing Sources (DMS) issues with the potential to ground aircraft. Spares are no longer procurable due to obsolescence.

Modification funds will procure and install Group A and Group B kits for the VSDU upgrade to the B-1B. This modification installs two 8"x6" color displays at pilot and co-pilot stations to provide Primary Flight Information (PFI) and backup PFI to meet flight safety standards. These displays also provide front crew situational awareness from the Fully Integrated Data Link (FIDL) enhancing the ability to avoid threats and strike emerging targets. VSDU installations are scheduled concurrently with Central Integrated Test System (CITS) and FIDL to reduce installation costs, aircraft downtime, and to keep fielded aircraft configurations to a minimum for aircrew training, maintenance, and operational deployment efficiencies.

Modification funding will be used for DMS and Material Shortages (DMSMS). DMSMS activities can include, but are not limited to, life of type buy or minor redesign. Procurement modification funding will be used to establish depot repair capability and for Interim Contractor Support (ICS). Activities comprised in the equipment non-recurring line include, but are not limited to, production test equipment and tooling. Group B non-recurring also includes Systems Engineering Program Management (SEPM).

Modification funds from fiscal years 2012 and 2013 will be used to acquire five Group A and Group B kits, support equipment and SEPM with the award of the Lot 4 production buy in the second quarter of fiscal year 2014.

Requirement listed in ORD: B-1B Conventional Mission Upgrade Program (26 Jan 05) (ORD CAF-357-92 (SAC 007-92) I/II-A, Rev 2, Annex A).

Milestone/Development Status

The Engineering & Manufacturing Development (EMD) phase is scheduled to close out in March 2014, based on disposition and repair of assets. Two aircraft were modified as a part of the development program and funded with RDT&E funding in PE 0604226F / 0101126F.

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | Date: March 2014 | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1 | | | P-1 Line Item Number / Title: B01B00 / B-1B | | | Modification Number / Title: 8971 / VERTICAL SITUATION DISPLAYS | |
| Models of Systems Affected: B-1B | | Modification Type: Service Life Extension | | | Related RDT&E PEs: 0101126F | | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | |
| RDT&E PE # | | | | | | | |
| 0101126F | - / 163.683 | - / 2.986 | - / - | - / - | - / - | - / - | |
| Procurement | | | | | | | |
| <i>Modification Item 1 of 1: IBS (3)</i> | | | | | | | |
| A Kits | | | | | | | |
| Recurring | | | | | | | |
| IBS:INSTALL KITS Group A (Active) | 13 / 2.123 | 15 / 2.492 | 5 / 0.809 | 10 / 1.580 | - / - | 10 / 1.580 | |
| <i>Subtotal: Recurring</i> | - / 2.123 | - / 2.492 | - / 0.809 | - / 1.580 | - / - | - / 1.580 | |
| B Kits | | | | | | | |
| Recurring | | | | | | | |
| IBS:EQUIPMENT Group B (Active) | 13 / 19.865 | 15 / 11.438 | 5 / 3.712 | 10 / 7.959 | - / - | 10 / 7.959 | |
| <i>Subtotal: Recurring</i> | - / 19.865 | - / 11.438 | - / 3.712 | - / 7.959 | - / - | - / 7.959 | |
| <i>Subtotal: IBS (3)</i> | - / 21.988 | - / 13.930 | - / 4.521 | - / 9.539 | - / - | - / 9.539 | |
| <i>Subtotal: Procurement, All Modification Items</i> | - / 21.988 | - / 13.930 | - / 4.521 | - / 9.539 | - / - | - / 9.539 | |
| Support (All Modification Items) | | | | | | | |
| GROUP B: TOTAL NONRECURRING | - / 13.387 | - / 5.186 | - / 0.556 | - / 3.514 | - / - | - / 3.514 | |
| Change Orders | - / 4.055 | - / 2.122 | - / 3.413 | - / 1.767 | - / - | - / 1.767 | |
| Data | - / 1.473 | - / 0.030 | - / - | - / 0.015 | - / - | - / 0.015 | |
| SIM/TRAINER | 0 / 0.000 | - / 3.686 | - / - | - / 1.288 | - / - | - / 1.288 | |
| SUPPORT-EQUIP | - / 5.912 | - / 0.069 | - / 2.825 | - / 2.387 | - / - | - / 2.387 | |
| ICS-Labor | - / - | - / 0.161 | - / 1.357 | - / 1.902 | - / - | - / 1.902 | |
| ICS-Material | - / - | - / - | - / 1.295 | - / 0.648 | - / - | - / 0.648 | |
| OTHER GOVT | - / 0.418 | - / 1.081 | - / 2.312 | - / 2.489 | - / - | - / 2.489 | |
| PMA - Contractor Services | - / 1.245 | - / 1.575 | - / 1.521 | - / 1.549 | - / - | - / 1.549 | |
| PMA - Other Gov't Costs | - / 0.411 | - / - | - / 0.437 | - / 0.445 | - / - | - / 0.445 | |
| <i>Subtotal: Support</i> | 0 / 26.901 | - / 13.910 | - / 13.716 | - / 16.004 | - / - | - / 16.004 | |
| Installation | | | | | | | |
| <i>Modification Item 1 of 1: IBS (3)</i> | 1 / 1.557 | 3 / 4.743 | 7 / 12.629 | 10 / 18.739 | - / - | 10 / 18.739 | |
| <i>Subtotal: Installation</i> | 1 / 1.557 | 3 / 4.743 | 7 / 12.629 | 10 / 18.739 | - / - | 10 / 18.739 | |
| Total | | | | | | | |
| Total Cost (Procurement + Support + Installation) | 50.446 | 32.583 | 30.866 | 44.282 | - | 44.282 | |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1 | P-1 Line Item Number / Title: B01B00 / B-1B | Modification Number / Title: 8971 / VERTICAL SITUATION DISPLAYS |

Modification Item 1 of 1: IBS (3)

Modification Item MDAP/MAIS Code:

Manufacturer Information

| | |
|--|--|
| Manufacturer Name: Boeing | Manufacturer Location: Oklahoma City, OK |
| Administrative Leadtime (in Months): 4 | Production Leadtime (in Months): 18 |

| Dates | FY 2013 | FY 2014 | FY 2015 |
|----------------|----------|----------|----------|
| Contract Dates | May 2013 | Feb 2014 | Feb 2015 |
| Delivery Dates | Nov 2014 | Aug 2015 | Aug 2016 |

Installation Information

Method of Implementation: Depot

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | 1 / 1.557 | 3 / 4.743 | 7 / 12.629 | 2 / 3.748 | - / - | 2 / 3.748 |
| FY 2013 | - / - | - / - | - / - | 8 / 14.991 | - / - | 8 / 14.991 |
| FY 2014 | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | 1 / 1.557 | 3 / 4.743 | 7 / 12.629 | 10 / 18.739 | - / - | 10 / 18.739 |

Installation Schedule

| | PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 |
| In | 1 | - | - | 1 | 2 | - | 2 | 3 | 2 | 3 | 2 | 3 | 2 |
| Out | 0 | - | - | - | - | - | 2 | 1 | 1 | 3 | 3 | 3 | 2 |

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

| | |
|--|---|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft | P-1 Line Item Number / Title: B05200 / B-52 |
|--|---|

| | | |
|---|--|---|
| ID Code (A=Service Ready, B=Not Service Ready) : | Program Elements for Code B Items: 0101113F | Other Related Program Elements: 0101113F |
|---|--|---|

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|---|--------------|--------------|---------------|----------------|--------------|----------------|----------------|----------------|---------------|----------------|-------------|----------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 0.000 | 1.906 | 90.803 | 180.148 | - | 180.148 | 163.534 | 131.400 | 86.179 | 102.778 | - | 756.748 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (<i>\$ in Millions</i>) | 0.000 | 1.906 | 90.803 | 180.148 | - | 180.148 | 163.534 | 131.400 | 86.179 | 102.778 | - | 756.748 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 0.000 | 1.906 | 90.803 | 180.148 | - | 180.148 | 163.534 | 131.400 | 86.179 | 102.778 | - | 756.748 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial Spares (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Flyaway Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

This line item funds modifications to the B-52H aircraft. The B-52H strategic bomber maintains nuclear and conventional taskings. The Air Force maintains 76 B-52Hs in its inventory. The B-52H has a certified service life of 27,701 flight hours with an average of 9,391 hours remaining as of December 31, 2013. The specific modifications budgeted and programmed are below.

In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

Funding for the exhibit contained in PE 0101113F. Funding under this PE may be used to alleviate Diminishing Manufacturing Sources (DMS) issues. APAF funds for B-52 are also executed under two additional PEs, Maintenance Trainer Modifications (PE 0809731F) and New START Treaty Implementation (PE 0305145F).

| Secondary Distribution | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|---|----------------------------|--------------|---------------|----------------|---------------|----------------|----------|----------|----------|
| AF | Quantity | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 1.906 | 82.577 | 161.292 | - | 161.292 | - | - | - |
| AFR | Quantity | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | - | 8.226 | 18.856 | - | 18.856 | - | - | - |
| Total: Secondary Distribution | Quantity | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 1.906 | 90.803 | 180.148 | - | 180.148 | - | - | - |

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft

P-1 Line Item Number / Title:
B05200 / B-52

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0101113F **Other Related Program Elements:** 0101113F

| Exhibits Schedule | | ID CD | Prior Years | | | FY 2013 | | | FY 2014 | | | FY 2015 Base | | | FY 2015 OCO | | | FY 2015 Total | | |
|---|----------|----------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|
| Title* | Exhibits | | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 1 / AETC Trainers (B-52) | P-40a*** | | - | - | - | - | - | 1.471 | - | - | 1.836 | - | - | 2.353 | - | - | - | - | - | 2.353 |
| Item - 2 / B-52 New Start Treaty | P-40a*** | | - | - | - | - | - | - | - | - | 0.500 | - | - | 0.198 | - | - | - | - | - | 0.198 |
| Item - 3 / B-52 Low Cost Mods | P-40a*** | | - | - | - | - | - | 0.435 | - | - | 0.019 | - | - | 0.590 | - | - | - | - | - | 0.590 |
| P-3a - 3265 / B-52 Anti-Skid Replacement | P-3a | | - | - | - | - | - | - | - | - | 4.637 | - | - | 5.879 | - | - | - | - | - | 5.879 |
| P-3a - 3310 / B-52 Combat Network Communications Technology | P-3a | | - | - | 0.000 | - | - | - | - | - | 74.221 | - | - | 153.778 | - | - | - | - | - | 153.778 |
| P-3a - 6884 / B-52 Internal Weapons Bay Upgrade | P-3a | | - | - | - | - | - | - | - | - | - | - | - | 6.724 | - | - | - | - | - | 6.724 |
| P-3a - 9709 / B-52 Mode S/5 | P-3a | | - | - | - | - | - | - | - | - | 9.590 | - | - | 10.626 | - | - | - | - | - | 10.626 |
| Total Gross/Weapon System Cost | | | - | - | 0.000 | - | - | 1.906 | - | - | 90.803 | - | - | 180.148 | - | - | - | - | - | 180.148 |

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

*For Items, Title represents the Item Number / Title [DODIC]. For the P-3a, Title represents the Modification Number / Title.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:

Where applicable, justification for individual modifications is provided in the P-3A exhibits.

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | Date: March 2014 | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1 | | P-1 Line Item Number / Title: B05200 / B-52 | | Modification Number / Title: 3265 / B-52 Anti-Skid Replacement | | |

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total |
|---|--------------------|----------------|----------------|---------------------|---------------------|----------------------|
| Procurement Quantity <i>(Units in Each)</i> | - | - | - | - | - | - |
| Gross/Weapon System Cost <i>(\$ in Millions)</i> | - | - | 4.637 | 5.879 | - | 5.879 |
| Less PY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - |
| Net Procurement (P1) <i>(\$ in Millions)</i> | - | - | 4.637 | 5.879 | - | 5.879 |
| Plus CY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - |
| Total Obligation Authority <i>(\$ in Millions)</i> | - | - | 4.637 | 5.879 | - | 5.879 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | |
|---|---|---|-------|-------|---|-------|
| Initial Spares <i>(\$ in Millions)</i> | - | - | 0.384 | 0.583 | - | 0.583 |
| Gross/Weapon System Unit Cost <i>(\$ in Millions)</i> | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

The B-52 Anti-Skid system is used to maintain control of aircraft during landings and taxi operations. The B-52 Anti-Skid system prevents aircraft skidding by sensing the exact amount of brake pressure needed for safe braking under all runway conditions without tire damage. RDT&E funds provided two Anti-Skid kits for aircraft installs. The program is based on a Total Aircraft Inventory (TAI) of 76. This leaves 74 aircraft installs to be covered under the Aircraft Modification cost element to complete the total of 76 B-52 aircraft. Current procurement funding will only facilitate purchase of 48 kits for aircraft installs.

Previous B-52 Anti-Skid supportability analysis, completed in Oct 2006 by General Atomics, indicated a supportability end date of 2011, based on parts obsolescence, a lack of test equipment and a lack of repair personnel. Parts obsolescence continues to be a major supportability factor. However, since the previous analysis, test equipment and new depot maintenance procedures to refurbish previously failed Anti-Skid Detectors have been put in place in order to provide spares until 2015 when the replacement will be available. This requirement was validated by Air Force Form 1067, signed in July 2009. This effort is not meant to provide additional capability since it will be equal to or better than the current capability. The mean time between failure (MTBF) for the Mark I Anti-Skid system on the B-52 aircraft is 663 hours; the MTBF for the Mark IV Anti-Skid system on the B-52 aircraft will be assessed in the future.

This program has associated Research, Development, Test & Evaluation (RDT&E) funding in PE 0101113F.

The Anti-Skid replacement program is a joint effort between Ogden Air Logistics Complex (OO-ALC) and Oklahoma City Air Logistics Complex (OC-ALC) to develop and install a new system. This effort includes an upgrade of the maintenance trainers.

Milestone/Development Status

Development began in FY10. Developmental test ground and flight testing completed in January 2014, with initial evaluation being the Mark IV system operates as well as or better than the Current Mark I system. Test reporting is under evaluation, and a final test report is expected in March 2014. Milestone C is on track for April 2014.

| Secondary Distribution | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
|-------------------------------|----------------|----------------|---------------------|--------------------|----------------------|
| AF Quantity | - | - | - | - | - |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | Date: March 2014 |
|---|-------------------------|

| | | |
|---|---|--|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1 | P-1 Line Item Number / Title: B05200 / B-52 | Modification Number / Title: 3265 / B-52 Anti-Skid Replacement |
|---|---|--|

| | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
|-------------------------------|-----------------------------------|---------|--------------|-----------------|----------------|------------------|
| Secondary Distribution | | | | | | |
| | Total Obligation Authority | - | 3.981 | 2.681 | - | 2.681 |
| AFR | Quantity | - | - | - | - | - |
| | Total Obligation Authority | - | 0.656 | 3.198 | - | 3.198 |
| Total: | Quantity | - | - | - | - | - |
| Secondary Distribution | Total Obligation Authority | - | 4.637 | 5.879 | - | 5.879 |

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|---|-----------------------------------|-----------------------------------|---|-----------------------------------|-----------------------------------|--|--|--|
| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | Date: March 2014 | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1 | | | P-1 Line Item Number / Title: B05200 / B-52 | | | Modification Number / Title: 3265 / B-52 Anti-Skid Replacement | | |
| Models of Systems Affected: B-52H | | | Modification Type: Reliability & Maintainability | | | Related RDT&E PEs: 0101113F | | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | | |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | | |
| RDT&E PE # | | | | | | | | |
| 0101113F | 2 / 19.866 | - / 0.751 | - / - | - / - | - / - | - / - | | |
| Procurement | | | | | | | | |
| <i>Modification Item 1 of 1: Anti Skid Kit</i> | | | | | | | | |
| A Kits | | | | | | | | |
| Recurring | | | | | | | | |
| Anti Skid Kit:INSTALL KITS Group A (Active) | - / - | - / - | 12 / 0.764 | 9 / 0.583 | - / - | 9 / 0.583 | | |
| Anti Skid Kit:INSTALL KITS Group A (Reserve) | - / - | - / - | 3 / 0.191 | 14 / 0.908 | - / - | 14 / 0.908 | | |
| <i>Subtotal: Recurring</i> | - / - | - / - | - / 0.955 | - / 1.491 | - / - | - / 1.491 | | |
| B Kits | | | | | | | | |
| Recurring | | | | | | | | |
| Anti Skid Kit:EQUIPMENT Group B (Active) | - / - | - / - | 12 / 1.860 | 9 / 1.421 | - / - | 9 / 1.421 | | |
| Anti Skid Kit:EQUIPMENT Group B (Reserve) | - / - | - / - | 3 / 0.465 | 14 / 2.210 | - / - | 14 / 2.210 | | |
| <i>Subtotal: Recurring</i> | - / - | - / - | - / 2.325 | - / 3.631 | - / - | - / 3.631 | | |
| <i>Subtotal: Anti Skid Kit</i> | - / - | - / - | - / 3.280 | - / 5.122 | - / - | - / 5.122 | | |
| <i>Subtotal: Procurement, All Modification Items</i> | - / - | - / - | - / 3.280 | - / 5.122 | - / - | - / 5.122 | | |
| Support (All Modification Items) | | | | | | | | |
| Change Orders | - / - | - / - | - / 0.361 | - / 0.224 | - / - | - / 0.224 | | |
| Data | - / - | - / - | - / 0.110 | - / 0.102 | - / - | - / 0.102 | | |
| SIM/TRAINER | - / - | - / - | - / 0.357 | - / - | - / - | - / - | | |
| SUPPORT-EQUIP | - / - | - / - | - / 0.189 | - / - | - / - | - / - | | |
| PMA - Other Gov't Costs | - / - | - / - | - / 0.340 | - / 0.031 | - / - | - / 0.031 | | |
| <i>Subtotal: Support</i> | - / - | - / - | - / 1.357 | - / 0.357 | - / - | - / 0.357 | | |
| Installation | | | | | | | | |
| <i>Modification Item 1 of 1: Anti Skid Kit</i> | - / - | - / - | - / - | 15 / 0.400 | - / - | 15 / 0.400 | | |
| <i>Subtotal: Installation</i> | - / - | - / - | - / - | 15 / 0.400 | - / - | 15 / 0.400 | | |
| Total | | | | | | | | |
| Total Cost (Procurement + Support + Installation) | - | - | 4.637 | 5.879 | - | 5.879 | | |

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Exhibit P-3a, Individual Modification: PB 2015 Air Force **Date:** March 2014

| | | |
|---|---|--|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1 | P-1 Line Item Number / Title: B05200 / B-52 | Modification Number / Title: 3265 / B-52 Anti-Skid Replacement |
|---|---|--|

| | | |
|------------------------------------|---|--|
| Models of Systems Affected: | Modification Type: Reliability & Maintainability | Related RDT&E PEs: 0101113F |
|------------------------------------|---|--|

| Secondary Distribution | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|--|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Procurement | | | | | | | | | |
| <i>Modification Item 1 of 1: Anti Skid Kit</i> | | | | | | | | | |
| AF | - / - | - / 2.624 | - / 2.004 | - / - | - / 2.004 | - / - | - / - | - / - | - / - |
| AFR | - / - | - / 0.656 | - / 3.118 | - / - | - / 3.118 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Anti Skid Kit Secondary Distribution</i> | - / - | - / 3.280 | - / 5.122 | - / - | - / 5.122 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Procurement, All Modification Items</i> | - / - | - / 3.280 | - / 5.122 | - / - | - / 5.122 | - / - | - / - | - / - | - / - |
| Support | | | | | | | | | |
| AF | - / - | - / 1.357 | - / 0.357 | - / - | - / 0.357 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Support</i> | - / - | - / 1.357 | - / 0.357 | - / - | - / 0.357 | - / - | - / - | - / - | - / - |
| Installation | | | | | | | | | |
| <i>Modification Item 1 of 1: Anti Skid Kit</i> | | | | | | | | | |
| <i>Contract Field Team</i> | | | | | | | | | |
| AF | - / - | - / - | 12 / 0.320 | - / - | 12 / 0.320 | - / - | - / - | - / - | - / - |
| AFR | - / - | - / - | 3 / 0.080 | - / - | 3 / 0.080 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Contract Field Team</i> | - / - | - / - | 15 / 0.400 | - / - | 15 / 0.400 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Anti Skid Kit</i> | - / - | - / - | 15 / 0.400 | - / - | 15 / 0.400 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Installation</i> | - / - | - / - | 15 / 0.400 | - / - | 15 / 0.400 | - / - | - / - | - / - | - / - |
| Total | | | | | | | | | |
| Total: Secondary Distribution, All Modification Items | - / - | - / 4.637 | - / 5.879 | - / - | - / 5.879 | - / - | - / - | - / - | - / - |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1 | P-1 Line Item Number / Title: B05200 / B-52 | Modification Number / Title: 3265 / B-52 Anti-Skid Replacement |

Modification Item 1 of 1: Anti Skid Kit

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Crane Hydro Aire Group B Manufacturer Location: Burbank, CA

Administrative Leadtime (in Months): 2 Production Leadtime (in Months): 8

| Dates | FY 2013 | FY 2014 | FY 2015 |
|----------------|---------|----------|----------|
| Contract Dates | | Jun 2014 | Jun 2015 |
| Delivery Dates | | Feb 2015 | Feb 2016 |

Installation Information

Method of Implementation: Contract Field Team

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
|------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2013 | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | - / - | 15 / 0.400 | - / - | 15 / 0.400 |
| Secondary Distribution - AF | - / - | - / - | - / - | 12 / 0.320 | - / - | 12 / 0.320 |
| Secondary Distribution - AFR | - / - | - / - | - / - | 3 / 0.080 | - / - | 3 / 0.080 |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | - / - | - / - | - / - | 15 / 0.400 | - / - | 15 / 0.400 |
| Secondary Distribution - AF | - / - | - / - | - / - | 12 / 0.320 | - / - | 12 / 0.320 |
| Secondary Distribution - AFR | - / - | - / - | - / - | 3 / 0.080 | - / - | 3 / 0.080 |

Installation Schedule

| | PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 |
| In | 0 | - | - | - | - | - | - | - | - | - | 5 | 5 | 5 |
| Out | 0 | - | - | - | - | - | - | - | - | - | 5 | 5 | 5 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1 | P-1 Line Item Number / Title: B05200 / B-52 | Modification Number / Title: 3310 / B-52 Combat Network Communications Technology |

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total |
|---|--------------------|----------------|----------------|---------------------|---------------------|----------------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 0.000 | - | 74.221 | 153.778 | - | 153.778 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - |
| Net Procurement (P1) (<i>\$ in Millions</i>) | 0.000 | - | 74.221 | 153.778 | - | 153.778 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 0.000 | - | 74.221 | 153.778 | - | 153.778 |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> | | | | | | |
| Initial Spares (<i>\$ in Millions</i>) | - | - | 2.226 | 5.966 | - | 5.966 |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

The B-52 Combat Network Communication Technology (CONNECT) acquisition program supports nuclear and conventional operations by upgrading the B-52 fleet with data link and voice communications capabilities along with improved threat and situational awareness to support participation in network centric operations. The CONNECT upgrade installs new multi-functional color displays (MFCDs) and a digital interphone system, which will survive and function through the nuclear environment to enhance crew interaction and situational awareness. To enable net centric operations, the CONNECT upgrade installs on-board client/server architecture supporting distributed processing with independent control functions; UHF Beyond Line-Of-Sight (BLOS) Joint Range Extension (JRE) capability via ARC-210 Warrior radio to exchange J-Series messaging within theater; Intelligence Broadcast Receiver; limited Internet Protocol (IP)-based UHF BLOS link supporting voice, email, and file transfers; and Improved Data Modem (IDM)-based digital Variable Message Format (VMF) data-link to significantly enhance close air support (CAS) missions. This integrated suite provides the B-52 fleet with a machine-to-machine capability supporting aircraft re-tasking and re-targeting of Conventional Air Launched Cruise Missile (CALCM) and J-series weapons across the range of military operations the B-52 is assigned. The B-52 training devices will be upgraded with the CONNECT functionality. This requirement was validated by the Air Force Requirements for Operational Capabilities Council (AFROCC) via a signed Capability Production Document (CPD) in September 2008.

This CONNECT modification includes procurement of aircraft kits that will be installed in conjunction with Programmed Depot Maintenance (PDM). Ground station mission planning hardware, support equipment, and initial spares will be procured. Additional initial support/readiness efforts include development and upgrade of B-52 training devices with CONNECT functionality, implementation of interim contractor support and stand-up of organic depot capability.

The change order line includes, but is not limited to, Diminishing Manufacturing Sources (DMS) costs to maintain the production configuration through the identification, review and monitoring of items with high obsolescence risk potential, classification of identified items according to criticality, identification of alternatives and implementation of resolutions. Resolutions may include non-recurring engineering (NRE) and/or replacement costs for DMS components, bridge buys of DMS components until NRE can be completed or Life of Type buys, whichever is most appropriate. Government Furnished Property (GFP) are the items that are part of the kit, but are procured by the government, directly through government supply or from other government agencies. Specifically, the GFP includes the CONNECT ARC-210 Warrior Radio, High Power Amplifier, Low Noise Amplifier (LNA) Diplexer, and KY-100. These items are provided directly to PDM.

This program has associated Research Development Test and Evaluation (RDT&E) funding in PE 0101113F.

NOTE: This program is based on a Total Aircraft Inventory of 76 B-52Hs. This project procures 74 kits and installs 75 kits. Two kits were procured previously in 2007 under the EMD contract to support developmental testing. Only one kit was installed on the flight test aircraft to complete developmental testing. The excess EMD kit was re-designated for a kit-proof kit, and will be installed in FY13/FY14 during PDM.

Milestone/Development Status

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1 | P-1 Line Item Number / Title: B05200 / B-52 | Modification Number / Title: 3310 / B-52 Combat Network Communications Technology |

Development began in FY05. CONECT Initial Operational Test & Evaluation (IOT&E) flight test completed November 2011. The Low Rate Initial Production (LRIP) Lot 1 contract awarded in May 2013. The LRIP Lot 2 contract award is on track for May 2014.

NOTE: The Test Jet 036 had CONECT installed during development. The kitproof jet is due to complete CONECT installation in Apr 14. The kitproof kit was procured under development.

| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
|--|-----------------------------------|----------------|----------------|-------------------------|------------------------|--------------------------|
| AF | Quantity | - | - | - | - | - |
| | Total Obligation Authority | - | 66.901 | 141.460 | - | 141.460 |
| AFR | Quantity | - | - | - | - | - |
| | Total Obligation Authority | - | 7.320 | 12.318 | - | 12.318 |
| Total: Secondary Distribution | Quantity | - | - | - | - | - |
| | Total Obligation Authority | - | 74.221 | 153.778 | - | 153.778 |

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|---|-----------------------------------|--|---|-----------------------------------|--|-----------------------------------|
| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | Date: March 2014 | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1 | | | P-1 Line Item Number / Title: B05200 / B-52 | | Modification Number / Title: 3310 / B-52 Combat Network Communications Technology | |
| Models of Systems Affected: B-52H | | Modification Type: Capability Improvement | | | Related RDT&E PEs: 0101113F | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| RDT&E PE # | | | | | | |
| 0101113F | 2 / 286.965 | - / - | - / 12.634 | - / 14.500 | - / - | - / 14.500 |
| Procurement | | | | | | |
| <i>Modification Item 1 of 1: CONECT Kit</i> | | | | | | |
| A Kits | | | | | | |
| Recurring | | | | | | |
| CONECT Kit:INSTALL KITS Group A (Active) | 8 / 0.000 | - / - | 8 / 8.160 | 14 / 14.406 | - / - | 14 / 14.406 |
| CONECT Kit:INSTALL KITS Group A (Reserve) | - / - | - / - | 2 / 2.040 | 3 / 3.087 | - / - | 3 / 3.087 |
| <i>Subtotal: Recurring</i> | <i>- / 0.000</i> | <i>- / -</i> | <i>- / 10.200</i> | <i>- / 17.493</i> | <i>- / -</i> | <i>- / 17.493</i> |
| B Kits | | | | | | |
| Recurring | | | | | | |
| CONECT Kit:EQUIPMENT Group B (Active) | 8 / 0.000 | - / - | 8 / 21.120 | 14 / 35.406 | - / - | 14 / 35.406 |
| CONECT Kit:EQUIPMENT Group B (Reserve) | - / - | - / - | 2 / 5.280 | 3 / 7.587 | - / - | 3 / 7.587 |
| <i>Subtotal: Recurring</i> | <i>- / 0.000</i> | <i>- / -</i> | <i>- / 26.400</i> | <i>- / 42.993</i> | <i>- / -</i> | <i>- / 42.993</i> |
| <i>Subtotal: CONECT Kit</i> | <i>- / 0.000</i> | <i>- / -</i> | <i>- / 36.600</i> | <i>- / 60.486</i> | <i>- / -</i> | <i>- / 60.486</i> |
| <i>Subtotal: Procurement, All Modification Items</i> | <i>- / 0.000</i> | <i>- / -</i> | <i>- / 36.600</i> | <i>- / 60.486</i> | <i>- / -</i> | <i>- / 60.486</i> |
| Support (All Modification Items) | | | | | | |
| GROUP B: TOTAL NONRECURRING | - / - | - / - | - / 13.200 | - / 20.544 | - / - | - / 20.544 |
| Change Orders | - / - | - / - | - / 5.121 | - / 11.600 | - / - | - / 11.600 |
| Data | - / - | - / - | - / 4.900 | - / 16.580 | - / - | - / 16.580 |
| SUPPORT-EQUIP | - / - | - / - | - / - | - / 11.391 | - / - | - / 11.391 |
| OTHER GOVT | - / - | - / - | - / 7.850 | - / 8.500 | - / - | - / 8.500 |
| GFP | - / - | - / - | - / - | - / 3.237 | - / - | - / 3.237 |
| PMA - Other Gov't Costs | - / - | - / - | - / 1.800 | - / 5.000 | - / - | - / 5.000 |
| <i>Subtotal: Support</i> | <i>- / -</i> | <i>- / -</i> | <i>- / 32.871</i> | <i>- / 76.852</i> | <i>- / -</i> | <i>- / 76.852</i> |
| Installation | | | | | | |
| <i>Modification Item 1 of 1: CONECT Kit</i> | <i>- / -</i> | <i>1 / -</i> | <i>2 / 4.750</i> | <i>10 / 16.440</i> | <i>- / -</i> | <i>10 / 16.440</i> |
| <i>Subtotal: Installation</i> | <i>- / -</i> | <i>1 / -</i> | <i>2 / 4.750</i> | <i>10 / 16.440</i> | <i>- / -</i> | <i>10 / 16.440</i> |
| Total | | | | | | |
| Total Cost (Procurement + Support + Installation) | 0.000 | - | 74.221 | 153.778 | - | 153.778 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1 | P-1 Line Item Number / Title: B05200 / B-52 | Modification Number / Title: 3310 / B-52 Combat Network Communications Technology |

| | | |
|------------------------------------|--|--|
| Models of Systems Affected: | Modification Type: Capability Improvement | Related RDT&E PEs: 0101113F |
|------------------------------------|--|--|

| Secondary Distribution | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|--|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Procurement | | | | | | | | | |
| <i>Modification Item 1 of 1:</i> CONECT Kit | | | | | | | | | |
| AF | - / - | - / 29.280 | - / 49.812 | - / - | - / 49.812 | - / - | - / - | - / - | - / - |
| AFR | - / - | - / 17.320 | - / 10.674 | - / - | - / 10.674 | - / - | - / - | - / - | - / - |
| <i>Subtotal: CONECT Kit Secondary Distribution</i> | <i>- / -</i> | <i>- / 36.600</i> | <i>- / 60.486</i> | <i>- / -</i> | <i>- / 60.486</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> |
| <i>Subtotal: Procurement, All Modification Items</i> | <i>- / -</i> | <i>- / 36.600</i> | <i>- / 60.486</i> | <i>- / -</i> | <i>- / 60.486</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> |
| Support | | | | | | | | | |
| AF | - / - | - / 32.871 | - / 76.852 | - / - | - / 76.852 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Support</i> | <i>- / -</i> | <i>- / 32.871</i> | <i>- / 76.852</i> | <i>- / -</i> | <i>- / 76.852</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> |
| Installation | | | | | | | | | |
| <i>Modification Item 1 of 1:</i> CONECT Kit | | | | | | | | | |
| Depot | | | | | | | | | |
| AF | 1 / - | 2 / 4.750 | 9 / 14.796 | - / - | 9 / 14.796 | - / - | - / - | - / - | - / - |
| AFR | - / - | - / - | 1 / 1.644 | - / - | 1 / 1.644 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Depot</i> | <i>1 / -</i> | <i>2 / 4.750</i> | <i>10 / 16.440</i> | <i>- / -</i> | <i>10 / 16.440</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> |
| <i>Subtotal: CONECT Kit</i> | <i>1 / -</i> | <i>2 / 4.750</i> | <i>10 / 16.440</i> | <i>- / -</i> | <i>10 / 16.440</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> |
| <i>Subtotal: Installation</i> | <i>1 / -</i> | <i>2 / 4.750</i> | <i>10 / 16.440</i> | <i>- / -</i> | <i>10 / 16.440</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> |
| Total | | | | | | | | | |
| Total: Secondary Distribution, All Modification Items | - / - | - / 74.221 | - / 153.778 | - / - | - / 153.778 | - / - | - / - | - / - | - / - |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1 | P-1 Line Item Number / Title: B05200 / B-52 | Modification Number / Title: 3310 / B-52 Combat Network Communications Technology |

Modification Item 1 of 1: CONECT Kit

Modification Item MDAP/MAIS Code:

Manufacturer Information

| | |
|--|--|
| Manufacturer Name: Boeing | Manufacturer Location: Oklahoma City, OK |
| Administrative Leadtime (in Months): 5 | Production Leadtime (in Months): 9 |

| Dates | FY 2013 | FY 2014 | FY 2015 |
|----------------|---------|----------|----------|
| Contract Dates | | May 2014 | May 2015 |
| Delivery Dates | | Feb 2015 | Feb 2016 |

Installation Information

Method of Implementation: Depot

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
|------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | - / - | 1 / 0.000 | 2 / 4.750 | 6 / 9.864 | - / - | 6 / 9.864 |
| Secondary Distribution - AF | - / - | 1 / 0.000 | 2 / 4.750 | 6 / 9.864 | - / - | 6 / 9.864 |
| FY 2013 | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | - / - | 4 / 6.576 | - / - | 4 / 6.576 |
| Secondary Distribution - AF | - / - | - / - | - / - | 3 / 4.932 | - / - | 3 / 4.932 |
| Secondary Distribution - AFR | - / - | - / - | - / - | 1 / 1.644 | - / - | 1 / 1.644 |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | - / - | 1 / - | 2 / 4.750 | 10 / 16.440 | - / - | 10 / 16.440 |
| Secondary Distribution - AF | - / - | 1 / - | 2 / 4.750 | 9 / 14.796 | - / - | 9 / 14.796 |
| Secondary Distribution - AFR | - / - | - / - | - / - | 1 / 1.644 | - / - | 1 / 1.644 |

Installation Schedule

| | PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 |
| In | 0 | - | - | - | 1 | - | - | - | 2 | 2 | 3 | 1 | 4 |
| Out | 0 | - | - | - | - | - | - | 1 | - | - | - | 2 | 2 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | Date: March 2014 | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1 | | | P-1 Line Item Number / Title: B05200 / B-52 | | Modification Number / Title: 6884 / B-52 Internal Weapons Bay Upgrade | | |
| Resource Summary | | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total |
| Procurement Quantity (<i>Units in Each</i>) | | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | | - | - | - | 6.724 | - | 6.724 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | | - | - | - | - | - | - |
| Net Procurement (P1) (<i>\$ in Millions</i>) | | - | - | - | 6.724 | - | 6.724 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | | - | - | - | 6.724 | - | 6.724 |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> | | | | | | | |
| Initial Spares (<i>\$ in Millions</i>) | | - | - | - | 0.449 | - | 0.449 |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

This modification integrates MIL-STD-1760 into the Internal Weapons Bay on 78 B-52H aircraft, which includes two Ground Instructional Training Aircraft (GITA). This project utilizes 44 Common Strategic Rotary Launchers (CSRLs) converted into Conventional Rotary Launchers (CRLs), where three of the CRLs will be modified under Engineering, Manufacturing, and Development (EMD) for test purposes. This project includes associated changes to training and support equipment, auxiliary mission equipment (rotary launchers) technical data, and procurement of initial spares. An incremental acquisition strategy is being employed for this modification due to technical maturity. Increment 1.0 adds internal carriage for eight weapons and consists of two sub increments 1.1 and 1.2. This requirement was validated by the Air Force Requirements for Operational Capabilities Council (AFROCC), with a signed Capability Development Document (CDD) in June 2013.

This program has associated Research Development Test and Evaluation (RDT&E) funding in PE 0101113F.

Increment 1.1

Increment 1.1 consists of internal carriage of eight Joint Direct Attack Munitions (JDAM) and variants, to include Laser JDAM (LJDAM), on a rotary launcher. Additionally, this increment develops the capability for external carriage for 16 LJDAM. The CRL Hardware modification consists of Group A (equipment racks and electrical wiring) and Group B (one Survivability/Vulnerability (SV) junction box and one Integrated Weapons Interface Unit (IWIU) per CRL). The IWIU Line Replaceable Unit (LRU) was previously developed under the Advanced Weapons Integration (AWI) project. Preliminary integration activities work was previously accomplished during a 2005 demonstration and developed using 2006 and 2007 Congressional Add funding. No CSRL replacements will be required as a result of this program.

Aircraft Hardware Modification: None

Software Modification: Consists of installation of aircraft Operational Flight Program (OFP) software, JDAM Stores Management Overlays (SMO) and ground based Joint Mission Planning System (JMPS).

CRL Hardware Modification: Consists of Group A (equipment racks and electrical wiring) and Group B (one SV junction box and one IWIU per CRL).

Support Equipment: Procurement of rotary launcher cable adapters sets for all 38 Multi-Use System Tester Armament Next Generation (MUSTANG) testers to interface with the CRL.

Increment 1.2

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1 | P-1 Line Item Number / Title: B05200 / B-52 | Modification Number / Title: 6884 / B-52 Internal Weapons Bay Upgrade |

Increment 1.2 develops the capability for internal carriage of eight Joint Air-to-Surface Standoff Missiles (JASSM) and its variants, to include JASSM-Extended Range (JASSM-ER), and eight Miniature Air Launched Decoys (MALD) and its variants, to include MALD Jammer (MALD-J). This increment also develops the capability for external carriage for 12 JASSM-ER.

Aircraft Hardware Modification: Consists of installation of Group A wiring and circuit breakers to supply additional power to the CRL for all B-52H (78) aircraft.

Software Modification: Consists of installation of aircraft and weapon software updates to allow for internal and external carriage.

CRL Hardware Modification: Production of Group A associated interface hardware and two Group B LRUs (one power supply and one power distribution box).

Support Equipment: Procurement of 12 Rotary Launcher Loading Adapters, 41 Rotary Launcher Maintenance Stands and 12 Transport Rotary Launcher Adapters and modification of all 38 MUSTANG testers.

Aircraft Breakdown Description: In FY15, Increment 1.1 will modify six CSRLs to CRLs and install software into all 78 B-52H aircraft. For the overall program, Total Funded (119) includes the 41 modified CRLs and the 78 modified B-52H aircraft, which includes two GITA aircraft. The three CRLs funded during EMD are not included in this total.

Milestone/Development Status

Development began in FY11. For Increment 1.1, Preliminary Design Review (PDR) occurred in February 2013. The EMD contract was awarded in September 2013, which will produce three CRLs for test purposes. Critical Design Review (CDR) occurred in October 2013. Increment 1.1 developmental flight testing is scheduled for February 2015 to May 2015.

| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
|--------------------------------------|-----------------------------------|----------------|----------------|---------------------|--------------------|----------------------|
| AF | Quantity | - | - | - | - | - |
| | Total Obligation Authority | - | - | 6.724 | - | 6.724 |
| Total: Secondary Distribution | Quantity | - | - | - | - | - |
| | Total Obligation Authority | - | - | 6.724 | - | 6.724 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | Date: March 2014 | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1 | | | P-1 Line Item Number / Title: B05200 / B-52 | | Modification Number / Title: 6884 / B-52 Internal Weapons Bay Upgrade | |
| Models of Systems Affected: B-52H | | Modification Type: Capability Improvement | | | Related RDT&E PEs: 0101113F | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| RDT&E PE # | | | | | | |
| 0101113F | - / 50.322 | 3 / 15.659 | - / 4.373 | - / 41.134 | - / - | - / 41.134 |
| Procurement | | | | | | |
| Modification Item 1 of 1: 1760 | | | | | | |
| A Kits | | | | | | |
| Recurring | | | | | | |
| 1760:INSTALL KITS Group A (Active) | - / - | - / - | - / - | 6 / 2.993 | - / - | 6 / 2.993 |
| <i>Subtotal: Recurring</i> | - / - | - / - | - / - | - / 2.993 | - / - | - / 2.993 |
| B Kits | | | | | | |
| Recurring | | | | | | |
| 1760:EQUIPMENT Group B (Active) | - / - | - / - | - / - | 6 / 0.296 | - / - | 6 / 0.296 |
| <i>Subtotal: Recurring</i> | - / - | - / - | - / - | - / 0.296 | - / - | - / 0.296 |
| <i>Subtotal: 1760</i> | - / - | - / - | - / - | - / 3.289 | - / - | - / 3.289 |
| <i>Subtotal: Procurement, All Modification Items</i> | - / - | - / - | - / - | - / 3.289 | - / - | - / 3.289 |
| Support (All Modification Items) | | | | | | |
| Change Orders | - / - | - / - | - / - | - / 0.628 | - / - | - / 0.628 |
| Data | - / - | - / - | - / - | - / 0.231 | - / - | - / 0.231 |
| SUPPORT-EQUIP | - / - | - / - | - / - | - / 0.101 | - / - | - / 0.101 |
| PMA - Other Gov't Costs | - / - | - / - | - / - | - / 0.514 | - / - | - / 0.514 |
| <i>Subtotal: Support</i> | - / - | - / - | - / - | - / 1.474 | - / - | - / 1.474 |
| Installation | | | | | | |
| Modification Item 1 of 1: 1760 | - / - | - / - | - / - | 6 / 1.961 | - / - | 6 / 1.961 |
| <i>Subtotal: Installation</i> | - / - | - / - | - / - | 6 / 1.961 | - / - | 6 / 1.961 |
| Total | | | | | | |
| Total Cost (Procurement + Support + Installation) | - | - | - | 6.724 | - | 6.724 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | Date: March 2014 | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1 | | | P-1 Line Item Number / Title: B05200 / B-52 | | | Modification Number / Title: 6884 / B-52 Internal Weapons Bay Upgrade | | | | |
| Models of Systems Affected: | | Modification Type: Capability Improvement | | Related RDT&E PEs: 0101113F | | | | | | |
| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
| | | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Procurement | | | | | | | | | | |
| Modification Item 1 of 1: 1760 | | | | | | | | | | |
| AF | | - / - | - / - | - / 3.289 | - / - | - / 3.289 | - / - | - / - | - / - | - / - |
| <i>Subtotal: 1760 Secondary Distribution</i> | | - / - | - / - | - / 3.289 | - / - | - / 3.289 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Procurement, All Modification Items</i> | | - / - | - / - | - / 3.289 | - / - | - / 3.289 | - / - | - / - | - / - | - / - |
| Support | | | | | | | | | | |
| AF | | - / - | - / - | - / 1.474 | - / - | - / 1.474 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Support</i> | | - / - | - / - | - / 1.474 | - / - | - / 1.474 | - / - | - / - | - / - | - / - |
| Installation | | | | | | | | | | |
| Modification Item 1 of 1: 1760 | | | | | | | | | | |
| Contract Field Team | | | | | | | | | | |
| AF | | - / - | - / - | 6 / 1.961 | - / - | 6 / 1.961 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Contract Field Team</i> | | - / - | - / - | 6 / 1.961 | - / - | 6 / 1.961 | - / - | - / - | - / - | - / - |
| <i>Subtotal: 1760</i> | | - / - | - / - | 6 / 1.961 | - / - | 6 / 1.961 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Installation</i> | | - / - | - / - | 6 / 1.961 | - / - | 6 / 1.961 | - / - | - / - | - / - | - / - |
| Total | | | | | | | | | | |
| Total: Secondary Distribution, All Modification Items | | - / - | - / - | - / 6.724 | - / - | - / 6.724 | - / - | - / - | - / - | - / - |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1 | P-1 Line Item Number / Title: B05200 / B-52 | Modification Number / Title: 6884 / B-52 Internal Weapons Bay Upgrade |

Modification Item 1 of 1: 1760
Modification Item MDAP/MAIS Code:

| Manufacturer Information | | | |
|--|---------|--|----------|
| Manufacturer Name: Boeing | | Manufacturer Location: Oklahoma City, OK | |
| Administrative Leadtime (in Months): 5 | | Production Leadtime (in Months): 6 | |
| Dates | FY 2013 | FY 2014 | FY 2015 |
| Contract Dates | | | Mar 2015 |
| Delivery Dates | | | Sep 2015 |

Installation Information

Method of Implementation: Contract Field Team

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
|-----------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2013 | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2015 | - / - | - / - | - / - | 6 / 1.961 | - / - | 6 / 1.961 |
| Secondary Distribution - AF | - / - | - / - | - / - | 6 / 1.961 | - / - | 6 / 1.961 |
| Total | - / - | - / - | - / - | 6 / 1.961 | - / - | 6 / 1.961 |
| Secondary Distribution - AF | - / - | - / - | - / - | 6 / 1.961 | - / - | 6 / 1.961 |

Installation Schedule

| | PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | | |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | |
| In | 0 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 |
| Out | 0 | - | - | - | - | - | - | - | - | - | - | - | 1 | 5 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | Date: March 2014 | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1 | | P-1 Line Item Number / Title: B05200 / B-52 | | Modification Number / Title: 9709 / B-52 Mode S/5 | | |

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total |
|---|--------------------|----------------|----------------|---------------------|---------------------|----------------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | - | - | 9.590 | 10.626 | - | 10.626 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - |
| Net Procurement (P1) (<i>\$ in Millions</i>) | - | - | 9.590 | 10.626 | - | 10.626 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | - | - | 9.590 | 10.626 | - | 10.626 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | |
|---|---|---|-------|-------|---|-------|
| Initial Spares (<i>\$ in Millions</i>) | - | - | 0.143 | 0.896 | - | 0.896 |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

The B-52's overarching Communication Navigation & Surveillance/Air Traffic Management (CNS/ATM) effort will develop and integrate modern technologies to enable the aircraft to operate in the evolving air traffic environment. The requirement for these updated technologies is driven by the International Civil Aviation Organization (ICAO) and Federal Aviation Administration (FAA) mandates. Aircraft not equipped with appropriate capabilities will not be able to operate in airspace where new separation standards and air traffic management procedures are implemented. An additional benefit is the significant fuel savings that will result in being able to fly at optimum and more efficient routes and altitudes. DoD mandates Joint Requirements Oversight Council Memorandum (JROCM) 047-07 (signed March 2007) and JROCM 122-08 (signed June 2008) dictate replacement of the B-52's APX-64 IFF (Identification, Friend or Foe) Transponder with a modern Mode S/5 transponder. This effort will integrate modern IFF technology into the B-52 by replacing the current system with the APX-119 Transponder. This requirement was validated by Air Force Form 1067, signed in November 2011.

The integration of the APX-119 Transponder could leverage capabilities to include future integration of the Automatic Dependent Surveillance - Broadcast (ADS-B) capability required for operations in European airspace by 2015 and CONUS by 2020.

This program has associated Research, Development, Test & Evaluation (RDT&E) funding in PE 0101113F.

RDT&E funds provided four Mode S/5 IFF kits which were used as follows: one kit has been installed on a developmental test aircraft at Edwards AFB CA for the completion of Developmental Test (DT), a second kit will be installed on an operational test aircraft assigned to Barksdale AFB LA for the completion of kitproof/Operational Test, and the third kit is a backup transponder used for mitigation of testing efforts and will ultimately be utilized as the Avionics Software Integration Facility (ASIF) SIL at Tinker AFB, OK. The fourth kit is being utilized at the SIL at Boeing Defense, Space and Security (DSS). This leaves 74 aircraft installs to be covered under the Aircraft Modification cost element to complete the total of 76 B-52 aircraft. The Air Force budget is based on a Total Aircraft Inventory (TAI) of 76.

Installations on this P3A extend into FY17, and Procurement funding for Mode S/5 IFF concludes in FY16. The original program plan was for installations to conclude by FY16, but as the Mode S/5 IFF design has matured and estimated installation hours have increased, the installation schedule had to be balanced with Air Force Global Strike Command's Aircraft Availability Plan. As a result, installs are reflected in FY15- FY17. FY15 funding will be utilized to fund installations of 35 Active; FY16 funding will be used for installations of both 21 Active and 18 Reserve. The APX-119 Transponder (Group B equipment) is a long lead transponder that has a one year production lead time. In November 2013, the Milestone Decision Authority (MDA) granted permission to buy the long lead Lot 1 APX-119 Transponder to meet projected milestone dates.

Milestone/Development Status

Developmental activities began in FY11. Preliminary Design Review (PDR) was accomplished in July 2012, and Critical Design Review (CDR) was accomplished in November 2012. Combined Developmental Test (DT) and Initial Operational Test & Evaluation (IOT&E) completed in October 2013. The DT test report was delivered January 2014. The Operational Test Community is expected to deliver the final fielding analysis by March/April 2014. Milestone C is on track for May 2014.

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1 | P-1 Line Item Number / Title: B05200 / B-52 | Modification Number / Title: 9709 / B-52 Mode S/5 |

| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
|-------------------------------|-----------------------------------|----------------|----------------|-------------------------|------------------------|--------------------------|
| AF | Quantity | - | - | - | - | - |
| | Total Obligation Authority | - | 9.590 | 7.286 | - | 7.286 |
| AFR | Quantity | - | - | - | - | - |
| | Total Obligation Authority | - | - | 3.340 | - | 3.340 |
| Total: | Quantity | - | - | - | - | - |
| Secondary Distribution | Total Obligation Authority | - | 9.590 | 10.626 | - | 10.626 |

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|---|-----------------------------------|--|---|-----------------------------------|---|-----------------------------------|
| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | Date: March 2014 | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1 | | | P-1 Line Item Number / Title: B05200 / B-52 | | Modification Number / Title: 9709 / B-52 Mode S/5 | |
| Models of Systems Affected: B-52H | | Modification Type: Capability Improvement | | | Related RDT&E PEs: 0101113F | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| RDT&E PE # | | | | | | |
| 0101113F | 4 / 14.134 | 2 / 1.202 | - / - | - / - | - / - | - / - |
| Procurement | | | | | | |
| Modification Item 1 of 1: Mode S/5 Kit | | | | | | |
| A Kits | | | | | | |
| Recurring | | | | | | |
| Mode S/5 Kit:INSTALL KITS Group A (Active) | - / - | - / - | 35 / 4.188 | 21 / 1.719 | - / - | 21 / 1.719 |
| Mode S/5 Kit:INSTALL KITS Group A (Reserve) | - / - | - / - | - / - | 18 / 1.474 | - / - | 18 / 1.474 |
| Subtotal: Recurring | - / - | - / - | - / 4.188 | - / 3.193 | - / - | - / 3.193 |
| B Kits | | | | | | |
| Recurring | | | | | | |
| Mode S/5 Kit:EQUIPMENT Group B (Active) | - / - | - / - | 35 / 3.850 | 21 / 2.191 | - / - | 21 / 2.191 |
| Mode S/5 Kit:EQUIPMENT Group B (Reserve) | - / - | - / - | - / - | 18 / 1.866 | - / - | 18 / 1.866 |
| Subtotal: Recurring | - / - | - / - | - / 3.850 | - / 4.057 | - / - | - / 4.057 |
| Subtotal: Mode S/5 Kit | - / - | - / - | - / 8.038 | - / 7.250 | - / - | - / 7.250 |
| Subtotal: Procurement, All Modification Items | - / - | - / - | - / 8.038 | - / 7.250 | - / - | - / 7.250 |
| Support (All Modification Items) | | | | | | |
| GROUP A: TOTAL NONRECURRING | - / - | - / - | - / - | - / 0.767 | - / - | - / 0.767 |
| Change Orders | - / - | - / - | - / - | - / 0.026 | - / - | - / 0.026 |
| Data | - / - | - / - | - / 0.381 | - / 0.134 | - / - | - / 0.134 |
| SIM/TRAINER | - / - | - / - | 2 / 0.769 | - / - | - / - | - / - |
| OTHER GOVT | - / - | - / - | - / - | - / - | - / - | - / - |
| PMA - Contractor Services | - / - | - / - | - / 0.402 | - / 0.098 | - / - | - / 0.098 |
| Subtotal: Support | - / - | - / - | 2 / 1.552 | - / 1.025 | - / - | - / 1.025 |
| Installation | | | | | | |
| Modification Item 1 of 1: Mode S/5 Kit | - / - | - / - | - / - | 12 / 2.351 | - / - | 12 / 2.351 |
| Subtotal: Installation | - / - | - / - | - / - | 12 / 2.351 | - / - | 12 / 2.351 |
| Total | | | | | | |
| Total Cost (Procurement + Support + Installation) | - | - | 9.590 | 10.626 | - | 10.626 |

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|---|--|--|---|--|--------------------------------|---|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | Date: March 2014 | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1 | | | P-1 Line Item Number / Title: B05200 / B-52 | | | Modification Number / Title: 9709 / B-52 Mode S/5 | | | | |
| Models of Systems Affected: | | Modification Type: Capability Improvement | | Related RDT&E PEs: 0101113F | | | | | | |
| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
| | | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Procurement | | | | | | | | | | |
| Modification Item 1 of 1: Mode S/5 Kit | | | | | | | | | | |
| AF | | - / - | - / 8.038 | - / 3.910 | - / - | - / 3.910 | - / - | - / - | - / - | - / - |
| AFR | | - / - | - / - | - / 3.340 | - / - | - / 3.340 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Mode S/5 Kit Secondary Distribution</i> | | - / - | - / 8.038 | - / 7.250 | - / - | - / 7.250 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Procurement, All Modification Items</i> | | - / - | - / 8.038 | - / 7.250 | - / - | - / 7.250 | - / - | - / - | - / - | - / - |
| Support | | | | | | | | | | |
| AF | | - / - | 2 / 1.552 | - / 1.025 | - / - | - / 1.025 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Support</i> | | - / - | 2 / 1.552 | - / 1.025 | - / - | - / 1.025 | - / - | - / - | - / - | - / - |
| Installation | | | | | | | | | | |
| Modification Item 1 of 1: Mode S/5 Kit | | | | | | | | | | |
| <i>Contract Field Team</i> | | | | | | | | | | |
| AF | | - / - | - / - | 12 / 2.351 | - / - | 12 / 2.351 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Contract Field Team</i> | | - / - | - / - | 12 / 2.351 | - / - | 12 / 2.351 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Mode S/5 Kit</i> | | - / - | - / - | 12 / 2.351 | - / - | 12 / 2.351 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Installation</i> | | - / - | - / - | 12 / 2.351 | - / - | 12 / 2.351 | - / - | - / - | - / - | - / - |
| Total | | | | | | | | | | |
| Total: Secondary Distribution, All Modification Items | | - / - | - / 9.590 | - / 10.626 | - / - | - / 10.626 | - / - | - / - | - / - | - / - |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1 | P-1 Line Item Number / Title: B05200 / B-52 | Modification Number / Title: 9709 / B-52 Mode S/5 |

Modification Item 1 of 1: Mode S/5 Kit

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Raytheon Manufacturer Location: Waltham, MA

Administrative Leadtime (in Months): 3 Production Leadtime (in Months): 15

| Dates | FY 2013 | FY 2014 | FY 2015 |
|----------------|---------|----------|----------|
| Contract Dates | | Mar 2014 | Mar 2015 |
| Delivery Dates | | Jun 2015 | Jun 2016 |

Installation Information

Method of Implementation: Contract Field Team

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
|-----------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2013 | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | - / - | 12 / 2.351 | - / - | 12 / 2.351 |
| Secondary Distribution - AF | - / - | - / - | - / - | 12 / 2.351 | - / - | 12 / 2.351 |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | - / - | - / - | - / - | 12 / 2.351 | - / - | 12 / 2.351 |
| Secondary Distribution - AF | - / - | - / - | - / - | 12 / 2.351 | - / - | 12 / 2.351 |

Installation Schedule

| PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | | |
|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---|
| | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | |
| In | 0 | - | - | - | - | - | - | - | - | - | - | 3 | 9 |
| Out | 0 | - | - | - | - | - | - | - | - | - | - | 3 | 9 |

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

| | |
|--|--|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft | P-1 Line Item Number / Title: LAIRCM / Large Aircraft Infrared Countermeasures |
|--|--|

| | | |
|---|--|---|
| ID Code (A=Service Ready, B=Not Service Ready) : | Program Elements for Code B Items: 0401134F | Other Related Program Elements: 0401134F |
|---|--|---|

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|---|--------------|----------------|----------------|---------------|--------------|---------------|---------------|---------------|---------------|---------------|-------------|----------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 0.000 | 154.864 | 121.247 | 13.159 | - | 13.159 | 32.913 | 30.873 | 26.405 | 26.899 | - | 406.360 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (<i>\$ in Millions</i>) | 0.000 | 154.864 | 121.247 | 13.159 | - | 13.159 | 32.913 | 30.873 | 26.405 | 26.899 | - | 406.360 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 0.000 | 154.864 | 121.247 | 13.159 | - | 13.159 | 32.913 | 30.873 | 26.405 | 26.899 | - | 406.360 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial Spares (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Flyaway Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

The Large Aircraft Infrared Countermeasures (LAIRCM) system provides a significantly improved defensive capability for the Department of Defense to counter the proliferating infrared (IR) man-portable air defense systems (MANPADS) missile threats. This system is fully automatic following power-up and consists of Group A aircraft modification kits and Group B equipment. The LAIRCM system [AN/AQQ-24(V)] consists of Missile Warning Sensors (MWS), Guardian Laser Transmitter Assemblies (GLTA)/Small Laser Transmitter Assemblies (SLTA), a colorless eye-safe multiband laser, Control Indicator Unit (CIU), a system processor to detect, track and counter incoming IR missiles and repeaters as needed by the platform.

Enhancements and retrofits to the current configuration were planned for purchase and installation in FY08 and beyond. These enhancements include retrofits of the SLTA to a smaller, lighter GLTA. In addition, the current AAR-54 sensor will be replaced by a more effective infrared (IR) Next Generation Missile Warning Sensor (NexGen MWS). The LAIRCM system processor and CIU are also slated to be replaced with updated versions that address Diminishing Manufacturing Sources (DMS) and improve reliability.

Funding for this exhibit contained in PE 0401134F.

FY 13 funding is comprised of \$139.8M OCO and \$15M in baseline.

FY 14 Funding is comprised of \$94.0M OCO and \$27.7M in baseline.

| Secondary Distribution | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|----------------------------|---------|---------|--------------|-------------|---------------|---------|---------|---------|---------|
| AF | | | | | | | | | |
| Quantity | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority | 140.962 | 121.247 | 13.159 | - | 13.159 | - | - | - | - |

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 1: Strategic Aircraft

P-1 Line Item Number / Title:
LAIRCM / Large Aircraft Infrared Countermeasures

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0401134F **Other Related Program Elements:** 0401134F

| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|--|-----------------------------------|----------------|----------------|---------------|-------------|---------------|---------|---------|---------|---------|
| AFNG | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 9.268 | - | - | - | - | - | - | - | - |
| AFR | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 4.634 | - | - | - | - | - | - | - | - |
| Total: Secondary Distribution | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 154.864 | 121.247 | 13.159 | - | 13.159 | - | - | - | - |

| Exhibits Schedule | | Prior Years | | | FY 2013 | | | FY 2014 | | | FY 2015 Base | | | FY 2015 OCO | | | FY 2015 Total | | | |
|---|----------|-------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|
| Title* | Exhibits | ID CD | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 1 / LARGE AIRCRAFT INFRARED COUNTERMEASURES C-130 | P-40a*** | | - | - | - | - | - | 1.200 | - | - | - | - | - | - | - | - | - | - | - | - |
| Item - 2 / LARGE AIRCRAFT INFRARED COUNTERMEASURES C-130J | P-40a*** | | - | - | 0.000 | - | - | 27.534 | - | - | 71.497 | - | - | 4.535 | - | - | - | - | - | 4.535 |
| Item - 3 / LARGE AIRCRAFT INFRARED COUNTERMEASURES C-5 | P-40a*** | | - | - | 0.000 | - | - | 7.646 | - | - | 3.039 | - | - | 0.099 | - | - | - | - | - | 0.099 |
| Item - 4 / LARGE AIRCRAFT INFRARED COUNTERMEASURES HC/ MC-130 Recap | P-40a*** | | - | - | - | - | - | 46.100 | - | - | 31.000 | - | - | - | - | - | - | - | - | - |
| P-3a - 1 / LARGE AIRCRAFT INFRARED COUNTERMEASURES C-17 | P-3a | | - | - | 0.000 | - | - | 72.384 | - | - | 15.711 | - | - | 8.525 | - | - | - | - | - | 8.525 |
| Total Gross/Weapon System Cost | | | - | - | 0.000 | - | - | 154.864 | - | - | 121.247 | - | - | 13.159 | - | - | - | - | - | 13.159 |

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

*For Items, Title represents the Item Number / Title [DODIC]. For the P-3a, Title represents the Modification Number / Title.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

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|---|--|--|----------------|----------------|---|--------------------------------|----------------------|
| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | Date: March 2014 | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1 | | P-1 Line Item Number / Title: LAIRCM / Large Aircraft Infrared Countermeasures | | | Modification Number / Title: 1 / LARGE AIRCRAFT INFRARED COUNTERMEASURES C-17 | | |
| Resource Summary | | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO[#] | FY 2015 Total |
| Procurement Quantity <i>(Units in Each)</i> | | - | - | - | - | - | - |
| Gross/Weapon System Cost <i>(\$ in Millions)</i> | | 0.000 | 72.384 | 15.711 | 8.525 | - | 8.525 |
| Less PY Advance Procurement <i>(\$ in Millions)</i> | | - | - | - | - | - | - |
| Net Procurement (P1) <i>(\$ in Millions)</i> | | 0.000 | 72.384 | 15.711 | 8.525 | - | 8.525 |
| Plus CY Advance Procurement <i>(\$ in Millions)</i> | | - | - | - | - | - | - |
| Total Obligation Authority <i>(\$ in Millions)</i> | | 0.000 | 72.384 | 15.711 | 8.525 | - | 8.525 |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> | | | | | | | |
| Initial Spares <i>(\$ in Millions)</i> | | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost <i>(\$ in Millions)</i> | | - | - | - | - | - | - |

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

NEXGEN NEW INSTALLS The Large Aircraft Infrared Countermeasures (LAIRCM) system provides a significantly improved defensive capability for the C-17 to counter the proliferating infrared (IR) man-portable air defense systems (MANPADS) missile threats. This system is fully automatic following power-up and consists of Group A aircraft modification kits and Group B equipment. The LAIRCM system [AN/AQQ-24(V)] consists of 6 missile warning sensors (MWS), 1 (lite configuration) or 3 (full configuration) Guardian Laser Transmitter Assemblies (GLTA)/Small Laser Transmitter Assemblies (SLTA), a colorless eye-safe multiband laser, control indicator unit (CIU), 2 repeaters and a system processor to detect, track and counter incoming IR missiles.

Enhancements and retrofits to the current configuration are planned for purchase and installation in FY08 and beyond. These enhancements include retrofits of the SLTA to a smaller, lighter GLTA. In addition, the current AAR-54 sensor will be replaced by a more effective infrared (IR) Next Generation Missile Warning Sensor (NexGen MWS). The processor and CIU are also slated to be replaced with updated versions that address diminishing manufacturing sources (DMS) and reliability efforts.

The C-17 LAIRCM modification is appropriated through FY12 in the C-17 P-1 line item. C-17 LAIRCM modification funding continues in FY13 until completion in the LAIRCM P-1 line item. This change consolidates all Air Force LAIRCM funding under a single P-1 line item and facilitates improved financial reporting and flexibility in meeting warfighter requirements. The LAIRCM modification number through FY12 is 8629. Starting in FY13 the C-17 LAIRCM modification number is #8629C17 which includes new NEXGEN installs and the completion of SLTA to GLTA conversion. NexGen MWS retrofit funding is documented for FY12 and prior in P3A #8629.

The "Change Orders" line in the funding table include DMS costs for the identification, review, and monitoring of items with high DMS risk potential, classification of identified items according to criticality, identification of alternatives for items having high DMS risks, and non-recurring engineering (NRE)/replacement cost for DMS components. Additionally, "change orders" include NRE/replacement costs for equipment updates to increase reliability, availability, and maintainability of LAIRCM group B components as identified during the fiscal year.

This program includes all efforts needed to procure, field and support LAIRCM. These efforts include, but are not limited to, Hardware procurement, installation, installation support, initial and readiness spares, support equipment, government furnished equipment (GFE) and GFE repairs, Interim Contractor Support (ICS), depot standup, Systems Engineering and Program Management (SEPM), Failure Reporting and Corrective Analysis Support (FRACAS), Other Government Costs (OGCs), Pre-planned Product Improvements (P3I), program management and administration (PMA) costs, simulators and data.

In FY 2013, four aircraft were reassigned from the US Air Force to the Air National Guard at Memphis National Guard Base TN; two of the four had previously been modified with LAIRCM. In FY 2014, four additional aircraft were reassigned from the US Air Force to the Air National Guard at Memphis National Guard Base TN; one of the four had previously been modified with LAIRCM. Therefore, prior year kit buys and installs costs for Active, Guard and Reserve were adjusted accordingly.

Adjusted installation schedule is a result of the C-17 program office standing up a fourth modification line and moving SLTA to GLTA upgrades from the main operating bases to the modification lines at the depot.

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1 | P-1 Line Item Number / Title: LAIRCM / Large Aircraft Infrared Countermeasures | Modification Number / Title: 1 / LARGE AIRCRAFT INFRARED COUNTERMEASURES C-17 |

NOTES:

LAIRCM P-1 Line: (Mod 8629C17)

FY13 procures 1 NexGen Grp A & Grp B kits, and initial spares, mod line and support activities.

FY13 OCO procures 9 initial NexGen Grp A and Grp B kits and installs, 5 SLTA to GLTA retrofit kits and installs; initial spares and support activities.

FY14 procures 1 NexGen Grp A & Grp B kit; 1 NexGen install; 3 NexGen retrofit installs, and support activities.

FY15 procures 1 NexGen install

Total C-17 LAIRCM Funding

RDT&E funding: 2 Grp A, 2 Grp B

Aircraft Procurement funding: 44 Grp A, 29 Grp B (Aircraft Production procurement funding not documented on 8629 or 8629C17 P3A)

Modification funding: 177 Grp A, 184 Grp B TOTAL: 222 Grp A, 214 Grp B (NOTE: 8 aircraft are not getting group B)

This program has associated Research, Development, Test & Evaluation (RDT&E) funding in PE 0401134F

Aircraft Grp A Breakdown: 138 Active (includes 1 RDT&E C-17), 18 Reserve, and 21 ANG

FY 2013 funding totals include \$63.3M for Overseas Contingency Operations

Projected Financial Plan Categories: GFE - Previously identified as retrofit kits - this effort provides the kits needed to support LAIRCM configurations Tooling - Previously identified as retrofit installs - this effort installs the retrofit kits needed to support the LAIRCM configurations.

Milestone/Development Status

Development is complete.

| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
|------------------------|----------------------------|---------|---------|--------------|-------------|---------------|
| AF | Quantity | - | - | - | - | - |
| | Total Obligation Authority | 58.482 | 15.711 | 8.525 | - | 8.525 |
| AFNG | Quantity | - | - | - | - | - |

UNCLASSIFIED

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1 | P-1 Line Item Number / Title: LAIRCM / Large Aircraft Infrared Countermeasures | Modification Number / Title: 1 / LARGE AIRCRAFT INFRARED COUNTERMEASURES C-17 |

| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
|-------------------------------|-----------------------------------|----------------|----------------|---------------------|--------------------|----------------------|
| | Total Obligation Authority | 9.268 | - | - | - | - |
| AFR | Quantity | - | - | - | - | - |
| | Total Obligation Authority | 4.634 | - | - | - | - |
| Total: | Quantity | - | - | - | - | - |
| Secondary Distribution | Total Obligation Authority | 72.384 | 15.711 | 8.525 | - | 8.525 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | Date: March 2014 | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1 | | | P-1 Line Item Number / Title: LAIRCM / Large Aircraft Infrared Countermeasures | | | Modification Number / Title: 1 / LARGE AIRCRAFT INFRARED COUNTERMEASURES C-17 | |
| Models of Systems Affected: C-17 | | Modification Type: Capability Improvement | | | Related RDT&E PEs: 0401134F | | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | |
| Procurement | | | | | | | |
| Modification Item 1 of 3: AAR-54 to NexGen Sensor | | | | | | | |
| A Kits | | | | | | | |
| Recurring | | | | | | | |
| AAR-54 to NexGen Sensor:INSTALL KITS Group A (Active) 3 / 0.000 - / - - / - - / - - / - | | | | | | | |
| Subtotal: Recurring - / 0.000 - / - - / - - / - - / - | | | | | | | |
| Subtotal: AAR-54 to NexGen Sensor - / 0.000 - / - - / - - / - - / - | | | | | | | |
| Modification Item 2 of 3: Initial; None to Full GLTA | | | | | | | |
| A Kits | | | | | | | |
| Recurring | | | | | | | |
| Initial; None to Full GLTA:INSTALL KITS Group A (Active) - / - 7 / 4.803 1 / 0.694 - / - - / - - / - | | | | | | | |
| Initial; None to Full GLTA:INSTALL KITS Group A (Guard) - / - 2 / 1.372 - / - - / - - / - - / - | | | | | | | |
| Initial; None to Full GLTA:INSTALL KITS Group A (Reserve) - / - 1 / 0.686 - / - - / - - / - - / - | | | | | | | |
| Subtotal: Recurring - / - - / 6.861 - / 0.694 - / - - / - - / - | | | | | | | |
| B Kits | | | | | | | |
| Recurring | | | | | | | |
| Initial; None to Full GLTA:EQUIPMENT Group B (Active) - / - 7 / 21.812 1 / 3.566 - / - - / - - / - | | | | | | | |
| Initial; None to Full GLTA:EQUIPMENT Group B (Guard) - / - 2 / 6.232 - / - - / - - / - - / - | | | | | | | |
| Initial; None to Full GLTA:EQUIPMENT Group B (Reserve) - / - 1 / 3.116 - / - - / - - / - - / - | | | | | | | |
| Subtotal: Recurring - / - - / 31.160 - / 3.566 - / - - / - - / - | | | | | | | |
| Subtotal: Initial; None to Full GLTA - / - - / 38.021 - / 4.260 - / - - / - - / - | | | | | | | |
| Modification Item 3 of 3: SLTA to GLTA Retrofit | | | | | | | |
| A Kits | | | | | | | |
| Recurring | | | | | | | |
| SLTA to GLTA Retrofit:INSTALL KITS Group A (Active) - / - 5 / 0.356 - / - - / - - / - - / - | | | | | | | |
| Subtotal: Recurring - / - - / 0.356 - / - - / - - / - - / - | | | | | | | |
| B Kits | | | | | | | |
| Recurring | | | | | | | |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | Date: March 2014 | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1 | | | P-1 Line Item Number / Title: LAIRCM / Large Aircraft Infrared Countermeasures | | Modification Number / Title: 1 / LARGE AIRCRAFT INFRARED COUNTERMEASURES C-17 | |
| Models of Systems Affected: C-17 | | Modification Type: Capability Improvement | | | Related RDT&E PEs: 0401134F | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| SLTA to GLTA Retrofit:EQUIPMENT Group B (Active) | - / - | 5 / 10.330 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Recurring</i> | - / - | - / 10.330 | - / - | - / - | - / - | - / - |
| <i>Subtotal: SLTA to GLTA Retrofit</i> | - / - | - / 10.686 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Procurement, All Modification Items</i> | - / 0.000 | - / 48.707 | - / 4.260 | - / - | - / - | - / - |
| Support (All Modification Items) | | | | | | |
| GROUP A: TOTAL NONRECURRING | - / - | - / - | - / 0.500 | - / 0.600 | - / - | - / 0.600 |
| GROUP B: TOTAL NONRECURRING | - / - | - / - | - / - | - / - | - / - | - / - |
| Change Orders | - / - | - / 0.494 | - / 1.100 | - / 0.098 | - / - | - / 0.098 |
| SUPPORT-EQUIP | - / - | - / - | - / - | - / 0.129 | - / - | - / 0.129 |
| Mod of Spares | - / - | - / 9.593 | 1 / 3.320 | - / - | - / - | - / - |
| ICS-Labor | - / - | - / 2.860 | - / 3.526 | - / 4.099 | - / - | - / 4.099 |
| PMA - Contractor Services | - / - | - / 0.958 | - / 0.758 | - / 1.520 | - / - | - / 1.520 |
| OTHER GOVT | - / - | - / 1.899 | - / 1.000 | - / 1.166 | - / - | - / 1.166 |
| <i>Subtotal: Support</i> | - / - | - / 15.804 | 1 / 10.204 | - / 7.612 | - / - | - / 7.612 |
| Installation | | | | | | |
| <i>Modification Item 1 of 3: AAR-54 to NexGen Sensor</i> | - / - | - / - | 3 / 0.334 | - / - | - / - | - / - |
| <i>Modification Item 2 of 3: Initial; None to Full GLTA</i> | - / - | - / 7.488 | - / 0.913 | - / 0.913 | - / - | - / 0.913 |
| <i>Modification Item 3 of 3: SLTA to GLTA Retrofit</i> | - / - | - / 0.385 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Installation</i> | - / - | - / 7.873 | 3 / 1.247 | - / 0.913 | - / - | - / 0.913 |
| Total | | | | | | |
| Total Cost (Procurement + Support + Installation) | 0.000 | 72.384 | 15.711 | 8.525 | - | 8.525 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | Date: March 2014 | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1 | | | P-1 Line Item Number / Title: LAIRCM / Large Aircraft Infrared Countermeasures | | | Modification Number / Title: 1 / LARGE AIRCRAFT INFRARED COUNTERMEASURES C-17 | | | | |
| Models of Systems Affected: | | Modification Type: Capability Improvement | | Related RDT&E PEs: 0401134F | | | | | | |
| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
| | | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Procurement | | | | | | | | | | |
| Modification Item 2 of 3: Initial; None to Full GLTA | | | | | | | | | | |
| AF | | - / 26.615 | - / 4.260 | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| AFNG | | - / 7.604 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| AFR | | - / 3.802 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| <i>Subtotal: Initial; None to Full GLTA Secondary Distribution</i> | | - / 38.021 | - / 4.260 | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| Modification Item 3 of 3: SLTA to GLTA Retrofit | | | | | | | | | | |
| AF | | - / 10.686 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| <i>Subtotal: SLTA to GLTA Retrofit Secondary Distribution</i> | | - / 10.686 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| <i>Subtotal: Procurement, All Modification Items</i> | | - / 48.707 | - / 4.260 | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| Support | | | | | | | | | | |
| AF | | - / 15.804 | 1 / 10.204 | - / 17.612 | - / - | - / 17.612 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Support</i> | | - / 15.804 | 1 / 10.204 | - / 17.612 | - / - | - / 17.612 | - / - | - / - | - / - | - / - |
| Installation | | | | | | | | | | |
| Modification Item 1 of 3: AAR-54 to NexGen Sensor | | | | | | | | | | |
| Contractor Facility | | | | | | | | | | |
| AF | | - / - | 3 / 0.334 | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| <i>Subtotal: Contractor Facility</i> | | - / - | 3 / 0.334 | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| <i>Subtotal: AAR-54 to NexGen Sensor</i> | | - / - | 3 / 0.334 | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| Modification Item 2 of 3: Initial; None to Full GLTA | | | | | | | | | | |
| Contractor Facility | | | | | | | | | | |
| AF | | - / 4.992 | - / 0.913 | - / 0.913 | - / - | - / 0.913 | - / - | - / - | - / - | - / - |
| AFNG | | - / 1.664 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| AFR | | - / 0.832 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| <i>Subtotal: Contractor Facility</i> | | - / 7.488 | - / 0.913 | - / 0.913 | - / - | - / 0.913 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Initial; None to Full GLTA</i> | | - / 7.488 | - / 0.913 | - / 0.913 | - / - | - / 0.913 | - / - | - / - | - / - | - / - |
| Modification Item 3 of 3: SLTA to GLTA Retrofit | | | | | | | | | | |
| Contractor Facility | | | | | | | | | | |
| AF | | - / 0.385 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| <i>Subtotal: Contractor Facility</i> | | - / 0.385 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| <i>Subtotal: SLTA to GLTA Retrofit</i> | | - / 0.385 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| <i>Subtotal: Installation</i> | | - / 7.873 | 3 / 1.247 | - / 0.913 | - / - | - / 0.913 | - / - | - / - | - / - | - / - |
| Total | | | | | | | | | | |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1 | P-1 Line Item Number / Title: LAIRCM / Large Aircraft Infrared Countermeasures | Modification Number / Title: 1 / LARGE AIRCRAFT INFRARED COUNTERMEASURES C-17 |

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| Models of Systems Affected: | Modification Type: Capability Improvement | Related RDT&E PEs: 0401134F |
|------------------------------------|--|--|

| Secondary Distribution | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|--|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> |
| Total: Secondary Distribution, All Modification Items | - / 72.384 | - / 15.711 | - / 8.525 | - / - | - / 8.525 | - / - | - / - | - / - | - / - |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1 | P-1 Line Item Number / Title: LAIRCM / Large Aircraft Infrared Countermeasures | Modification Number / Title: 1 / LARGE AIRCRAFT INFRARED COUNTERMEASURES C-17 |

Modification Item 1 of 3: AAR-54 to NexGen Sensor

Modification Item MDAP/MAIS Code:

Manufacturer Information

| | | | |
|--|----------------|---------------------------------------|----------------|
| Manufacturer Name: Boeing Transport | | Manufacturer Location: Long Beach, Ca | |
| Administrative Leadtime (in Months): 1 | | Production Leadtime (in Months): 12 | |
| Dates | FY 2013 | FY 2014 | FY 2015 |
| Contract Dates | Feb 2013 | Nov 2014 | |
| Delivery Dates | Feb 2014 | Nov 2015 | |

Installation Information

Method of Implementation: Contractor Facility

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
|-----------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | - / - | - / - | 3 / 0.334 | - / - | - / - | - / - |
| Secondary Distribution - AF | - / - | - / - | 3 / 0.334 | - / - | - / - | - / - |
| FY 2013 | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | - / - | - / - | 3 / 0.334 | - / - | - / - | - / - |
| Secondary Distribution - AF | - / - | - / - | 3 / 0.334 | - / - | - / - | - / - |

Installation Schedule

| PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | |
|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|
| | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 |
| In | 0 | - | - | - | - | 3 | - | - | - | - | - | - |
| Out | 0 | - | - | - | - | - | 3 | - | - | - | - | - |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1 | P-1 Line Item Number / Title: LAIRCM / Large Aircraft Infrared Countermeasures | Modification Number / Title: 1 / LARGE AIRCRAFT INFRARED COUNTERMEASURES C-17 |

Modification Item 2 of 3: Initial; None to Full GLTA

Modification Item MDAP/MAIS Code:

Manufacturer Information

| | | | |
|--|----------------|---------------------------------------|----------------|
| Manufacturer Name: Boeing Aerospace | | Manufacturer Location: Long Beach, Ca | |
| Administrative Leadtime (in Months): 6 | | Production Leadtime (in Months): 14 | |
| Dates | FY 2013 | FY 2014 | FY 2015 |
| Contract Dates | Mar 2013 | Mar 2014 | |
| Delivery Dates | May 2014 | May 2015 | |

Installation Information

Method of Implementation: Contractor Facility

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
|-------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2013 | - / - | - / 17.488 | - / - | - / 0.913 | - / - | - / 0.913 |
| Secondary Distribution - AF | - / - | - / 4.992 | - / - | - / 0.913 | - / - | - / 0.913 |
| Secondary Distribution - AFNG | - / - | - / 1.664 | - / - | - / - | - / - | - / - |
| Secondary Distribution - AFR | - / - | - / 0.832 | - / - | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | - / 0.913 | - / - | - / - | - / - |
| Secondary Distribution - AF | - / - | - / - | - / 0.913 | - / - | - / - | - / - |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | - / - | - / 17.488 | - / 0.913 | - / 0.913 | - / - | - / 0.913 |
| Secondary Distribution - AF | - / - | - / 4.992 | - / 0.913 | - / 0.913 | - / - | - / 0.913 |
| Secondary Distribution - AFNG | - / - | - / 1.664 | - / - | - / - | - / - | - / - |
| Secondary Distribution - AFR | - / - | - / 0.832 | - / - | - / - | - / - | - / - |

Installation Schedule

| PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | | |
|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---|
| | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | |
| In | 0 | - | - | - | - | - | - | - | - | - | - | - | - |
| Out | 0 | - | - | - | - | - | - | - | - | - | - | - | - |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 1 | P-1 Line Item Number / Title: LAIRCM / Large Aircraft Infrared Countermeasures | Modification Number / Title: 1 / LARGE AIRCRAFT INFRARED COUNTERMEASURES C-17 |

Modification Item 3 of 3: SLTA to GLTA Retrofit

Modification Item MDAP/MAIS Code:

Manufacturer Information

| | |
|--|---------------------------------------|
| Manufacturer Name: Boeing Military | Manufacturer Location: Long Beach, Ca |
| Administrative Leadtime (in Months): 1 | Production Leadtime (in Months): 14 |

| Dates | FY 2013 | FY 2014 | FY 2015 |
|----------------|----------|----------|---------|
| Contract Dates | Nov 2014 | Nov 2014 | |
| Delivery Dates | Jan 2016 | Jan 2016 | |

Installation Information

Method of Implementation: Contractor Facility

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
|-----------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2013 | - / - | - / 0.385 | - / - | - / - | - / - | - / - |
| Secondary Distribution - AF | - / - | - / 0.385 | - / - | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | - / - | - / 0.385 | - / - | - / - | - / - | - / - |
| Secondary Distribution - AF | - / - | - / 0.385 | - / - | - / - | - / - | - / - |

Installation Schedule

| PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | | |
|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---|
| | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | |
| In | 0 | - | - | - | - | - | - | - | - | - | - | - | - |
| Out | 0 | - | - | - | - | - | - | - | - | - | - | - | - |

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

| | |
|---|---|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft | P-1 Line Item Number / Title: A01000 / A-10 |
|---|---|

| ID Code (A=Service Ready, B=Not Service Ready) : | Program Elements for Code B Items: 0207131F | | | | | | Other Related Program Elements: 0207131F | | | | | |
|---|---|----------------|---------------|--------------|--------------|---------------|--|---------|---------|---------|-------------|----------------|
| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
| Procurement Quantity (Units in Each) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (\$ in Millions) | 631.854 | 233.281 | 47.598 | - | - | - | - | - | - | - | - | 912.733 |
| Less PY Advance Procurement (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (\$ in Millions) | 631.854 | 233.281 | 47.598 | - | - | - | - | - | - | - | - | 912.733 |
| Plus CY Advance Procurement (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (\$ in Millions) | 631.854 | 233.281 | 47.598 | - | - | - | - | - | - | - | - | 912.733 |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> | | | | | | | | | | | | |
| Initial Spares (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Flyaway Unit Cost (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

This line item funds modifications to the A-10 aircraft. The A-10 is a twin engine, single seat, close air support aircraft capable of delivering a full range of air-to-ground munitions as well as self-defense air-to-air missiles.

The entire A-10 fleet is being divested beginning in FY15.

Funding for this exhibit contained in PE 0207131F

No FY15 funding requested.

| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|------------------------|----------------------------|---------|---------|--------------|-------------|---------------|---------|---------|---------|---------|
| AF | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 125.330 | 20.190 | - | - | - | - | - | - | - |
| AFNG | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 64.870 | 22.840 | - | - | - | - | - | - | - |
| AFR | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 43.081 | 4.568 | - | - | - | - | - | - | - |

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft

P-1 Line Item Number / Title:
A01000 / A-10

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0207131F **Other Related Program Elements:** 0207131F

| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|-------------------------------|-----------------------------------|---------|---------|--------------|-------------|---------------|---------|---------|---------|---------|
| Total: | Quantity | - | - | - | - | - | - | - | - | - |
| Secondary Distribution | Total Obligation Authority | 233.281 | 47.598 | - | - | - | - | - | - | - |

| Exhibits Schedule | | Prior Years | | | FY 2013 | | | FY 2014 | | | FY 2015 Base | | | FY 2015 OCO | | | FY 2015 Total | | | |
|---|----------|-------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|
| Title* | Exhibits | ID CD | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 1 / TEMS/ADR | P-40a*** | | - | - | 7.376 | - | - | 4.500 | - | - | - | - | - | - | - | - | - | - | - | - |
| Item - 2 / MODE S/5 | P-40a*** | | - | - | 2.785 | - | - | 2.926 | - | - | 3.018 | - | - | - | - | - | - | - | - | - |
| Item - 3 / A-10 Wing Replacement Program | P-40a*** | | - | - | 591.548 | - | - | 222.855 | - | - | 44.580 | - | - | - | - | - | - | - | - | - |
| Item - 4 / A-10 Helmet Mounted Cuing System | P-40a*** | | - | - | 28.986 | - | - | 2.000 | - | - | - | - | - | - | - | - | - | - | - | - |
| Item - 5 / LOW COST MODIFICATIONS | P-40a*** | | - | - | 1.159 | - | - | 1.000 | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Gross/Weapon System Cost | | | - | - | 631.854 | - | - | 233.281 | - | - | 47.598 | - | - | - | - | - | - | - | - | - |

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

*For Items, Title represents the Item Number / Title [DODIC].

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:

Where applicable, justification for individual modifications is provided in the P-3A exhibits.

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

| | |
|---|---|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft | P-1 Line Item Number / Title: F01500 / F-15 |
|---|---|

| | | |
|---|--|---|
| ID Code (A=Service Ready, B=Not Service Ready) : | Program Elements for Code B Items: 0207130F, 0207134F, 0207171F | Other Related Program Elements: 0207130F, 0207134F |
|---|--|---|

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO [#] | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|---|----------------|----------------|----------------|----------------|--------------------------|----------------|----------------|----------------|----------------|----------------|-------------|------------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 997.743 | 190.163 | 346.624 | 387.314 | - | 387.314 | 644.336 | 476.060 | 489.257 | 448.469 | - | 3,979.966 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (<i>\$ in Millions</i>) | 997.743 | 190.163 | 346.624 | 387.314 | - | 387.314 | 644.336 | 476.060 | 489.257 | 448.469 | - | 3,979.966 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 997.743 | 190.163 | 346.624 | 387.314 | - | 387.314 | 644.336 | 476.060 | 489.257 | 448.469 | - | 3,979.966 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial Spares (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Flyaway Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

This line item funds modifications to the F-15 aircraft. The F-15C/D is a twin engine, single seat, supersonic, all-weather, day/night, air-superiority fighter. The F-15E is a twin engine, two seat, supersonic dual-role, day/night, all-weather, deep interdiction fighter with multi-role air-to-air capabilities. The overall goals of the budgeted modifications are to improve operational capability, reliability and maintainability, and flight safety. The specific modifications budgeted and programmed are below.

This program has associated Research Development Test and Evaluation (RDT&E) in PE 0207134F.

| Secondary Distribution | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|------------------------|----------------------------|---------|--------------|-------------|---------------|---------|---------|---------|---------|
| AF | Quantity | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 141.650 | 334.299 | 299.442 | - | 299.442 | - | - | - |
| AFNG | Quantity | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 48.513 | 12.325 | 87.872 | - | 87.872 | - | - | - |
| AFR | Quantity | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | - | - | - | - | - | - | - | - |
| Total: | Quantity | - | - | - | - | - | - | - | - |

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft

P-1 Line Item Number / Title:
F01500 / F-15

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0207130F, 0207134F, 0207171F **Other Related Program Elements:** 0207130F, 0207134F

| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|------------------------|----------------------------|---------|---------|--------------|-------------|---------------|---------|---------|---------|---------|
| Secondary Distribution | Total Obligation Authority | 190.163 | 346.624 | 387.314 | - | 387.314 | - | - | - | - |

| Exhibits Schedule | | Prior Years | | | FY 2013 | | | FY 2014 | | | FY 2015 Base | | | FY 2015 OCO | | | FY 2015 Total | | | |
|--|----------|-------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|
| Title* | Exhibits | ID CD | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 1 / C/D Secondary Power System | P-40a*** | | - | - | 0.537 | - | - | 2.846 | - | - | 2.857 | - | - | - | - | - | - | - | - | - |
| Item - 2 / C/D Flight Data Recorder (FDR) | P-40a*** | | - | - | 22.167 | - | - | 1.678 | - | - | 2.056 | - | - | - | - | - | - | - | - | - |
| Item - 3 / F-15E Flight Data Recorder (FDR) | P-40a*** | | - | - | 21.105 | - | - | 1.811 | - | - | 1.694 | - | - | - | - | - | - | - | - | - |
| Item - 4 / AETC MTD UPGRADES-FIELD TRAINING DETACHMENTS | P-40a*** | | - | - | 3.670 | - | - | 0.662 | - | - | 0.835 | - | - | 1.071 | - | - | - | - | - | 1.071 |
| Item - 5 / F-15E DIGITAL VIDEO RECORDER | P-40a*** | | - | - | 16.477 | - | - | 1.546 | - | - | - | - | - | - | - | - | - | - | - | - |
| Item - 6 / Link 16 Cryptographic Modernization (CMI) | P-40a*** | | - | - | - | - | - | - | - | - | - | - | - | 0.002 | - | - | - | - | - | 0.002 |
| Item - 7 / F-15C Passive Attack Sensor System | P-40a*** | | - | - | 10.465 | - | - | 8.000 | - | - | 5.500 | - | - | 3.004 | - | - | - | - | - | 3.004 |
| P-3a - 1202 / F-15E Radar Modernization Program APG-82(V)1 | P-3a | | - | - | 182.927 | - | - | 86.311 | - | - | 189.995 | - | - | 240.947 | - | - | - | - | - | 240.947 |
| P-3a - 6158 / F-15C/D APG-63(V)3 radar upgrade | P-3a | | - | - | 652.962 | - | - | 71.892 | - | - | 110.291 | - | - | 117.460 | - | - | - | - | - | 117.460 |
| P-3a - 8353 / F-15E -JOINT HELMET-MOUNTED CUEING SYSTEM | P-3a | | - | - | 65.686 | - | - | 4.097 | - | - | 21.170 | - | - | 15.771 | - | - | - | - | - | 15.771 |
| P-3a - 8794 / F-15C/D Beyond Line Of Sight Communications | P-3a | | - | - | 21.747 | - | - | 11.320 | - | - | 12.226 | - | - | 9.059 | - | - | - | - | - | 9.059 |
| Total Gross/Weapon System Cost | | | - | - | 997.743 | - | - | 190.163 | - | - | 346.624 | - | - | 387.314 | - | - | - | - | - | 387.314 |

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

*For Items, Title represents the Item Number / Title [DODIC]. For the P-3a, Title represents the Modification Number / Title.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

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|---|---|---|
| Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft | | P-1 Line Item Number / Title: F01500 / F-15 |
| ID Code (A=Service Ready, B=Not Service Ready) : | Program Elements for Code B Items: 0207130F, 0207134F, 0207171F | Other Related Program Elements: 0207130F, 0207134F |

Empty justification area.

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | P-1 Line Item Number / Title: F01500 / F-15 | Modification Number / Title: 1202 / F-15E Radar Modernization Program APG-82(V)1 |

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total |
|---|--------------------|----------------|----------------|---------------------|---------------------|----------------------|
| Procurement Quantity <i>(Units in Each)</i> | - | - | - | - | - | - |
| Gross/Weapon System Cost <i>(\$ in Millions)</i> | 182.927 | 86.311 | 189.995 | 240.947 | - | 240.947 |
| Less PY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - |
| Net Procurement (P1) <i>(\$ in Millions)</i> | 182.927 | 86.311 | 189.995 | 240.947 | - | 240.947 |
| Plus CY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - |
| Total Obligation Authority <i>(\$ in Millions)</i> | 182.927 | 86.311 | 189.995 | 240.947 | - | 240.947 |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> | | | | | | |
| Initial Spares <i>(\$ in Millions)</i> | 22.609 | 9.672 | 12.373 | 18.243 | - | 18.243 |
| Gross/Weapon System Unit Cost <i>(\$ in Millions)</i> | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

F-15E Radar Modernization Program (RMP), designated the APG-82(V)1, replaces the legacy radar using existing technology from other DOD platforms. It solves parts obsolescence problems and provides improved reliability and performance (increased synthetic aperture radar (SAR) range and resolution), including air-to-air and air-to-ground modes. Also provides for future growth. Total aircraft requirement: 217. This program funded Research Development Test and Evaluation (RDT&E) in PE 0207134F. Requirements document: F-15E Radar Modernization Program CDD dated 21 March 2005. Training costs are included in the SIM/Trainer Line, SE/PM costs are include in the Group B Recurring line, and Depot Costs are included in the SE line.

Milestone/Development Status

Milestone C completed 4Q FY11. System Verification Review #2 (SVR 2) and Integrated Operational Test and Evaluation (IOT&E) completed 4Q FY13. Full Rate Production Decision (FRPD) planned for 3Q FY14.

| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
|--|-----------------------------------|----------------|----------------|---------------------|--------------------|----------------------|
| AF | Quantity | - | - | - | - | - |
| | Total Obligation Authority | 86.311 | 189.995 | 240.947 | - | 240.947 |
| Total: Secondary Distribution | Quantity | - | - | - | - | - |
| | Total Obligation Authority | 86.311 | 189.995 | 240.947 | - | 240.947 |

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|---|--------------------------------|---|---|--------------------------------|--|--------------------------------|
| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | Date: March 2014 | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | | | P-1 Line Item Number / Title: F01500 / F-15 | | Modification Number / Title: 1202 / F-15E Radar Modernization Program APG-82(V)1 | |
| Models of Systems Affected: F-15E | | Modification Type: Reliability & Maintainability | | | Related RDT&E PEs: 0207134F | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| RDT&E PE # | | | | | | |
| 0207134F | - / 358.962 | - / 4.822 | - / - | - / - | - / - | - / - |
| Procurement | | | | | | |
| Modification Item 1 of 1: APG-82(v)1 | | | | | | |
| A Kits | | | | | | |
| Recurring | | | | | | |
| APG-82(v)1:INSTALL KITS Group A (Active) | 20 / 26.633 | 10 / 13.025 | 17 / 32.761 | 27 / 51.717 | - / - | 27 / 51.717 |
| <i>Subtotal: Recurring</i> | - / 26.633 | - / 13.025 | - / 32.761 | - / 51.717 | - / - | - / 51.717 |
| B Kits | | | | | | |
| Recurring | | | | | | |
| APG-82(v)1:EQUIPMENT Group B (Active) | 20 / 96.196 | 10 / 45.621 | 17 / 92.984 | 27 / 140.154 | - / - | 27 / 140.154 |
| <i>Subtotal: Recurring</i> | - / 96.196 | - / 45.621 | - / 92.984 | - / 140.154 | - / - | - / 140.154 |
| <i>Subtotal: APG-82(v)1</i> | - / 122.829 | - / 58.646 | - / 125.745 | - / 191.871 | - / - | - / 191.871 |
| <i>Subtotal: Procurement, All Modification Items</i> | - / 122.829 | - / 58.646 | - / 125.745 | - / 191.871 | - / - | - / 191.871 |
| Support (All Modification Items) | | | | | | |
| GROUP B: TOTAL NONRECURRING | - / 49.995 | - / 23.729 | - / 35.520 | - / 21.079 | - / - | - / 21.079 |
| Change Orders | - / 2.405 | - / 1.638 | - / 8.688 | - / 7.878 | - / - | - / 7.878 |
| Data | - / - | - / - | - / 5.000 | - / - | - / - | - / - |
| SIM/TRAINER | 0 / 0.170 | - / 0.141 | - / - | - / - | - / - | - / - |
| SUPPORT-EQUIP | - / 2.307 | - / 0.101 | - / 1.998 | - / 2.804 | - / - | - / 2.804 |
| ICS-Labor | - / 5.221 | - / 0.223 | - / 3.988 | - / 2.181 | - / - | - / 2.181 |
| PMA - Other Gov't Costs | - / - | - / - | - / 3.453 | - / 4.439 | - / - | - / 4.439 |
| <i>Subtotal: Support</i> | 0 / 60.098 | - / 25.832 | - / 58.647 | - / 38.381 | - / - | - / 38.381 |
| Installation | | | | | | |
| Modification Item 1 of 1: APG-82(v)1 | - / - | 4 / 1.833 | 8 / 5.603 | 15 / 10.695 | - / - | 15 / 10.695 |
| <i>Subtotal: Installation</i> | - / - | 4 / 1.833 | 8 / 5.603 | 15 / 10.695 | - / - | 15 / 10.695 |
| Total | | | | | | |
| Total Cost (Procurement + Support + Installation) | 182.927 | 86.311 | 189.995 | 240.947 | - | 240.947 |

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|---|--|---|---|--|--------------------------------|--|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | Date: March 2014 | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | | | P-1 Line Item Number / Title: F01500 / F-15 | | | Modification Number / Title: 1202 / F-15E Radar Modernization Program APG-82(V)1 | | | | |
| Models of Systems Affected: | | Modification Type: Reliability & Maintainability | | Related RDT&E PEs: 0207134F | | | | | | |
| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
| | | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Procurement | | | | | | | | | | |
| Modification Item 1 of 1: APG-82(v)1 | | | | | | | | | | |
| AF | | - / 58.646 | - / 125.745 | - / 191.871 | - / - | - / 191.871 | - / - | - / - | - / - | - / - |
| <i>Subtotal: APG-82(v)1 Secondary Distribution</i> | | <i>- / 58.646</i> | <i>- / 125.745</i> | <i>- / 191.871</i> | <i>- / -</i> | <i>- / 191.871</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> |
| <i>Subtotal: Procurement, All Modification Items</i> | | <i>- / 58.646</i> | <i>- / 125.745</i> | <i>- / 191.871</i> | <i>- / -</i> | <i>- / 191.871</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> |
| Support | | | | | | | | | | |
| AF | | - / 25.832 | - / 58.647 | - / 38.381 | - / - | - / 38.381 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Support</i> | | <i>- / 25.832</i> | <i>- / 58.647</i> | <i>- / 38.381</i> | <i>- / -</i> | <i>- / 38.381</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> |
| Installation | | | | | | | | | | |
| Modification Item 1 of 1: APG-82(v)1 | | | | | | | | | | |
| Contract Field Team | | | | | | | | | | |
| AF | | 4 / 1.833 | 8 / 5.603 | 15 / 10.695 | - / - | 15 / 10.695 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Contract Field Team</i> | | <i>4 / 1.833</i> | <i>8 / 5.603</i> | <i>15 / 10.695</i> | <i>- / -</i> | <i>15 / 10.695</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> |
| <i>Subtotal: APG-82(v)1</i> | | <i>4 / 1.833</i> | <i>8 / 5.603</i> | <i>15 / 10.695</i> | <i>- / -</i> | <i>15 / 10.695</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> |
| <i>Subtotal: Installation</i> | | <i>4 / 1.833</i> | <i>8 / 5.603</i> | <i>15 / 10.695</i> | <i>- / -</i> | <i>15 / 10.695</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> |
| Total | | | | | | | | | | |
| Total: Secondary Distribution, All Modification Items | | - / 86.311 | - / 189.995 | - / 240.947 | - / - | - / 240.947 | - / - | - / - | - / - | - / - |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | P-1 Line Item Number / Title: F01500 / F-15 | Modification Number / Title: 1202 / F-15E Radar Modernization Program APG-82(V)1 |

Modification Item 1 of 1: APG-82(v)1

Modification Item MDAP/MAIS Code:

Manufacturer Information

| | |
|--|--|
| Manufacturer Name: Raytheon | Manufacturer Location: El Segundo CA/Forest MS |
| Administrative Leadtime (in Months): 5 | Production Leadtime (in Months): 18 |

| Dates | FY 2013 | FY 2014 | FY 2015 |
|----------------|----------|----------|----------|
| Contract Dates | May 2013 | Jun 2014 | Mar 2015 |
| Delivery Dates | Nov 2014 | Dec 2015 | Sep 2016 |

Installation Information

Method of Implementation: Contract Field Team

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
|-----------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | - / - | 4 / 1.833 | 8 / 5.603 | 8 / 5.704 | - / - | 8 / 5.704 |
| Secondary Distribution - AF | - / - | 4 / 1.833 | 8 / 5.603 | 8 / 5.704 | - / - | 8 / 5.704 |
| FY 2013 | - / - | - / - | - / - | 7 / 4.991 | - / - | 7 / 4.991 |
| Secondary Distribution - AF | - / - | - / - | - / - | 7 / 4.991 | - / - | 7 / 4.991 |
| FY 2014 | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | - / - | 4 / 1.833 | 8 / 5.603 | 15 / 10.695 | - / - | 15 / 10.695 |
| Secondary Distribution - AF | - / - | 4 / 1.833 | 8 / 5.603 | 15 / 10.695 | - / - | 15 / 10.695 |

Installation Schedule

| PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | | |
|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---|
| | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | |
| In | 0 | - | - | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 4 | 4 | 4 |
| Out | 0 | - | - | - | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 4 | 4 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | P-1 Line Item Number / Title: F01500 / F-15 | Modification Number / Title: 6158 / F-15C/D APG-63(V)3 radar upgrade |

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO[#] | FY 2015 Total |
|---|--------------------|----------------|----------------|---------------------|--------------------------------|----------------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 652.962 | 71.892 | 110.291 | 117.460 | - | 117.460 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - |
| Net Procurement (P1) (<i>\$ in Millions</i>) | 652.962 | 71.892 | 110.291 | 117.460 | - | 117.460 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 652.962 | 71.892 | 110.291 | 117.460 | - | 117.460 |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> | | | | | | |
| Initial Spares (<i>\$ in Millions</i>) | 25.331 | 3.040 | 2.128 | 1.000 | - | 1.000 |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - |

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

The APG-63(V)3 Active Electronically Scanned Array (AESA) radar upgrade includes F-15C/D aircraft equipped with all variants of the APG-63 radar. The (V)3 AESA upgrade significantly improves Reliability, Maintainability & Supportability (RM&S), and substantially improves operational effectiveness and combat lethality of the existing APG-63 equipped aircraft. Other avionics which support radar functionality may also be upgraded. The APG-63(V) upgrade now includes: 18 (V)2 Models and 24 (V)0 Models. INSTALLATION OF HARDWARE: Upgrade kits funded by the Air Force reflect the separate cost to install the kit in the year of installation. The installation cost for kits funded with congressional adds or GWOT/OCO funding is included in the Group A/B kit cost in the procurement year. Requirements document: F-15C/D Radar Improvement Program CDD dated 21 April 2005. Training costs are included in the Sim/Trainer Line, and SE/PM is included in the Group B Recurring.

Milestone/Development Status

N/A

| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
|-------------------------------|-----------------------------------|----------------|----------------|---------------------|--------------------|----------------------|
| AF | Quantity | - | - | - | - | - |
| | Total Obligation Authority | 24.980 | 101.508 | 30.356 | - | 30.356 |
| AFNG | Quantity | - | - | - | - | - |
| | Total Obligation Authority | 46.912 | 8.783 | 87.104 | - | 87.104 |
| Total: | Quantity | - | - | - | - | - |
| Secondary Distribution | Total Obligation Authority | 71.892 | 110.291 | 117.460 | - | 117.460 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | Date: March 2014 | |
|---|--------------------------------|--|---|--------------------------------|--|--------------------------------|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | | | P-1 Line Item Number / Title: F01500 / F-15 | | Modification Number / Title: 6158 / F-15C/D APG-63(V)3 radar upgrade | |
| Models of Systems Affected: F-15C, F-15D | | Modification Type: Capability Improvement | | | Related RDT&E PEs: 0207134F, 0207130F | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| RDT&E PE # | | | | | | |
| 0207130F | - / 65.272 | - / - | - / - | - / - | - / - | - / - |
| Procurement | | | | | | |
| Modification Item 1 of 1: (V)3 | | | | | | |
| A Kits | | | | | | |
| Recurring | | | | | | |
| (V)3:INSTALL KITS Group A (Active) | 49 / 34.600 | - / - | 17 / 7.771 | 2 / 0.942 | - / - | 2 / 0.942 |
| (V)3:INSTALL KITS Group A (Guard) | 44 / 27.815 | 11 / 4.883 | 2 / 0.914 | 15 / 8.588 | - / - | 15 / 8.588 |
| Subtotal: Recurring | - / 62.415 | - / 4.883 | - / 8.685 | - / 9.530 | - / - | - / 9.530 |
| B Kits | | | | | | |
| Recurring | | | | | | |
| (V)3:EQUIPMENT Group B (Active) | 49 / 226.581 | - / 3.783 | 17 / 70.718 | 2 / 14.452 | - / - | 2 / 14.452 |
| (V)3:EQUIPMENT Group B (Guard) | 44 / 201.978 | 11 / 42.029 | 2 / 7.869 | 15 / 78.516 | - / - | 15 / 78.516 |
| Subtotal: Recurring | - / 428.559 | - / 45.812 | - / 78.587 | - / 92.968 | - / - | - / 92.968 |
| Subtotal: (V)3 | - / 490.974 | - / 50.695 | - / 87.272 | - / 102.498 | - / - | - / 102.498 |
| Subtotal: Procurement, All Modification Items | - / 490.974 | - / 50.695 | - / 87.272 | - / 102.498 | - / - | - / 102.498 |
| Support (All Modification Items) | | | | | | |
| GROUP A: TOTAL NONRECURRING | - / 3.215 | - / - | - / 8.000 | - / - | - / - | - / - |
| GROUP B: TOTAL NONRECURRING | - / 73.500 | - / 8.000 | - / - | - / - | - / - | - / - |
| Change Orders | - / 5.601 | - / 10.343 | - / 9.747 | - / 12.489 | - / - | - / 12.489 |
| Data | - / 5.655 | - / - | - / - | - / - | - / - | - / - |
| SIM/TRAINER | - / - | - / - | - / 0.200 | - / - | - / - | - / - |
| SUPPORT-EQUIP | - / 1.343 | - / 0.010 | - / - | - / - | - / - | - / - |
| ICS-Labor | - / 14.403 | - / 0.800 | - / - | - / 0.200 | - / - | - / 0.200 |
| PMA - Other Gov't Costs | - / 0.777 | - / - | - / 0.725 | - / 2.273 | - / - | - / 2.273 |
| OTHER GOVT | - / 8.419 | - / - | - / - | - / - | - / - | - / - |
| GFP | - / 1.457 | - / - | - / - | - / - | - / - | - / - |
| Mod of Spares | 7 / 47.618 | - / - | - / - | - / - | - / - | - / - |
| Subtotal: Support | 7 / 161.988 | - / 19.153 | - / 18.672 | - / 14.962 | - / - | - / 14.962 |
| Installation | | | | | | |
| Modification Item 1 of 1: (V)3 | 31 / 0.000 | 24 / 2.044 | 17 / 4.347 | 21 / - | - / - | 21 / - |
| Subtotal: Installation | 31 / 0.000 | 24 / 2.044 | 17 / 4.347 | 21 / - | - / - | 21 / - |
| Total | | | | | | |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | Date: March 2014 | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | | | P-1 Line Item Number / Title: F01500 / F-15 | | Modification Number / Title: 6158 / F-15C/D APG-63(V)3 radar upgrade | |
| Models of Systems Affected: F-15C, F-15D | | Modification Type: Capability Improvement | | | Related RDT&E PEs: 0207134F, 0207130F | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
| | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> |
| Total Cost (Procurement + Support + Installation) | 652.962 | 71.892 | 110.291 | 117.460 | - | 117.460 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | | P-1 Line Item Number / Title: F01500 / F-15 |
| | | Modification Number / Title: 6158 / F-15C/D APG-63(V)3 radar upgrade |

| | | |
|------------------------------------|--|--|
| Models of Systems Affected: | Modification Type: Capability Improvement | Related RDT&E PEs: 0207134F, 0207130F |
|------------------------------------|--|--|

| Secondary Distribution | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|--|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Procurement | | | | | | | | | |
| Modification Item 1 of 1: (V)3 | | | | | | | | | |
| AF | - / 3.783 | - / 78.489 | - / 15.394 | - / - | - / 15.394 | - / - | - / - | - / - | - / - |
| AFNG | - / 46.912 | - / 8.783 | - / 87.104 | - / - | - / 87.104 | - / - | - / - | - / - | - / - |
| <i>Subtotal: (V)3 Secondary Distribution</i> | <i>- / 50.695</i> | <i>- / 87.272</i> | <i>- / 102.498</i> | <i>- / -</i> | <i>- / 102.498</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> |
| <i>Subtotal: Procurement, All Modification Items</i> | <i>- / 50.695</i> | <i>- / 87.272</i> | <i>- / 102.498</i> | <i>- / -</i> | <i>- / 102.498</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> |
| Support | | | | | | | | | |
| AF | - / 19.153 | - / 18.672 | - / 14.962 | - / - | - / 14.962 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Support</i> | <i>- / 19.153</i> | <i>- / 18.672</i> | <i>- / 14.962</i> | <i>- / -</i> | <i>- / 14.962</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> |
| Installation | | | | | | | | | |
| Modification Item 1 of 1: (V)3 | | | | | | | | | |
| Contract Field Team | | | | | | | | | |
| AF | 16 / 2.044 | 10 / 4.347 | 8 / - | - / - | 8 / - | - / - | - / - | - / - | - / - |
| AFNG | 8 / - | 7 / - | 13 / - | - / - | 13 / - | - / - | - / - | - / - | - / - |
| <i>Subtotal: Contract Field Team</i> | <i>24 / 2.044</i> | <i>17 / 4.347</i> | <i>21 / -</i> | <i>- / -</i> | <i>21 / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> |
| <i>Subtotal: (V)3</i> | <i>24 / 2.044</i> | <i>17 / 4.347</i> | <i>21 / -</i> | <i>- / -</i> | <i>21 / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> |
| <i>Subtotal: Installation</i> | <i>24 / 2.044</i> | <i>17 / 4.347</i> | <i>21 / -</i> | <i>- / -</i> | <i>21 / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> |
| Total | | | | | | | | | |
| Total: Secondary Distribution, All Modification Items | - / 71.892 | - / 110.291 | - / 117.460 | - / - | - / 117.460 | - / - | - / - | - / - | - / - |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | P-1 Line Item Number / Title: F01500 / F-15 | Modification Number / Title: 6158 / F-15C/D APG-63(V)3 radar upgrade |

Modification Item 1 of 1: (V)3
Modification Item MDAP/MAIS Code:

Manufacturer Information

| | | | |
|--|----------------|--|----------------|
| Manufacturer Name: Raytheon | | Manufacturer Location: El Segundo CA/Forest MS | |
| Administrative Leadtime (in Months): 5 | | Production Leadtime (in Months): 18 | |
| Dates | FY 2013 | FY 2014 | FY 2015 |
| Contract Dates | Feb 2014 | Oct 2014 | Mar 2015 |
| Delivery Dates | Aug 2015 | Apr 2016 | Sep 2016 |

Installation Information

Method of Implementation: Contract Field Team

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
|-------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | 31 / 0.000 | 24 / 2.044 | 17 / 4.347 | 21 / 0.000 | - / - | 21 / 0.000 |
| Secondary Distribution - AF | - / - | 16 / 2.044 | 10 / 4.347 | 8 / 0.000 | - / - | 8 / 0.000 |
| Secondary Distribution - AFNG | - / - | 8 / 0.000 | 7 / 0.000 | 13 / 0.000 | - / - | 13 / 0.000 |
| FY 2013 | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | 31 / 0.000 | 24 / 2.044 | 17 / 4.347 | 21 / - | - / - | 21 / - |
| Secondary Distribution - AF | - / - | 16 / 2.044 | 10 / 4.347 | 8 / - | - / - | 8 / - |
| Secondary Distribution - AFNG | - / - | 8 / - | 7 / - | 13 / - | - / - | 13 / - |

Installation Schedule

| PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | | |
|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---|
| | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | |
| In | 31 | 7 | 6 | 6 | 5 | 5 | 4 | 4 | 4 | 5 | 5 | 6 | 5 |
| Out | 29 | 6 | 6 | 6 | 7 | 3 | 4 | 4 | 3 | 4 | 5 | 5 | 4 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | P-1 Line Item Number / Title: F01500 / F-15 | Modification Number / Title: 8353 / F-15E -JOINT HELMET-MOUNTED CUEING SYSTEM |

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO[#] | FY 2015 Total |
|---|--------------------|----------------|----------------|---------------------|--------------------------------|----------------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 65.686 | 4.097 | 21.170 | 15.771 | - | 15.771 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - |
| Net Procurement (P1) (<i>\$ in Millions</i>) | 65.686 | 4.097 | 21.170 | 15.771 | - | 15.771 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 65.686 | 4.097 | 21.170 | 15.771 | - | 15.771 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | |
|---|---|---|---|---|---|---|
| Initial Spares (<i>\$ in Millions</i>) | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - |

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

Procures and installs Joint Helmet Mounted Cueing System (JHMCS) systems on the F-15E. This system adds high off-boresight cueing of weapons and sensors in the air-to-air and air-to-ground missions. For the air-to-ground mission, JHMCS improves an aircrew's ability to rapidly employ sensors and weapons against time sensitive off-boresight targets, minimizes F-15E aircrew exposure to ground threats, and enhances situational awareness. For the air-to-air mission, JHMCS increases F-15E situational awareness, survivability and lethality in engagements. Without this system, F-15E sensors limit an aircrew's ability to rapidly employ air-to-ground munitions and expose F-15 aircrew to "nose-on" ground threats. In addition, the F-15E cannot effectively employ high off-boresight weapons in the air-to-air environment, severely affecting F-15E survivability against the current threat.

Milestone/Development Status

F-15E front cockpit installation is identical to the single seat F-15C, therefore no development was required. The necessary software integration and testing, as well as procurement and installation of 7 JHMCS test assets, were funded by the OFP Suite 6E development program. Two of the seven OFP-funded installs will be replaced with production installation kits for configuration control purposes. F-15E rear cockpit installation requires separate development and has not yet been scheduled.

| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
|-------------------------------|-----------------------------------|----------------|----------------|---------------------|--------------------|----------------------|
| AF | Quantity | - | - | - | - | - |
| | Total Obligation Authority | 4.097 | 21.170 | 15.771 | - | 15.771 |
| Total: | Quantity | - | - | - | - | - |
| Secondary Distribution | Total Obligation Authority | 4.097 | 21.170 | 15.771 | - | 15.771 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | Date: March 2014 | |
|---|--------------------------------|---|---|--------------------------------|---|--------------------------------|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | | | P-1 Line Item Number / Title: F01500 / F-15 | | Modification Number / Title: 8353 / F-15E -JOINT HELMET-MOUNTED CUEING SYSTEM | |
| Models of Systems Affected: F-15E | | Modification Type: Reliability & Maintainability | | | Related RDT&E PEs: 0207134F | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Procurement | | | | | | |
| <i>Modification Item 1 of 1: MOD Kit</i> | | | | | | |
| A Kits | | | | | | |
| Recurring | | | | | | |
| MOD Kit:INSTALL KITS Group A (Active) | 169 / 9.073 | 10 / 0.500 | 35 / 1.752 | - / - | - / - | - / - |
| <i>Subtotal: Recurring</i> | - / 9.073 | - / 0.500 | - / 1.752 | - / - | - / - | - / - |
| B Kits | | | | | | |
| Recurring | | | | | | |
| MOD Kit:EQUIPMENT Group B (Active) | 169 / 25.001 | 10 / 2.293 | 35 / 6.853 | - / - | - / - | - / - |
| <i>Subtotal: Recurring</i> | - / 25.001 | - / 2.293 | - / 6.853 | - / - | - / - | - / - |
| <i>Subtotal: MOD Kit</i> | - / 34.074 | - / 2.793 | - / 8.605 | - / - | - / - | - / - |
| <i>Subtotal: Procurement, All Modification Items</i> | - / 34.074 | - / 2.793 | - / 8.605 | - / - | - / - | - / - |
| Support (All Modification Items) | | | | | | |
| Change Orders | - / 0.709 | - / - | - / - | - / - | - / - | - / - |
| SUPPORT-EQUIP | - / 14.124 | - / - | - / 1.600 | - / - | - / - | - / - |
| OTHER GOVT | - / - | - / 0.087 | - / 2.833 | - / 10.435 | - / - | - / 10.435 |
| PMA - Other Gov't Costs | - / 26.779 | - / - | - / 0.030 | - / 0.030 | - / - | - / 0.030 |
| ICS-Material | - / - | - / 1.217 | - / 8.102 | - / 2.234 | - / - | - / 2.234 |
| <i>Subtotal: Support</i> | - / 31.612 | - / 1.304 | - / 12.565 | - / 12.699 | - / - | - / 12.699 |
| Installation | | | | | | |
| <i>Modification Item 1 of 1: MOD Kit</i> | | | | | | |
| <i>Subtotal: Installation</i> | 163 / 0.000 | 6 / - | - / - | 45 / 3.072 | - / - | 45 / 3.072 |
| <i>Subtotal: Installation</i> | 163 / 0.000 | 6 / - | - / - | 45 / 3.072 | - / - | 45 / 3.072 |
| Total | | | | | | |
| Total Cost (Procurement + Support + Installation) | 65.686 | 4.097 | 21.170 | 15.771 | - | 15.771 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | Date: March 2014 | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | | | P-1 Line Item Number / Title: F01500 / F-15 | | | Modification Number / Title: 8353 / F-15E -JOINT HELMET-MOUNTED CUEING SYSTEM | | | | |
| Models of Systems Affected: | | Modification Type: Reliability & Maintainability | | Related RDT&E PEs: 0207134F | | | | | | |
| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
| | | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Procurement | | | | | | | | | | |
| Modification Item 1 of 1: MOD Kit | | | | | | | | | | |
| AF | | - / 2.793 | - / 8.605 | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| <i>Subtotal: MOD Kit Secondary Distribution</i> | | - / 2.793 | - / 8.605 | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| <i>Subtotal: Procurement, All Modification Items</i> | | - / 2.793 | - / 8.605 | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| Support | | | | | | | | | | |
| AF | | - / 1.304 | - / 12.565 | - / 12.699 | - / - | - / 12.699 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Support</i> | | - / 1.304 | - / 12.565 | - / 12.699 | - / - | - / 12.699 | - / - | - / - | - / - | - / - |
| Installation | | | | | | | | | | |
| Modification Item 1 of 1: MOD Kit | | | | | | | | | | |
| Contract Field Team | | | | | | | | | | |
| AF | | 6 / - | - / - | 45 / 3.072 | - / - | 45 / 3.072 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Contract Field Team</i> | | 6 / - | - / - | 45 / 3.072 | - / - | 45 / 3.072 | - / - | - / - | - / - | - / - |
| <i>Subtotal: MOD Kit</i> | | 6 / - | - / - | 45 / 3.072 | - / - | 45 / 3.072 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Installation</i> | | 6 / - | - / - | 45 / 3.072 | - / - | 45 / 3.072 | - / - | - / - | - / - | - / - |
| Total | | | | | | | | | | |
| Total: Secondary Distribution, All Modification Items | | - / 4.097 | - / 21.170 | - / 15.771 | - / - | - / 15.771 | - / - | - / - | - / - | - / - |

UNCLASSIFIED

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | P-1 Line Item Number / Title: F01500 / F-15 | Modification Number / Title: 8353 / F-15E -JOINT HELMET-MOUNTED CUEING SYSTEM |

Modification Item 1 of 1: MOD Kit

Modification Item MDAP/MAIS Code:

Manufacturer Information

| | |
|--|-------------------------------------|
| Manufacturer Name: VSI | Manufacturer Location: Portland, OR |
| Administrative Leadtime (in Months): 2 | Production Leadtime (in Months): 12 |

| Dates | FY 2013 | FY 2014 | FY 2015 |
|----------------|----------|----------|---------|
| Contract Dates | Nov 2013 | Jan 2014 | |
| Delivery Dates | Nov 2014 | Jan 2015 | |

Installation Information

Method of Implementation: Contract Field Team

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
|-----------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | 163 / 0.000 | 6 / 0.000 | - / - | - / - | - / - | - / - |
| Secondary Distribution - AF | - / - | 6 / 0.000 | - / - | - / - | - / - | - / - |
| FY 2013 | - / - | - / - | - / - | 10 / 1.217 | - / - | 10 / 1.217 |
| Secondary Distribution - AF | - / - | - / - | - / - | 10 / 1.217 | - / - | 10 / 1.217 |
| FY 2014 | - / - | - / - | - / - | 35 / 1.855 | - / - | 35 / 1.855 |
| Secondary Distribution - AF | - / - | - / - | - / - | 35 / 1.855 | - / - | 35 / 1.855 |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | 163 / 0.000 | 6 / - | - / - | 45 / 3.072 | - / - | 45 / 3.072 |
| Secondary Distribution - AF | - / - | 6 / - | - / - | 45 / 3.072 | - / - | 45 / 3.072 |

Installation Schedule

| PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | | |
|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|
| | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | |
| In | 163 | 4 | 2 | - | - | - | - | - | - | 10 | 10 | 10 | 15 |
| Out | 163 | 4 | 2 | - | - | - | - | - | - | 10 | 10 | 10 | 15 |

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|---|---|---|
| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | P-1 Line Item Number / Title: F01500 / F-15 | Modification Number / Title: 8794 / F-15C/D Beyond Line Of Sight Communications |

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total |
|---|--------------------|----------------|----------------|---------------------|---------------------|----------------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 21.747 | 11.320 | 12.226 | 9.059 | - | 9.059 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - |
| Net Procurement (P1) (<i>\$ in Millions</i>) | 21.747 | 11.320 | 12.226 | 9.059 | - | 9.059 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 21.747 | 11.320 | 12.226 | 9.059 | - | 9.059 |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> | | | | | | |
| Initial Spares (<i>\$ in Millions</i>) | - | - | 1.083 | 2.529 | - | 2.529 |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

The Air Force has a Beyond Line of Sight (BLOS) communications requirement for combat and Homeland Defense (HD) missions supported by a NORAD-USNORTHCOM Joint Urgent Operational Need (JUON) dated 5 October 2007 for BLOS clear and secure voice. BLOS communications will be procured for all F-15C/D aircraft; installation priority will be given to aircraft assigned the Air Sovereignty Alert mission. Ultra High Frequency (UHF) Satellite Communications (SATCOM) is the near term threshold requirement and the longer term threshold requirement is for broad band Mobile User Objective System (MUOS) SATCOM. The near term solution will include an upgrade path to MUOS with the option for integrated waveform (IW) as an interim upgrade. The Air National Guard (ANG) separately procured and installed 105 ANG aircraft. This Air Force program procures and installs the remaining 25 ANG aircraft and all 119 active aircraft. Program funds SATCOM for 144 total C/D aircraft. Installation of Hardware and Installation Schedule do not match in FY14/15/16. This is due to installation delays; the delayed installations costs were paid using funding from years earlier than when the actual installations occurred.

Milestone/Development Status

FY12 RDT&E funds were reallocated to other F-15 priorities in FY13

| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
|--------------------------------------|-----------------------------------|----------------|----------------|---------------------|--------------------|----------------------|
| AF | Quantity | - | - | - | - | - |
| | Total Obligation Authority | 11.320 | 11.611 | 9.059 | - | 9.059 |
| AFNG | Quantity | - | - | - | - | - |
| | Total Obligation Authority | - | 0.615 | - | - | - |
| Total: Secondary Distribution | Quantity | - | - | - | - | - |
| | Total Obligation Authority | 11.320 | 12.226 | 9.059 | - | 9.059 |

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|---|--------------------------------|--|---|--------------------------------|---|--------------------------------|
| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | Date: March 2014 | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | | | P-1 Line Item Number / Title: F01500 / F-15 | | Modification Number / Title: 8794 / F-15C/D Beyond Line Of Sight Communications | |
| Models of Systems Affected: F-15C | | Modification Type: Capability Improvement | | | Related RDT&E PEs: 0207130F | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Procurement | | | | | | |
| Modification Item 1 of 1: MOD Kit (2) | | | | | | |
| A Kits | | | | | | |
| Recurring | | | | | | |
| MOD Kit:INSTALL KITS Group A (Active) | 25 / 0.280 | 50 / 0.600 | 44 / 0.290 | - / - | - / - | - / - |
| MOD Kit:INSTALL KITS Group A (Guard) | 25 / 0.200 | - / - | - / - | - / - | - / - | - / - |
| Subtotal: Recurring | - / 0.480 | - / 0.600 | - / 0.290 | - / - | - / - | - / - |
| B Kits | | | | | | |
| Recurring | | | | | | |
| MOD Kit:EQUIPMENT Group B (Active) | 25 / 6.930 | 50 / 8.000 | 44 / 8.190 | - / - | - / - | - / - |
| MOD Kit:EQUIPMENT Group B (Guard) | 25 / 9.610 | - / - | - / - | - / - | - / - | - / - |
| Subtotal: Recurring | - / 16.540 | - / 8.000 | - / 8.190 | - / - | - / - | - / - |
| Subtotal: MOD Kit (2) | - / 17.020 | - / 8.600 | - / 8.480 | - / - | - / - | - / - |
| Subtotal: Procurement, All Modification Items | - / 17.020 | - / 8.600 | - / 8.480 | - / - | - / - | - / - |
| Support (All Modification Items) | | | | | | |
| Change Orders | - / 0.601 | - / - | - / - | - / - | - / - | - / - |
| Data | - / 2.000 | - / - | - / - | - / - | - / - | - / - |
| SIM/TRAINER | 0 / 0.310 | - / 1.934 | - / - | - / - | - / - | - / - |
| SUPPORT-EQUIP | - / 0.270 | - / - | - / - | - / 6.595 | - / - | - / 6.595 |
| Make New Selection | - / 0.010 | - / 0.010 | - / 0.010 | - / 0.010 | - / - | - / 0.010 |
| PMA - Contractor Services | - / 0.715 | - / 0.358 | - / - | - / - | - / - | - / - |
| OTHER GOVT | - / 0.821 | - / 0.418 | - / 0.304 | - / 0.175 | - / - | - / 0.175 |
| Subtotal: Support | 0 / 4.727 | - / 2.720 | - / 0.314 | - / 6.780 | - / - | - / 6.780 |
| Installation | | | | | | |
| Modification Item 1 of 1: MOD Kit (2) | - / - | - / - | 100 / 3.432 | 44 / 2.279 | - / - | 44 / 2.279 |
| Subtotal: Installation | - / - | - / - | 100 / 3.432 | 44 / 2.279 | - / - | 44 / 2.279 |
| Total | | | | | | |
| Total Cost (Procurement + Support + Installation) | 21.747 | 11.320 | 12.226 | 9.059 | - | 9.059 |

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|---|--|--|---|--|--------------------------------|---|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | Date: March 2014 | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | | | P-1 Line Item Number / Title: F01500 / F-15 | | | Modification Number / Title: 8794 / F-15C/D Beyond Line Of Sight Communications | | | | |
| Models of Systems Affected: | | Modification Type: Capability Improvement | | Related RDT&E PEs: 0207130F | | | | | | |
| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
| | | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Procurement | | | | | | | | | | |
| Modification Item 1 of 1: MOD Kit (2) | | | | | | | | | | |
| AF | | - / 8.600 | - / 8.480 | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| <i>Subtotal: MOD Kit (2) Secondary Distribution</i> | | - / 8.600 | - / 8.480 | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| <i>Subtotal: Procurement, All Modification Items</i> | | - / 8.600 | - / 8.480 | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| Support | | | | | | | | | | |
| AF | | - / 2.720 | - / 0.314 | - / 6.780 | - / - | - / 6.780 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Support</i> | | - / 2.720 | - / 0.314 | - / 6.780 | - / - | - / 6.780 | - / - | - / - | - / - | - / - |
| Installation | | | | | | | | | | |
| Modification Item 1 of 1: MOD Kit (2) | | | | | | | | | | |
| Contract Field Team | | | | | | | | | | |
| AF | | - / - | 75 / 2.817 | 44 / 2.279 | - / - | 44 / 2.279 | - / - | - / - | - / - | - / - |
| AFNG | | - / - | 25 / 0.615 | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| <i>Subtotal: Contract Field Team</i> | | - / - | 100 / 3.432 | 44 / 2.279 | - / - | 44 / 2.279 | - / - | - / - | - / - | - / - |
| <i>Subtotal: MOD Kit (2)</i> | | - / - | 100 / 3.432 | 44 / 2.279 | - / - | 44 / 2.279 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Installation</i> | | - / - | 100 / 3.432 | 44 / 2.279 | - / - | 44 / 2.279 | - / - | - / - | - / - | - / - |
| Total | | | | | | | | | | |
| Total: Secondary Distribution, All Modification Items | | - / 11.320 | - / 12.226 | - / 9.059 | - / - | - / 9.059 | - / - | - / - | - / - | - / - |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | P-1 Line Item Number / Title: F01500 / F-15 | Modification Number / Title: 8794 / F-15C/D Beyond Line Of Sight Communications |

Modification Item 1 of 1: MOD Kit (2)
Modification Item MDAP/MAIS Code:

Manufacturer Information

| | | | |
|--|----------------|---|----------------|
| Manufacturer Name: Rockwell Collins | | Manufacturer Location: Cedar Rapids, IA | |
| Administrative Leadtime (in Months): 4 | | Production Leadtime (in Months): 12 | |
| Dates | FY 2013 | FY 2014 | FY 2015 |
| Contract Dates | Feb 2013 | Feb 2014 | |
| Delivery Dates | Feb 2014 | Feb 2015 | |

Installation Information

Method of Implementation: Contract Field Team

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
|-------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | - / - | - / - | 50 / 1.230 | - / - | - / - | - / - |
| Secondary Distribution - AF | - / - | - / - | 25 / 0.615 | - / - | - / - | - / - |
| Secondary Distribution - AFNG | - / - | - / - | 25 / 0.615 | - / - | - / - | - / - |
| FY 2013 | - / - | - / - | 50 / 2.202 | - / - | - / - | - / - |
| Secondary Distribution - AF | - / - | - / - | 50 / 2.202 | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | - / - | 44 / 2.279 | - / - | 44 / 2.279 |
| Secondary Distribution - AF | - / - | - / - | - / - | 44 / 2.279 | - / - | 44 / 2.279 |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | - / - | - / - | 100 / 3.432 | 44 / 2.279 | - / - | 44 / 2.279 |
| Secondary Distribution - AF | - / - | - / - | 75 / 2.817 | 44 / 2.279 | - / - | 44 / 2.279 |
| Secondary Distribution - AFNG | - / - | - / - | 25 / 0.615 | - / - | - / - | - / - |

Installation Schedule

| PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | |
|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|
| | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 |
| In | 0 | - | - | - | - | 25 | 25 | 13 | 13 | 12 | 12 | 11 |
| Out | 0 | - | - | - | - | 25 | 25 | 13 | 13 | 12 | 12 | 11 |

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft /
BSA 2: Tactical Aircraft

P-1 Line Item Number / Title:
F01600 / F-16

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0207133F, 0207445F, 0809731F **Other Related Program Elements:** 0207133F

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO [#] | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|--|----------------|--------------|--------------|---------------|--------------------------|---------------|---------------|---------------|----------------|----------------|-------------|----------------|
| Procurement Quantity (Units in Each) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (\$ in Millions) | 644.301 | 6.887 | 9.334 | 12.336 | - | 12.336 | 17.248 | 30.578 | 114.260 | 127.421 | - | 962.365 |
| Less PY Advance Procurement (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (\$ in Millions) | 644.301 | 6.887 | 9.334 | 12.336 | - | 12.336 | 17.248 | 30.578 | 114.260 | 127.421 | - | 962.365 |
| Plus CY Advance Procurement (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (\$ in Millions) | 644.301 | 6.887 | 9.334 | 12.336 | - | 12.336 | 17.248 | 30.578 | 114.260 | 127.421 | - | 962.365 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial Spares (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Flyaway Unit Cost (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

The F-16 is a multi-role fighter capable of employing a wide variety of nuclear and conventional weapons and missiles in both the air-to-surface and air-to-air mission areas. The specific modifications budgeted and programmed are below.

Funding for the exhibit contained in PE 0207133F.

| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|--------------------------------------|-----------------------------------|--------------|--------------|---------------|-------------|---------------|---------|---------|---------|---------|
| AF | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 6.445 | 8.811 | 12.306 | - | 12.306 | - | - | - | - |
| AFNG | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 0.403 | 0.499 | 0.030 | - | 0.030 | - | - | - | - |
| AFR | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 0.039 | 0.024 | - | - | - | - | - | - | - |
| Total: Secondary Distribution | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 6.887 | 9.334 | 12.336 | - | 12.336 | - | - | - | - |

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft

P-1 Line Item Number / Title:
F01600 / F-16

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0207133F, 0207445F, 0809731F **Other Related Program Elements:** 0207133F

| Exhibits Schedule | | ID CD | Prior Years | | | FY 2013 | | | FY 2014 | | | FY 2015 Base | | | FY 2015 OCO | | | FY 2015 Total | | |
|--|----------|----------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|
| Title* | Exhibits | | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 1 / FALCON STAR | P-40a*** | | - | - | 415.058 | - | - | 2.694 | - | - | 0.543 | - | - | 1.294 | - | - | - | - | - | 1.294 |
| Item - 2 / Mode 5 Identification | P-40a*** | | - | - | 34.400 | - | - | 0.250 | - | - | - | - | - | - | - | - | - | - | - | - |
| Item - 3 / DIGITAL FLIGHT CONTROL COMPUTER | P-40a*** | | - | - | 7.811 | - | - | 0.973 | - | - | 2.254 | - | - | 1.000 | - | - | - | - | - | 1.000 |
| Item - 4 / ADVANCED DATA TRANSFER EQUIPMENT | P-40a*** | | - | - | 37.900 | - | - | - | - | - | - | - | - | 2.000 | - | - | - | - | - | 2.000 |
| Item - 5 / ON BOARD OXYGEN GENERATION SYSTEM (OBOGS) | P-40a*** | | - | - | 46.881 | - | - | 1.482 | - | - | - | - | - | - | - | - | - | - | - | - |
| Item - 6 / LOW COST MODIFICATIONS | P-40a*** | | - | - | 17.750 | - | - | 0.116 | - | - | 0.416 | - | - | 1.939 | - | - | - | - | - | 1.939 |
| Item - 7 / F-110 Engine Fire Seal Mod | P-40a*** | | - | - | 1.145 | - | - | 0.751 | - | - | 0.671 | - | - | 0.050 | - | - | - | - | - | 0.050 |
| P-3a - 8662 / AETC MTD UPGRADES-FIELD TRAINING DETACHMENTS | P-3a | | - | - | 83.356 | - | - | 0.621 | - | - | 5.450 | - | - | 6.053 | - | - | - | - | - | 6.053 |
| Total Gross/Weapon System Cost | | | - | - | 644.301 | - | - | 6.887 | - | - | 9.334 | - | - | 12.336 | - | - | - | - | - | 12.336 |

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

*For Items, Title represents the Item Number / Title [DODIC]. For the P-3a, Title represents the Modification Number / Title.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | P-1 Line Item Number / Title: F01600 / F-16 | Modification Number / Title: 8662 / AETC MTD UPGRADES-FIELD TRAINING DETACHMENTS |

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total |
|---|--------------------|----------------|----------------|---------------------|---------------------|----------------------|
| Procurement Quantity <i>(Units in Each)</i> | - | - | - | - | - | - |
| Gross/Weapon System Cost <i>(\$ in Millions)</i> | 83.356 | 0.621 | 5.450 | 6.053 | - | 6.053 |
| Less PY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - |
| Net Procurement (P1) <i>(\$ in Millions)</i> | 83.356 | 0.621 | 5.450 | 6.053 | - | 6.053 |
| Plus CY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - |
| Total Obligation Authority <i>(\$ in Millions)</i> | 83.356 | 0.621 | 5.450 | 6.053 | - | 6.053 |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> | | | | | | |
| Initial Spares <i>(\$ in Millions)</i> | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost <i>(\$ in Millions)</i> | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

The F-16 Maintenance Training Devices (MTDs) or simulators enable the USAF to exercise and train using the latest available F-16 Fighting Falcon capabilities available to all block configurations, while reducing the overall cost of training Armed Forces in support of the warfighter mission. In order to maintain concurrency with the F-16 Fighting Falcon, this funding supports modification kits, and the fielding and installation of these kits for efforts, such as Central Display Units (CDUs), Electronic Warfare Management Systems (EWMS), etc. The funding also includes other government costs and PMA.

Milestone/Development Status

N/A

| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
|---|-----------------------------------|----------------|----------------|---------------------|--------------------|----------------------|
| AF | Quantity | - | - | - | - | - |
| | Total Obligation Authority | 0.621 | 5.450 | 6.053 | - | 6.053 |
| Total: Secondary Distribution | Quantity | - | - | - | - | - |
| | Total Obligation Authority | 0.621 | 5.450 | 6.053 | - | 6.053 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | Date: March 2014 | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | | | P-1 Line Item Number / Title: F01600 / F-16 | | Modification Number / Title: 8662 / AETC MTD UPGRADES-FIELD TRAINING DETACHMENTS | |
| Models of Systems Affected: F-16 | | Modification Type: Capability Improvement | | | Related RDT&E PEs: 0207133F | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Procurement | | | | | | |
| <i>Modification Item 1 of 1:</i> Trainer/Simulator | | | | | | |
| B Kits | | | | | | |
| Recurring | | | | | | |
| Trainer/Simulator:EQUIPMENT Group B (Active) | | | | | | |
| | - | - | - | - | - | - |
| <i>Subtotal: Recurring</i> | | | | | | |
| | - | - | - | - | - | - |
| <i>Subtotal: Trainer/Simulator</i> | | | | | | |
| | - | - | - | - | - | - |
| <i>Subtotal: Procurement, All Modification Items</i> | | | | | | |
| | - | - | - | - | - | - |
| Support (All Modification Items) | | | | | | |
| Change Orders | | | | | | |
| | - | / 0.593 | - | - | - | - |
| SIM/TRAINER | | | | | | |
| | 122 / 83.356 | 1 / 0.028 | 14 / 5.350 | 13 / 5.951 | - | 13 / 5.951 |
| PMA - Other Gov't Costs | | | | | | |
| | - | - | / 0.100 | - | / 0.102 | - |
| <i>Subtotal: Support</i> | | | | | | |
| | 122 / 83.356 | 1 / 0.621 | 14 / 5.450 | 13 / 6.053 | - | 13 / 6.053 |
| Installation | | | | | | |
| <i>Subtotal: Installation</i> | | | | | | |
| | - | - | - | - | - | - |
| Total | | | | | | |
| Total Cost (Procurement + Support + Installation) | | | | | | |
| | 83.356 | 0.621 | 5.450 | 6.053 | - | 6.053 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | | P-1 Line Item Number / Title: F01600 / F-16 |
| Modification Number / Title: 8662 / AETC MTD UPGRADES-FIELD TRAINING DETACHMENTS | | |

| | | |
|------------------------------------|--|--|
| Models of Systems Affected: | Modification Type: Capability Improvement | Related RDT&E PEs: 0207133F |
|------------------------------------|--|--|

| Secondary Distribution | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|--|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Support | | | | | | | | | |
| AF | 1 / 0.621 | 14 / 5.450 | 13 / 6.053 | - / - | 13 / 6.053 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Support</i> | <i>1 / 0.621</i> | <i>14 / 5.450</i> | <i>13 / 6.053</i> | <i>- / -</i> | <i>13 / 6.053</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> |
| Total | | | | | | | | | |
| Total: Secondary Distribution, All Modification Items | - / 0.621 | - / 5.450 | - / 6.053 | - / - | - / 6.053 | - / - | - / - | - / - | - / - |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | | P-1 Line Item Number / Title: F01600 / F-16 | |
| Modification Number / Title: 8662 / AETC MTD UPGRADES-FIELD TRAINING DETACHMENTS | | | |
| Modification Item 1 of 1: Trainer/Simulator | | | |
| Modification Item MDAP/MAIS Code: | | | |
| Manufacturer Information | | | |
| Manufacturer Name: Unknown | | Manufacturer Location: Unknown | |
| Administrative Leadtime (<i>in Months</i>): 0 | | Production Leadtime (<i>in Months</i>): 0 | |
| Dates | FY 2013 | FY 2014 | FY 2015 |
| Contract Dates | | | |
| Delivery Dates | | | |
| Installation Information | | | |
| Method of Implementation (Organic): Org/Intermediate | | | Installation Quantity: 0 |
| | | | |

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft

P-1 Line Item Number / Title:
F02200 / F-22A

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0207138F **Other Related Program Elements:** 0207138F

Line Item MDAP/MAIS Code: 265 **Item MDAP/MAIS Code(s):**

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO [#] | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|---|------------------|----------------|----------------|----------------|--------------------------|----------------|----------------|----------------|----------------|----------------|----------------|------------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 1,664.340 | 270.875 | 232.156 | 180.207 | - | 180.207 | 164.404 | 201.939 | 178.871 | 187.458 | 610.695 | 3,690.945 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (<i>\$ in Millions</i>) | 1,664.340 | 270.875 | 232.156 | 180.207 | - | 180.207 | 164.404 | 201.939 | 178.871 | 187.458 | 610.695 | 3,690.945 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 1,664.340 | 270.875 | 232.156 | 180.207 | - | 180.207 | 164.404 | 201.939 | 178.871 | 187.458 | 610.695 | 3,690.945 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial Spares (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Flyaway Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

The F-22A program is the next generation multi-mission air superiority fighter to counter emerging worldwide threats. The F-22A is designed to penetrate enemy airspace and achieve a first-look, first-kill capability against multiple targets.

Funding for the exhibit contained in PE 0207138F.

All mods identified in the FY15PB documentation are validated by the Operational Requirements Document/F-22 Advanced Tactical Fighter - JROCM Feb '04

| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|---|-----------------------------------|----------------|----------------|----------------|-------------|----------------|----------------|----------------|----------------|----------------|
| AF | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 233.611 | 205.396 | 164.670 | - | 164.670 | 141.683 | 179.892 | 139.894 | 169.658 |
| AFNG | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 37.264 | 26.760 | 15.537 | - | 15.537 | 22.721 | 22.047 | 38.977 | 17.800 |
| Total: Secondary Distribution | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 270.875 | 232.156 | 180.207 | - | 180.207 | 164.404 | 201.939 | 178.871 | 187.458 |

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft

P-1 Line Item Number / Title:
F02200 / F-22A

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0207138F **Other Related Program Elements:** 0207138F

Line Item MDAP/MAIS Code: 265 **Item MDAP/MAIS Code(s):**

| Exhibits Schedule | | ID CD | Prior Years | | | FY 2013 | | | FY 2014 | | | FY 2015 Base | | | FY 2015 OCO | | | FY 2015 Total | | |
|---|----------|----------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|
| Title* | Exhibits | | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 1 / COMMON CONFIGURATION | P-40a*** | | - | - | 650.570 | - | - | 11.554 | - | - | 2.612 | - | - | 2.330 | - | - | - | - | - | 2.330 |
| Item - 2 / Crypto Modernization | P-40a*** | | - | - | 3.222 | - | - | 1.882 | - | - | - | - | - | - | - | - | - | - | - | - |
| Item - 3 / Tactical Mandates | P-40a*** | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| P-3a - 1 / INCREMENT 3.1 | P-3a | | - | - | 199.846 | - | - | 30.710 | - | - | 12.701 | - | - | 12.891 | - | - | - | - | - | 12.891 |
| P-3a - 2 / Reliability and Maintainability Maturation Program | P-3a | | - | - | 647.655 | - | - | 127.689 | - | - | 126.123 | - | - | 104.318 | - | - | - | - | - | 104.318 |
| P-3a - 3 / F119 Engine Modifications | P-3a | | - | - | 18.374 | - | - | 10.147 | - | - | 27.382 | - | - | 17.487 | - | - | - | - | - | 17.487 |
| P-3a - 4 / Structures Retrofit Plan | P-3a | | - | - | 131.157 | - | - | 58.154 | - | - | 30.737 | - | - | 35.982 | - | - | - | - | - | 35.982 |
| P-3a - 5 / Trainers Modernization | P-3a | | - | - | 13.516 | - | - | 30.739 | - | - | 32.601 | - | - | 7.199 | - | - | - | - | - | 7.199 |
| Total Gross/Weapon System Cost | | | - | - | 1,664.340 | - | - | 270.875 | - | - | 232.156 | - | - | 180.207 | - | - | - | - | - | 180.207 |

| Exhibits Schedule | | ID CD | FY 2016 | | | FY 2017 | | | FY 2018 | | | FY 2019 | | | To Complete | | | Total | | |
|---|----------|----------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|
| Title* | Exhibits | | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 1 / COMMON CONFIGURATION | P-40a*** | | - | - | 4.540 | - | - | 2.323 | - | - | - | - | - | - | - | - | - | - | - | 673.929 |
| Item - 2 / Crypto Modernization | P-40a*** | | - | - | 0.592 | - | - | 7.659 | - | - | 7.667 | - | - | 3.112 | - | - | - | - | - | 24.134 |
| Item - 3 / Tactical Mandates | P-40a*** | | - | - | - | - | - | - | - | - | - | - | - | 69.719 | - | - | 608.387 | - | - | 678.106 |
| P-3a - 1 / INCREMENT 3.1 | P-3a | | - | - | 9.511 | - | - | 4.308 | - | - | - | - | - | - | - | - | - | - | - | 269.967 |
| P-3a - 2 / Reliability and Maintainability Maturation Program | P-3a | | - | - | 97.485 | - | - | 97.198 | - | - | 91.284 | - | - | 73.699 | - | - | - | - | - | 1,365.451 |
| P-3a - 3 / F119 Engine Modifications | P-3a | | - | - | 15.273 | - | - | 36.387 | - | - | 36.905 | - | - | 31.352 | - | - | 2.308 | - | - | 195.615 |
| P-3a - 4 / Structures Retrofit Plan | P-3a | | - | - | 33.439 | - | - | 47.487 | - | - | 36.208 | - | - | 6.603 | - | - | - | - | - | 379.767 |
| P-3a - 5 / Trainers Modernization | P-3a | | - | - | 3.564 | - | - | 6.577 | - | - | 6.807 | - | - | 2.973 | - | - | - | - | - | 103.976 |
| Total Gross/Weapon System Cost | | | - | - | 164.404 | - | - | 201.939 | - | - | 178.871 | - | - | 187.458 | - | - | 610.695 | - | - | 3,690.945 |

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

*For Items, Title represents the Item Number / Title [DODIC]. For the P-3a, Title represents the Modification Number / Title.

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| Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft | | P-1 Line Item Number / Title: F02200 / F-22A |
| ID Code (A=Service Ready, B=Not Service Ready) : | Program Elements for Code B Items: 0207138F | Other Related Program Elements: 0207138F |
| Line Item MDAP/MAIS Code: 265 | Item MDAP/MAIS Code(s): | |
| Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding. | | |

Justification:

Where applicable, justification for individual modifications is provided in the P-3A exhibits.

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | Date: March 2014 | | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | | | | P-1 Line Item Number / Title: F02200 / F-22A | | | | Modification Number / Title: 1 / INCREMENT 3.1 | | | | |

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|---|--------------------|----------------|----------------|---------------------|---------------------|----------------------|----------------|----------------|----------------|----------------|--------------------|----------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 199.846 | 30.710 | 12.701 | 12.891 | - | 12.891 | 9.511 | 4.308 | - | - | - | 269.967 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (<i>\$ in Millions</i>) | 199.846 | 30.710 | 12.701 | 12.891 | - | 12.891 | 9.511 | 4.308 | - | - | - | 269.967 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 199.846 | 30.710 | 12.701 | 12.891 | - | 12.891 | 9.511 | 4.308 | - | - | - | 269.967 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial Spares (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

Increment 3.1 hardware modifications enable the F-22 to host Increment 3.1 capabilities including retargeting Joint Direct Attack Munitions (JDAM), carriage and delivery of the Small Diameter Bomb (SDB) on preplanned missions using the Joint Mission Planning System (JMPS), using Synthetic Aperture Radar (SAR) Air-to-Ground radar mode to permit attack of emerging targets, and saving SAR imagery onto the Tactical Data Transfer System (TDTs) for post-mission analysis.

Increment 3.1 modernizes F-22 aircraft with Enhanced Central Integrated Processor (ECIP) cards, a new Map Inter-Face (MIF) board for the 4th generation APG-77VI radar, a modification to the GPS Inertial Navigation System (GINS), and a TDTs.

Kit installations are done either at the depot or by a contractor field team depending on the complexity of the effort.

Increment 3.1 includes Mission Support Requirements.

Milestone/Development Status

Development complete.

| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|-------------------------------|----------------------------|----------------|----------------|---------------------|--------------------|----------------------|----------------|----------------|----------------|----------------|
| AF | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 8.292 | 12.701 | 12.891 | - | 12.891 | 5.230 | 0.129 | - | - |
| AFNG | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 22.418 | - | - | - | - | 4.281 | 4.179 | - | - |
| Total: | Quantity | - | - | - | - | - | - | - | - | - |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | Date: March 2014 |
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| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | P-1 Line Item Number / Title: F02200 / F-22A | Modification Number / Title: 1 / INCREMENT 3.1 |
|---|--|--|

| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|------------------------|----------------------------|---------|---------|-----------------|----------------|------------------|---------|---------|---------|---------|
| Secondary Distribution | Total Obligation Authority | 30.710 | 12.701 | 12.891 | - | 12.891 | 9.511 | 4.308 | - | - |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | | | | Date: March 2014 | | | |
|---|--------------------------------|--------------------------------|--------------------------------|--|--|--------------------------------|--------------------------------|--|--------------------------------|--|--------------------------------|--------------------------------|--|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | | | | | P-1 Line Item Number / Title: F02200 / F-22A | | | | | Modification Number / Title: 1 / INCREMENT 3.1 | | | |
| Models of Systems Affected: F-22 | | | | Modification Type: Capability Improvement | | | | Related RDT&E PEs: 0207138F | | | | | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total | |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | |
| RDT&E PE # | | | | | | | | | | | | | |
| 0207138F | - / 639.991 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 639.991 | |
| Procurement | | | | | | | | | | | | | |
| Modification Item 1 of 1: Increment 31 | | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| Increment 31:INSTALL KITS Group A (Active) | - / 1.430 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 1.430 | |
| Subtotal: Recurring | - / 1.430 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 1.430 | |
| B Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| Increment 31:EQUIPMENT Group B (Active) | 123 / 168.210 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 123 / 168.210 | |
| Increment 31:EQUIPMENT Group B (Guard) | 9 / 12.960 | 11 / 22.418 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 20 / 35.378 | |
| Subtotal: Recurring | - / 181.170 | - / 22.418 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 203.588 | |
| Subtotal: Increment 31 | - / 182.600 | - / 22.418 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 205.018 | |
| Subtotal: Procurement, All Modification Items | - / 182.600 | - / 22.418 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 205.018 | |
| Support (All Modification Items) | | | | | | | | | | | | | |
| GROUP B: TOTAL NONRECURRING | - / 5.778 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 5.778 | |
| SIM/TRAINER | 20 / 4.235 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 20 / 4.235 | |
| PMA - Other Gov't Costs | - / - | - / 0.781 | - / 0.368 | - / 0.491 | - / - | - / 0.491 | - / 0.170 | - / 0.129 | - / - | - / - | - / - | - / 1.939 | |
| Subtotal: Support | 20 / 10.013 | - / 0.781 | - / 0.368 | - / 0.491 | - / - | - / 0.491 | - / 0.170 | - / 0.129 | - / - | - / - | - / - | 20 / 11.952 | |
| Installation | | | | | | | | | | | | | |
| Modification Item 1 of 1: Increment 31 | 30 / 7.233 | 23 / 7.511 | 27 / 12.333 | 30 / 12.400 | - / - | 30 / 12.400 | 24 / 9.341 | 9 / 4.179 | - / - | - / - | - / - | 143 / 52.997 | |
| Subtotal: Installation | 30 / 7.233 | 23 / 7.511 | 27 / 12.333 | 30 / 12.400 | - / - | 30 / 12.400 | 24 / 9.341 | 9 / 4.179 | - / - | - / - | - / - | 143 / 52.997 | |
| Total | | | | | | | | | | | | | |
| Total Cost (Procurement + Support + Installation) | 199.846 | 30.710 | 12.701 | 12.891 | - | 12.891 | 9.511 | 4.308 | - | - | - | 269.967 | |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | Date: March 2014 | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | | | P-1 Line Item Number / Title: F02200 / F-22A | | | | Modification Number / Title: 1 / INCREMENT 3.1 | | | |
| Models of Systems Affected: | | Modification Type: Capability Improvement | | Related RDT&E PEs: 0207138F | | | | | | |
| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
| | | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Procurement | | | | | | | | | | |
| Modification Item 1 of 1: Increment 31 | | | | | | | | | | |
| AFNG | | - / 22.418 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| <i>Subtotal: Increment 31 Secondary Distribution</i> | | - / 22.418 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| <i>Subtotal: Procurement, All Modification Items</i> | | - / 22.418 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| Support | | | | | | | | | | |
| AF | | - / 0.781 | - / 0.368 | - / 0.491 | - / - | - / 0.491 | - / 0.170 | - / 0.129 | - / - | - / - |
| <i>Subtotal: Support</i> | | - / 0.781 | - / 0.368 | - / 0.491 | - / - | - / 0.491 | - / 0.170 | - / 0.129 | - / - | - / - |
| Installation | | | | | | | | | | |
| Modification Item 1 of 1: Increment 31 | | | | | | | | | | |
| Depot | | | | | | | | | | |
| AF | | 23 / 7.511 | 27 / 12.333 | 30 / 12.400 | - / - | 30 / 12.400 | 13 / 5.060 | - / - | - / - | - / - |
| AFNG | | - / - | - / - | - / - | - / - | - / - | 11 / 4.281 | 9 / 4.179 | - / - | - / - |
| <i>Subtotal: Depot</i> | | 23 / 7.511 | 27 / 12.333 | 30 / 12.400 | - / - | 30 / 12.400 | 24 / 9.341 | 9 / 4.179 | - / - | - / - |
| <i>Subtotal: Increment 31</i> | | 23 / 7.511 | 27 / 12.333 | 30 / 12.400 | - / - | 30 / 12.400 | 24 / 9.341 | 9 / 4.179 | - / - | - / - |
| <i>Subtotal: Installation</i> | | 23 / 7.511 | 27 / 12.333 | 30 / 12.400 | - / - | 30 / 12.400 | 24 / 9.341 | 9 / 4.179 | - / - | - / - |
| Total | | | | | | | | | | |
| Total: Secondary Distribution, All Modification Items | | - / 30.710 | - / 12.701 | - / 12.891 | - / - | - / 12.891 | - / 9.511 | - / 4.308 | - / - | - / - |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | P-1 Line Item Number / Title: F02200 / F-22A | Modification Number / Title: 1 / INCREMENT 3.1 |

Modification Item 1 of 1: Increment 31

Modification Item MDAP/MAIS Code:

Manufacturer Information

| | |
|--|--|
| Manufacturer Name: Lockheed Martin | Manufacturer Location: Palmdale/Hill AFB |
| Administrative Leadtime (in Months): 7 | Production Leadtime (in Months): 30 |

| Dates | FY 2013 | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|----------------|----------|---------|---------|---------|---------|---------|---------|
| Contract Dates | Apr 2013 | | | | | | |
| Delivery Dates | Oct 2015 | | | | | | |

Installation Information

Method of Implementation: Depot

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|-------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | 30 / 7.233 | 23 / 7.511 | 27 / 12.333 | 30 / 12.400 | - / - | 30 / 12.400 | 22 / 8.563 | - / - | - / - | - / - | - / - | 132 / 48.040 |
| Secondary Distribution - AF | - / - | 23 / 7.511 | 27 / 12.333 | 30 / 12.400 | - / - | 30 / 12.400 | 13 / 5.060 | - / - | - / - | - / - | - / - | - / - |
| Secondary Distribution - AFNG | - / - | - / - | - / - | - / - | - / - | - / - | 9 / 3.503 | - / - | - / - | - / - | - / - | - / - |
| FY 2013 | - / - | - / - | - / - | - / - | - / - | - / - | 2 / 0.778 | 9 / 4.179 | - / - | - / - | - / - | 11 / 4.957 |
| Secondary Distribution - AFNG | - / - | - / - | - / - | - / - | - / - | - / - | 2 / 0.778 | 9 / 4.179 | - / - | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2016 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2017 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2018 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2019 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| To Complete | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | 30 / 7.233 | 23 / 7.511 | 27 / 12.333 | 30 / 12.400 | - / - | 30 / 12.400 | 24 / 9.341 | 9 / 4.179 | - / - | - / - | - / - | 143 / 52.997 |
| Secondary Distribution - AF | - / - | 23 / 7.511 | 27 / 12.333 | 30 / 12.400 | - / - | 30 / 12.400 | 13 / 5.060 | - / - | - / - | - / - | - / - | - / - |
| Secondary Distribution - AFNG | - / - | - / - | - / - | - / - | - / - | - / - | 11 / 4.281 | 9 / 4.179 | - / - | - / - | - / - | - / - |

Installation Schedule

| | PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | | FY 2016 | | | | FY 2017 | | | | FY 2018 | | | | FY 2019 | | | | TC | Tot | |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|-----|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | | |
| In | 30 | 5 | 5 | 6 | 7 | 7 | 8 | 9 | 3 | 7 | 7 | 7 | 9 | 6 | 6 | 6 | 6 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 143 |
| Out | 24 | 6 | 5 | 5 | 6 | 7 | 7 | 8 | 9 | 3 | 7 | 7 | 7 | 9 | 6 | 6 | 6 | 6 | 7 | 2 | - | - | - | - | - | - | - | - | - | - | - | 143 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | Date: March 2014 | | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | | | | P-1 Line Item Number / Title: F02200 / F-22A | | | Modification Number / Title: 2 / Reliability and Maintainability Maturation Program | | | | | |

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|---|--------------------|----------------|----------------|---------------------|---------------------|----------------------|----------------|----------------|----------------|----------------|--------------------|------------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 647.655 | 127.689 | 126.123 | 104.318 | - | 104.318 | 97.485 | 97.198 | 91.284 | 73.699 | - | 1,365.451 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (<i>\$ in Millions</i>) | 647.655 | 127.689 | 126.123 | 104.318 | - | 104.318 | 97.485 | 97.198 | 91.284 | 73.699 | - | 1,365.451 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 647.655 | 127.689 | 126.123 | 104.318 | - | 104.318 | 97.485 | 97.198 | 91.284 | 73.699 | - | 1,365.451 |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> | | | | | | | | | | | | |
| Initial Spares (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

The Reliability, Availability, and Maintainability Maturation Program (RAMMP) provides for the development and integration of upgrades to improve reliability, availability and maintainability (RAM). The associated RAMMP effort develops candidate RAMMP initiatives which are down-selected for implementation based on their development maturity and impact on F-22 life cycle costs. RAMMP also includes depot touch labor and throughput for diminishing manufacturing sources projects, modifications to address corrosion, and urgent response requirements for the aircraft such as Automatic Back-Up Oxygen System (ABOS). RAMMP retrofit kit purchases currently include individual RAMMP projects, totaling over 2,100 kits. In FY2015 and FY2016 RAMMP kit purchases and installs will include Configurable Rail Launchers (CRL) AIM-9X extension kits required to modify the existing CRLs to carry AIM-9X missiles. F-22 availability has improved from approximately 40% to approximately 61% by end of FY2013. Kit installations are done either at the depot or by a contractor field team depending on the complexity of the effort. RAMMP includes Mission Support Requirements.

Milestone/Development Status

The development effort continually provides Research and Development projects to increase Reliability, Availability, and Maintainability of the aircraft through the FYDP. As these projects are tested and qualified, they are implemented via the retrofit program.

| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|-------------------------------|----------------------------|----------------|----------------|---------------------|--------------------|----------------------|----------------|----------------|----------------|----------------|
| AF | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 116.277 | 108.952 | 92.653 | - | 92.653 | 84.951 | 87.215 | 82.396 | 65.486 |
| AFNG | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 11.412 | 17.171 | 11.665 | - | 11.665 | 12.534 | 9.983 | 8.888 | 8.213 |
| Total: | Quantity | - | - | - | - | - | - | - | - | - |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | Date: March 2014 | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | | | P-1 Line Item Number / Title: F02200 / F-22A | | | Modification Number / Title: 2 / Reliability and Maintainability Maturation Program | | | | |
| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
| Secondary Distribution | Total Obligation Authority | 127.689 | 126.123 | 104.318 | - | 104.318 | 97.485 | 97.198 | 91.284 | 73.699 |

| | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|
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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | | | | Date: March 2014 | | | |
|---|---------------------------------------|---------------------------------------|---------------------------------------|---|--|---------------------------------------|---------------------------------------|--|---------------------------------------|--|---------------------------------------|---------------------------------------|--|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | | | | | P-1 Line Item Number / Title: F02200 / F-22A | | | | | Modification Number / Title: 2 / Reliability and Maintainability Maturation Program | | | |
| Models of Systems Affected: F-22 | | | | Modification Type: Reliability & Maintainability | | | | Related RDT&E PEs: 0207138F | | | | | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total | |
| | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | |
| Procurement | | | | | | | | | | | | | |
| <i>Modification Item 1 of 1: RAMMP Kits</i> | | | | | | | | | | | | | |
| B Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| RAMMP Kits:EQUIPMENT Group B (Active) | 1,574 / 404.291 | 441 / 53.658 | 1,733 / 60.793 | 1,241 / 37.611 | - / - | 1,241 / 37.611 | 948 / 39.951 | 1,104 / 47.860 | 946 / 43.967 | 946 / 31.137 | - / - | 8,933 / 719.268 | |
| RAMMP Kits:EQUIPMENT Group B (Guard) | 196 / 19.298 | 60 / 8.812 | 324 / 6.836 | 197 / 6.637 | - / - | 197 / 6.637 | 86 / 5.671 | 34 / 3.120 | 14 / 2.025 | 14 / 2.166 | - / - | 925 / 54.565 | |
| <i>Subtotal: Recurring</i> | <i>- / 423.589</i> | <i>- / 62.470</i> | <i>- / 67.629</i> | <i>- / 44.248</i> | <i>- / -</i> | <i>- / 44.248</i> | <i>- / 45.622</i> | <i>- / 50.980</i> | <i>- / 45.992</i> | <i>- / 33.303</i> | <i>- / -</i> | <i>- / 773.833</i> | |
| <i>Subtotal: RAMMP Kits</i> | <i>- / 423.589</i> | <i>- / 62.470</i> | <i>- / 67.629</i> | <i>- / 44.248</i> | <i>- / -</i> | <i>- / 44.248</i> | <i>- / 45.622</i> | <i>- / 50.980</i> | <i>- / 45.992</i> | <i>- / 33.303</i> | <i>- / -</i> | <i>- / 773.833</i> | |
| <i>Subtotal: Procurement, All Modification Items</i> | <i>- / 423.589</i> | <i>- / 62.470</i> | <i>- / 67.629</i> | <i>- / 44.248</i> | <i>- / -</i> | <i>- / 44.248</i> | <i>- / 45.622</i> | <i>- / 50.980</i> | <i>- / 45.992</i> | <i>- / 33.303</i> | <i>- / -</i> | <i>- / 773.833</i> | |
| Support (All Modification Items) | | | | | | | | | | | | | |
| PMA - Other Gov't Costs | - / 6.172 | - / 3.111 | - / 3.232 | - / 4.289 | - / - | - / 4.289 | - / 1.517 | - / 2.047 | - / 0.801 | - / 1.420 | - / - | - / 22.589 | |
| <i>Subtotal: Support</i> | <i>- / 6.172</i> | <i>- / 3.111</i> | <i>- / 3.232</i> | <i>- / 4.289</i> | <i>- / -</i> | <i>- / 4.289</i> | <i>- / 1.517</i> | <i>- / 2.047</i> | <i>- / 0.801</i> | <i>- / 1.420</i> | <i>- / -</i> | <i>- / 22.589</i> | |
| Installation | | | | | | | | | | | | | |
| <i>Modification Item 1 of 1: RAMMP Kits</i> | 1,770 / 217.894 | 501 / 62.108 | 2,057 / 55.262 | 1,438 / 55.781 | - / - | 1,438 / 55.781 | 1,034 / 50.346 | 1,138 / 44.171 | 960 / 44.491 | 960 / 38.976 | - / - | 9,858 / 569.029 | |
| <i>Subtotal: Installation</i> | <i>1,770 / 217.894</i> | <i>501 / 62.108</i> | <i>2,057 / 55.262</i> | <i>1,438 / 55.781</i> | <i>- / -</i> | <i>1,438 / 55.781</i> | <i>1,034 / 50.346</i> | <i>1,138 / 44.171</i> | <i>960 / 44.491</i> | <i>960 / 38.976</i> | <i>- / -</i> | <i>9,858 / 569.029</i> | |
| Total | | | | | | | | | | | | | |
| Total Cost (Procurement + Support + Installation) | 647.655 | 127.689 | 126.123 | 104.318 | - | 104.318 | 97.485 | 97.198 | 91.284 | 73.699 | - | 1,365.451 | |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | Date: March 2014 | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | | | P-1 Line Item Number / Title: F02200 / F-22A | | | Modification Number / Title: 2 / Reliability and Maintainability Maturation Program | | | | |
| Models of Systems Affected: | | Modification Type: Reliability & Maintainability | | Related RDT&E PEs: 0207138F | | | | | | |
| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
| | | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Procurement | | | | | | | | | | |
| Modification Item 1 of 1: RAMMP Kits | | | | | | | | | | |
| AF | | - / 53.658 | - / 60.793 | - / 37.611 | - / - | - / 37.611 | - / 39.951 | - / 47.860 | - / 43.967 | - / 31.137 |
| AFNG | | - / 8.812 | - / 6.836 | - / 6.637 | - / - | - / 6.637 | - / 5.671 | - / 3.120 | - / 2.025 | - / 2.166 |
| <i>Subtotal: RAMMP Kits Secondary Distribution</i> | | - / 62.470 | - / 67.629 | - / 44.248 | - / - | - / 44.248 | - / 45.622 | - / 50.980 | - / 45.992 | - / 33.303 |
| <i>Subtotal: Procurement, All Modification Items</i> | | - / 62.470 | - / 67.629 | - / 44.248 | - / - | - / 44.248 | - / 45.622 | - / 50.980 | - / 45.992 | - / 33.303 |
| Support | | | | | | | | | | |
| AF | | - / 3.111 | - / 3.232 | - / 4.289 | - / - | - / 4.289 | - / 1.517 | - / 2.047 | - / 0.801 | - / 1.420 |
| <i>Subtotal: Support</i> | | - / 3.111 | - / 3.232 | - / 4.289 | - / - | - / 4.289 | - / 1.517 | - / 2.047 | - / 0.801 | - / 1.420 |
| Installation | | | | | | | | | | |
| Modification Item 1 of 1: RAMMP Kits | | | | | | | | | | |
| Contract Field Team | | | | | | | | | | |
| AF | | - / - | - / - | 248 / 16.145 | - / - | 248 / 16.145 | 190 / 7.778 | 221 / 7.778 | 189 / 7.778 | 189 / 6.824 |
| <i>Subtotal: Contract Field Team</i> | | - / - | - / - | 248 / 16.145 | - / - | 248 / 16.145 | 190 / 7.778 | 221 / 7.778 | 189 / 7.778 | 189 / 6.824 |
| Depot | | | | | | | | | | |
| AF | | 442 / 59.508 | 1,733 / 44.927 | 993 / 34.608 | - / - | 993 / 34.608 | 758 / 35.705 | 883 / 29.530 | 757 / 29.850 | 757 / 26.105 |
| AFNG | | 59 / 2.600 | 324 / 10.335 | 197 / 5.028 | - / - | 197 / 5.028 | 86 / 6.863 | 34 / 6.863 | 14 / 6.863 | 14 / 6.047 |
| <i>Subtotal: Depot</i> | | 501 / 62.108 | 2,057 / 55.262 | 1,190 / 39.636 | - / - | 1,190 / 39.636 | 844 / 42.568 | 917 / 36.393 | 771 / 36.713 | 771 / 32.152 |
| <i>Subtotal: RAMMP Kits</i> | | 501 / 62.108 | 2,057 / 55.262 | 1,438 / 55.781 | - / - | 1,438 / 55.781 | 1,034 / 50.346 | 1,138 / 44.171 | 960 / 44.491 | 960 / 38.976 |
| <i>Subtotal: Installation</i> | | 501 / 62.108 | 2,057 / 55.262 | 1,438 / 55.781 | - / - | 1,438 / 55.781 | 1,034 / 50.346 | 1,138 / 44.171 | 960 / 44.491 | 960 / 38.976 |
| Total | | | | | | | | | | |
| Total: Secondary Distribution, All Modification Items | | - / 127.689 | - / 126.123 | - / 104.318 | - / - | - / 104.318 | - / 97.485 | - / 97.198 | - / 91.284 | - / 73.699 |

UNCLASSIFIED

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | P-1 Line Item Number / Title: F02200 / F-22A | Modification Number / Title: 2 / Reliability and Maintainability Maturation Program |

Modification Item 1 of 1: RAMMP Kits

Modification Item MDAP/MAIS Code:

Manufacturer Information

| | |
|--|--|
| Manufacturer Name: Lockheed Martin | Manufacturer Location: Palmdale/Hill AFB |
| Administrative Leadtime (in Months): 3 | Production Leadtime (in Months): 0 |

| Dates | FY 2013 | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|----------------|----------|----------|----------|----------|----------|----------|----------|
| Contract Dates | Jan 2013 | Jan 2014 | Jan 2015 | Jan 2016 | Jan 2017 | Jan 2018 | Jan 2019 |
| Delivery Dates | Jan 2013 | Jan 2014 | Jan 2015 | Jan 2016 | Jan 2017 | Jan 2018 | Jan 2019 |

Installation Information

Method of Implementation: Contract Field Team

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|-----------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2013 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2015 | - / - | - / - | - / - | 248 / 16.145 | - / - | 248 / 16.145 | - / - | - / - | - / - | - / - | - / - | 248 / 16.145 |
| Secondary Distribution - AF | - / - | - / - | - / - | 248 / 16.145 | - / - | 248 / 16.145 | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2016 | - / - | - / - | - / - | - / - | - / - | - / - | 190 / 7.778 | - / - | - / - | - / - | - / - | 190 / 7.778 |
| Secondary Distribution - AF | - / - | - / - | - / - | - / - | - / - | - / - | 190 / 7.778 | - / - | - / - | - / - | - / - | - / - |
| FY 2017 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 221 / 7.778 | - / - | - / - | - / - | 221 / 7.778 |
| Secondary Distribution - AF | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 221 / 7.778 | - / - | - / - | - / - | - / - |
| FY 2018 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 189 / 7.778 | - / - | - / - | 189 / 7.778 |
| Secondary Distribution - AF | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 189 / 7.778 | - / - | - / - | - / - |
| FY 2019 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 189 / 6.824 | - / - | 189 / 6.824 |
| Secondary Distribution - AF | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 189 / 6.824 | - / - | - / - |
| To Complete | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | - / - | - / - | - / - | 248 / 16.145 | - / - | 248 / 16.145 | 190 / 7.778 | 221 / 7.778 | 189 / 7.778 | 189 / 6.824 | - / - | 1,037 / 46.303 |
| Secondary Distribution - AF | - / - | - / - | - / - | 248 / 16.145 | - / - | 248 / 16.145 | 190 / 7.778 | 221 / 7.778 | 189 / 7.778 | 189 / 6.824 | - / - | - / - |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | P-1 Line Item Number / Title: F02200 / F-22A | Modification Number / Title: 2 / Reliability and Maintainability Maturation Program |

Modification Item 1 of 1: RAMMP Kits

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Contract Field Team

Installation Schedule

| | PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | | FY 2016 | | | | FY 2017 | | | | FY 2018 | | | | FY 2019 | | | | TC | Tot |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-------|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | |
| In | 0 | - | - | - | - | - | - | - | - | 62 | 62 | 62 | 62 | 47 | 47 | 48 | 48 | 55 | 55 | 55 | 56 | 47 | 47 | 47 | 48 | 47 | 47 | 47 | 48 | - | 1,037 |
| Out | 0 | - | - | - | - | - | - | - | - | 62 | 62 | 62 | 62 | 47 | 47 | 48 | 48 | 55 | 55 | 55 | 56 | 47 | 47 | 47 | 48 | 47 | 47 | 47 | 48 | - | 1,037 |

Method of Implementation: Depot

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|-------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | 1,770 / 217.894 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 1,770 / 217.894 |
| FY 2013 | - / - | 501 / 62.108 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 501 / 62.108 |
| Secondary Distribution - AF | - / - | 442 / 59.508 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| Secondary Distribution - AFNG | - / - | 59 / 2.600 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | 2,057 / 55.262 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 2,057 / 55.262 |
| Secondary Distribution - AF | - / - | - / - | 1,733 / 44.927 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| Secondary Distribution - AFNG | - / - | - / - | 324 / 10.335 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2015 | - / - | - / - | - / - | 1,190 / 39.636 | - / - | 1,190 / 39.636 | - / - | - / - | - / - | - / - | - / - | 1,190 / 39.636 |
| Secondary Distribution - AF | - / - | - / - | - / - | 993 / 34.608 | - / - | 993 / 34.608 | - / - | - / - | - / - | - / - | - / - | - / - |
| Secondary Distribution - AFNG | - / - | - / - | - / - | 197 / 5.028 | - / - | 197 / 5.028 | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2016 | - / - | - / - | - / - | - / - | - / - | - / - | 844 / 42.568 | - / - | - / - | - / - | - / - | 844 / 42.568 |
| Secondary Distribution - AF | - / - | - / - | - / - | - / - | - / - | - / - | 758 / 35.705 | - / - | - / - | - / - | - / - | - / - |
| Secondary Distribution - AFNG | - / - | - / - | - / - | - / - | - / - | - / - | 86 / 6.863 | - / - | - / - | - / - | - / - | - / - |
| FY 2017 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 917 / 36.393 | - / - | - / - | - / - | 917 / 36.393 |
| Secondary Distribution - AF | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 883 / 29.530 | - / - | - / - | - / - | - / - |
| Secondary Distribution - AFNG | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 34 / 6.863 | - / - | - / - | - / - | - / - |
| FY 2018 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 771 / 36.713 | - / - | - / - | 771 / 36.713 |
| Secondary Distribution - AF | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 757 / 29.850 | - / - | - / - | - / - |
| Secondary Distribution - AFNG | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 14 / 6.863 | - / - | - / - | - / - |
| FY 2019 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 771 / 32.152 | - / - | 771 / 32.152 |
| Secondary Distribution - AF | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 757 / 26.105 | - / - | - / - |
| Secondary Distribution - AFNG | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 14 / 6.047 | - / - | - / - |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | P-1 Line Item Number / Title: F02200 / F-22A | Modification Number / Title: 2 / Reliability and Maintainability Maturation Program |

Modification Item 1 of 1: RAMMP Kits

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Depot

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|-------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| To Complete | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | 1,770 / 217.894 | 501 / 62.108 | 2,057 / 55.262 | 1,190 / 39.636 | - / - | 1,190 / 39.636 | 844 / 42.568 | 917 / 36.393 | 771 / 36.713 | 771 / 32.152 | - / - | 8,821 / 522.726 |
| Secondary Distribution - AF | - / - | 442 / 59.508 | 1,733 / 44.927 | 993 / 34.608 | - / - | 993 / 34.608 | 758 / 35.705 | 883 / 29.530 | 757 / 29.850 | 757 / 26.105 | - / - | - / - |
| Secondary Distribution - AFNG | - / - | 59 / 2.600 | 324 / 10.335 | 197 / 5.028 | - / - | 197 / 5.028 | 86 / 6.863 | 34 / 6.863 | 14 / 6.863 | 14 / 6.047 | - / - | - / - |

Installation Schedule

| | PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | | FY 2016 | | | | FY 2017 | | | | FY 2018 | | | | FY 2019 | | | | TC | Tot |
|-----|-------|---------|-----|-----|-----|---------|-----|-----|-----|---------|-----|-----|-----|---------|-----|-----|-----|---------|-----|-----|-----|---------|-----|-----|-----|---------|-----|-----|-----|----|-------|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | |
| In | 1,770 | 125 | 125 | 125 | 126 | 514 | 514 | 514 | 515 | 297 | 297 | 298 | 298 | 211 | 211 | 211 | 211 | 229 | 229 | 229 | 230 | 192 | 193 | 193 | 193 | 192 | 193 | 193 | 193 | - | 8,821 |
| Out | 1,770 | 125 | 125 | 125 | 126 | 514 | 514 | 514 | 515 | 297 | 297 | 298 | 298 | 211 | 211 | 211 | 211 | 229 | 229 | 229 | 230 | 192 | 193 | 193 | 193 | 192 | 193 | 193 | 193 | - | 8,821 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | Date: March 2014 | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | | | P-1 Line Item Number / Title: F02200 / F-22A | | | | Modification Number / Title: 3 / F119 Engine Modifications | | | | |

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|---|--------------------|----------------|----------------|---------------------|---------------------|----------------------|----------------|----------------|----------------|----------------|--------------------|----------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 18.374 | 10.147 | 27.382 | 17.487 | - | 17.487 | 15.273 | 36.387 | 36.905 | 31.352 | 2.308 | 195.615 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (<i>\$ in Millions</i>) | 18.374 | 10.147 | 27.382 | 17.487 | - | 17.487 | 15.273 | 36.387 | 36.905 | 31.352 | 2.308 | 195.615 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 18.374 | 10.147 | 27.382 | 17.487 | - | 17.487 | 15.273 | 36.387 | 36.905 | 31.352 | 2.308 | 195.615 |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> | | | | | | | | | | | | |
| Initial Spares (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

This program includes both the F119 Engine modifications and the Item Unique Identification Description marking initiative (IUID), which includes procurement of support equipment (SE) fixtures and tooling to support marking of engine components, depot and SE tooling to support F119 Engine modifications. This program funds modifications for engines in 181 aircraft and approximately 95 whole engine spares. Quantities reflect individual kit procurement and installation. Engine modifications are necessary to improve the safety, reliability, maintainability, sustainability, mission performance, and affordability of the F119 engine in order to achieve full life status of 8,650 Total Accumulated Cycles (TAC). Engine depot inductions and inspections are funded through this program including depot and support equipment (SE) tooling for F119 Engine Parts to support F119 Engine depot modifications. Engines enter into depot induction, get inspected and when new issues are discovered, corrections are developed via the engine Component Improvement Program (CIP), PE 0207268F, and are implemented via modifications. Induction inspections are based on TAC counts. The 2,150 TAC inductions began in FY11 and carry through FY14 with another inspection required at 2,300 TAC. The next phase of inductions will occur at 4,325 TACs, also known as half-life inspections. These inspections began in the second half of FY13 and will continue through the FYDP. The 4,325 TAC inspections will refurbish the F-119 Engine in order to achieve full life of 8,650 TACs. Inspections may generate maintenance and repair actions that will require engine modifications. Kit installations are done either at the depot or by field teams depending on the complexity of the effort. F119 Engine Modifications includes Mission Support Requirements.

Milestone/Development Status

Development accomplished via the Engine Component Improvement Program (CIP), PE 0207268F.

| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|-------------------------------|----------------------------|----------------|----------------|---------------------|--------------------|----------------------|----------------|----------------|----------------|----------------|
| AF | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 9.216 | 24.246 | 15.856 | - | 15.856 | 13.826 | 33.507 | 34.301 | 28.872 |
| AFNG | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 0.931 | 3.136 | 1.631 | - | 1.631 | 1.447 | 2.880 | 2.604 | 2.480 |
| Total: | Quantity | - | - | - | - | - | - | - | - | - |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | Date: March 2014 |
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| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | P-1 Line Item Number / Title: F02200 / F-22A | Modification Number / Title: 3 / F119 Engine Modifications |
|---|--|--|

| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|------------------------|----------------------------|---------|---------|-----------------|----------------|------------------|---------|---------|---------|---------|
| Secondary Distribution | Total Obligation Authority | 10.147 | 27.382 | 17.487 | - | 17.487 | 15.273 | 36.387 | 36.905 | 31.352 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | | | | Date: March 2014 | | | |
|---|--------------------------------|--------------------------------|--------------------------------|---------------------------------|--|--------------------------------|--------------------------------|--|--------------------------------|--|--------------------------------|--------------------------------|--|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | | | | | P-1 Line Item Number / Title: F02200 / F-22A | | | | | Modification Number / Title: 3 / F119 Engine Modifications | | | |
| Models of Systems Affected: F-22 | | | | Modification Type: Other | | | | Related RDT&E PEs: 0207138F | | | | | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total | |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | |
| Procurement | | | | | | | | | | | | | |
| <i>Modification Item 1 of 1: Engine Modification Kits</i> | | | | | | | | | | | | | |
| B Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| Engine Modification Kits:EQUIPMENT Group B (Active) | 1,437 / 16.472 | 100 / 7.427 | 1,172 / 18.666 | 1,375 / 12.155 | - / - | 1,375 / 12.155 | 1,064 / 11.730 | 909 / 24.923 | 978 / 27.288 | 839 / 22.692 | - / - | 7,874 / 141.353 | |
| Engine Modification Kits:EQUIPMENT Group B (Guard) | 106 / 0.868 | 96 / 0.807 | 104 / 3.067 | 149 / 1.321 | - / - | 149 / 1.321 | 116 / 1.274 | 99 / 2.014 | 106 / 2.421 | 91 / 2.465 | - / - | 867 / 14.237 | |
| <i>Subtotal: Recurring</i> | - / 17.340 | - / 8.234 | - / 21.733 | - / 13.476 | - / - | - / 13.476 | - / 13.004 | - / 26.937 | - / 29.709 | - / 25.157 | - / - | - / 155.590 | |
| <i>Subtotal: Engine Modification Kits</i> | - / 17.340 | - / 8.234 | - / 21.733 | - / 13.476 | - / - | - / 13.476 | - / 13.004 | - / 26.937 | - / 29.709 | - / 25.157 | - / - | - / 155.590 | |
| <i>Subtotal: Procurement, All Modification Items</i> | - / 17.340 | - / 8.234 | - / 21.733 | - / 13.476 | - / - | - / 13.476 | - / 13.004 | - / 26.937 | - / 29.709 | - / 25.157 | - / - | - / 155.590 | |
| Support (All Modification Items) | | | | | | | | | | | | | |
| PMA - Other Gov't Costs | - / - | - / 0.647 | - / 0.913 | - / 0.848 | - / - | - / 0.848 | - / 0.508 | - / 0.787 | - / 0.329 | - / 1.044 | - / - | - / 5.076 | |
| <i>Subtotal: Support</i> | - / - | - / 0.647 | - / 0.913 | - / 0.848 | - / - | - / 0.848 | - / 0.508 | - / 0.787 | - / 0.329 | - / 1.044 | - / - | - / 5.076 | |
| Installation | | | | | | | | | | | | | |
| <i>Modification Item 1 of 1: Engine Modification Kits</i> | 1,153 / 1.034 | 390 / 1.266 | 196 / 4.736 | 1,276 / 3.163 | - / - | 1,276 / 3.163 | 1,524 / 1.761 | 1,180 / 8.663 | 1,008 / 6.867 | 1,084 / 5.151 | 930 / 2.308 | 8,741 / 34.949 | |
| <i>Subtotal: Installation</i> | 1,153 / 1.034 | 390 / 1.266 | 196 / 4.736 | 1,276 / 3.163 | - / - | 1,276 / 3.163 | 1,524 / 1.761 | 1,180 / 8.663 | 1,008 / 6.867 | 1,084 / 5.151 | 930 / 2.308 | 8,741 / 34.949 | |
| Total | | | | | | | | | | | | | |
| Total Cost (Procurement + Support + Installation) | 18.374 | 10.147 | 27.382 | 17.487 | - | 17.487 | 15.273 | 36.387 | 36.905 | 31.352 | 2.308 | 195.615 | |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | Date: March 2014 | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | | | P-1 Line Item Number / Title: F02200 / F-22A | | | | Modification Number / Title: 3 / F119 Engine Modifications | | | |
| Models of Systems Affected: | | Modification Type: Other | | | Related RDT&E PEs: 0207138F | | | | | |
| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
| | | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Procurement | | | | | | | | | | |
| Modification Item 1 of 1: Engine Modification Kits | | | | | | | | | | |
| AF | | - / 7.427 | - / 18.666 | - / 12.155 | - / - | - / 12.155 | - / 11.730 | - / 24.923 | - / 27.288 | - / 22.692 |
| AFNG | | - / 0.807 | - / 3.067 | - / 1.321 | - / - | - / 1.321 | - / 1.274 | - / 2.014 | - / 2.421 | - / 2.465 |
| <i>Subtotal: Engine Modification Kits Secondary Distribution</i> | | - / 8.234 | - / 21.733 | - / 13.476 | - / - | - / 13.476 | - / 13.004 | - / 26.937 | - / 29.709 | - / 25.157 |
| <i>Subtotal: Procurement, All Modification Items</i> | | - / 8.234 | - / 21.733 | - / 13.476 | - / - | - / 13.476 | - / 13.004 | - / 26.937 | - / 29.709 | - / 25.157 |
| Support | | | | | | | | | | |
| AF | | - / 0.647 | - / 0.913 | - / 0.848 | - / - | - / 0.848 | - / 0.508 | - / 0.787 | - / 0.329 | - / 1.044 |
| <i>Subtotal: Support</i> | | - / 0.647 | - / 0.913 | - / 0.848 | - / - | - / 0.848 | - / 0.508 | - / 0.787 | - / 0.329 | - / 1.044 |
| Installation | | | | | | | | | | |
| Modification Item 1 of 1: Engine Modification Kits | | | | | | | | | | |
| Contract Field Team | | | | | | | | | | |
| AF | | - / - | - / - | 234 / 0.571 | - / - | 234 / 0.571 | 275 / 0.318 | 213 / 0.335 | 172 / 0.337 | 196 / 0.027 |
| <i>Subtotal: Contract Field Team</i> | | - / - | - / - | 234 / 0.571 | - / - | 234 / 0.571 | 275 / 0.318 | 213 / 0.335 | 172 / 0.337 | 196 / 0.027 |
| Depot | | | | | | | | | | |
| AF | | 352 / 1.142 | 100 / 4.667 | 938 / 2.282 | - / - | 938 / 2.282 | 1,100 / 1.270 | 851 / 7.462 | 737 / 6.347 | 782 / 5.109 |
| AFNG | | 38 / 0.124 | 96 / 0.069 | 104 / 0.310 | - / - | 104 / 0.310 | 149 / 0.173 | 116 / 0.866 | 99 / 0.183 | 106 / 0.015 |
| <i>Subtotal: Depot</i> | | 390 / 1.266 | 196 / 4.736 | 1,042 / 2.592 | - / - | 1,042 / 2.592 | 1,249 / 1.443 | 967 / 8.328 | 836 / 6.530 | 888 / 5.124 |
| <i>Subtotal: Engine Modification Kits</i> | | 390 / 1.266 | 196 / 4.736 | 1,276 / 3.163 | - / - | 1,276 / 3.163 | 1,524 / 1.761 | 1,180 / 8.663 | 1,008 / 6.867 | 1,084 / 5.151 |
| <i>Subtotal: Installation</i> | | 390 / 1.266 | 196 / 4.736 | 1,276 / 3.163 | - / - | 1,276 / 3.163 | 1,524 / 1.761 | 1,180 / 8.663 | 1,008 / 6.867 | 1,084 / 5.151 |
| Total | | | | | | | | | | |
| Total: Secondary Distribution, All Modification Items | | - / 10.147 | - / 27.382 | - / 17.487 | - / - | - / 17.487 | - / 15.273 | - / 36.387 | - / 36.905 | - / 31.352 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | P-1 Line Item Number / Title: F02200 / F-22A | Modification Number / Title: 3 / F119 Engine Modifications |

Modification Item 1 of 1: Engine Modification Kits

Modification Item MDAP/MAIS Code:

Manufacturer Information

| | |
|--|---|
| Manufacturer Name: Pratt & Whitney | Manufacturer Location: East Hartford/Tinker AFB |
| Administrative Leadtime (in Months): 3 | Production Leadtime (in Months): 12 |

| Dates | FY 2013 | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|----------------|----------|----------|----------|----------|----------|----------|----------|
| Contract Dates | Jan 2013 | Jan 2014 | Jan 2015 | Jan 2016 | Jan 2017 | Jan 2018 | Jan 2019 |
| Delivery Dates | Jan 2014 | Jan 2015 | Jan 2016 | Jan 2017 | Jan 2018 | Jan 2019 | Jan 2020 |

Installation Information

Method of Implementation: Contract Field Team

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|-----------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2013 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | - / - | 234 / 0.571 | - / - | 234 / 0.571 | - / - | - / - | - / - | - / - | - / - | 234 / 0.571 |
| Secondary Distribution - AF | - / - | - / - | - / - | 234 / 0.571 | - / - | 234 / 0.571 | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - | 275 / 0.318 | - / - | - / - | - / - | - / - | 275 / 0.318 |
| Secondary Distribution - AF | - / - | - / - | - / - | - / - | - / - | - / - | 275 / 0.318 | - / - | - / - | - / - | - / - | - / - |
| FY 2016 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 213 / 0.335 | - / - | - / - | - / - | 213 / 0.335 |
| Secondary Distribution - AF | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 213 / 0.335 | - / - | - / - | - / - | - / - |
| FY 2017 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 172 / 0.337 | - / - | - / - | 172 / 0.337 |
| Secondary Distribution - AF | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 172 / 0.337 | - / - | - / - | - / - |
| FY 2018 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 196 / 0.027 | - / - | 196 / 0.027 |
| Secondary Distribution - AF | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 196 / 0.027 | - / - | - / - |
| FY 2019 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| To Complete | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | - / - | - / - | - / - | 234 / 0.571 | - / - | 234 / 0.571 | 275 / 0.318 | 213 / 0.335 | 172 / 0.337 | 196 / 0.027 | - / - | 1,090 / 1.588 |
| Secondary Distribution - AF | - / - | - / - | - / - | 234 / 0.571 | - / - | 234 / 0.571 | 275 / 0.318 | 213 / 0.335 | 172 / 0.337 | 196 / 0.027 | - / - | - / - |

Installation Schedule

| PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | | FY 2016 | | | | FY 2017 | | | | FY 2018 | | | | FY 2019 | | | | TC | Tot | |
|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|-------|
| | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | | |
| In | 0 | - | - | - | - | - | - | - | - | 58 | 58 | 59 | 59 | 68 | 69 | 69 | 69 | 53 | 53 | 53 | 54 | 43 | 43 | 43 | 43 | 49 | 49 | 49 | 49 | - | 1,090 |
| Out | 0 | - | - | - | - | - | - | - | - | 58 | 58 | 59 | 59 | 68 | 69 | 69 | 69 | 53 | 53 | 53 | 54 | 43 | 43 | 43 | 43 | 49 | 49 | 49 | 49 | - | 1,090 |

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Exhibit P-3a, Individual Modification: PB 2015 Air Force **Date:** March 2014

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| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | P-1 Line Item Number / Title: F02200 / F-22A | Modification Number / Title: 3 / F119 Engine Modifications |
|---|--|--|

Modification Item 1 of 1: Engine Modification Kits

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Depot

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|-------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | 1,153 / 1.034 | 390 / 1.266 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 1,543 / 2.300 |
| Secondary Distribution - AF | - / - | 352 / 1.142 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| Secondary Distribution - AFNG | - / - | 38 / 0.124 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2013 | - / - | - / - | 196 / 4.736 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 196 / 4.736 |
| Secondary Distribution - AF | - / - | - / - | 100 / 4.667 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| Secondary Distribution - AFNG | - / - | - / - | 96 / 0.069 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | - / - | 1,042 / 2.592 | - / - | 1,042 / 2.592 | - / - | - / - | - / - | - / - | - / - | 1,042 / 2.592 |
| Secondary Distribution - AF | - / - | - / - | - / - | 938 / 2.282 | - / - | 938 / 2.282 | - / - | - / - | - / - | - / - | - / - | - / - |
| Secondary Distribution - AFNG | - / - | - / - | - / - | 104 / 0.310 | - / - | 104 / 0.310 | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - | 1,249 / 1.443 | - / - | - / - | - / - | - / - | 1,249 / 1.443 |
| Secondary Distribution - AF | - / - | - / - | - / - | - / - | - / - | - / - | 1,100 / 1.270 | - / - | - / - | - / - | - / - | - / - |
| Secondary Distribution - AFNG | - / - | - / - | - / - | - / - | - / - | - / - | 149 / 0.173 | - / - | - / - | - / - | - / - | - / - |
| FY 2016 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 967 / 8.328 | - / - | - / - | - / - | 967 / 8.328 |
| Secondary Distribution - AF | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 851 / 7.462 | - / - | - / - | - / - | - / - |
| Secondary Distribution - AFNG | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 116 / 0.866 | - / - | - / - | - / - | - / - |
| FY 2017 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 836 / 6.530 | - / - | - / - | 836 / 6.530 |
| Secondary Distribution - AF | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 737 / 6.347 | - / - | - / - | - / - |
| Secondary Distribution - AFNG | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 99 / 0.183 | - / - | - / - | - / - |
| FY 2018 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 888 / 5.124 | - / - | 888 / 5.124 |
| Secondary Distribution - AF | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 782 / 5.109 | - / - | - / - |
| Secondary Distribution - AFNG | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 106 / 0.015 | - / - | - / - |
| FY 2019 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 930 / 2.308 | 930 / 2.308 |
| To Complete | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | 1,153 / 1.034 | 390 / 1.266 | 196 / 4.736 | 1,042 / 2.592 | - / - | 1,042 / 2.592 | 1,249 / 1.443 | 967 / 8.328 | 836 / 6.530 | 888 / 5.124 | 930 / 2.308 | 7,651 / 33.361 |
| Secondary Distribution - AF | - / - | 352 / 1.142 | 100 / 4.667 | 938 / 2.282 | - / - | 938 / 2.282 | 1,100 / 1.270 | 851 / 7.462 | 737 / 6.347 | 782 / 5.109 | - / - | - / - |
| Secondary Distribution - AFNG | - / - | 38 / 0.124 | 96 / 0.069 | 104 / 0.310 | - / - | 104 / 0.310 | 149 / 0.173 | 116 / 0.866 | 99 / 0.183 | 106 / 0.015 | - / - | - / - |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | Date: March 2014 |
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| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | P-1 Line Item Number / Title: F02200 / F-22A | Modification Number / Title: 3 / F119 Engine Modifications |
|---|--|--|

Modification Item 1 of 1: Engine Modification Kits

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Depot

Installation Schedule

| | PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | | FY 2016 | | | | FY 2017 | | | | FY 2018 | | | | FY 2019 | | | | TC | Tot |
|-----|-------|---------|----|----|----|---------|----|----|----|---------|-----|-----|-----|---------|-----|-----|-----|---------|-----|-----|-----|---------|-----|-----|-----|---------|-----|-----|-----|-----|-------|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | |
| In | 1,153 | 97 | 97 | 97 | 99 | 49 | 49 | 49 | 49 | 260 | 260 | 261 | 261 | 312 | 312 | 312 | 313 | 241 | 242 | 242 | 242 | 209 | 209 | 209 | 209 | 222 | 222 | 222 | 222 | 930 | 7,651 |
| Out | 1,153 | 97 | 97 | 97 | 99 | 49 | 49 | 49 | 49 | 260 | 260 | 261 | 261 | 312 | 312 | 312 | 313 | 241 | 242 | 242 | 242 | 209 | 209 | 209 | 209 | 222 | 222 | 222 | 222 | 930 | 7,651 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | | | | Date: March 2014 | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | | | | P-1 Line Item Number / Title: F02200 / F-22A | | | | | | Modification Number / Title: 4 / Structures Retrofit Plan | | |

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|---|--------------------|----------------|----------------|---------------------|---------------------|----------------------|----------------|----------------|----------------|----------------|--------------------|----------------|
| Procurement Quantity <i>(Units in Each)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost <i>(\$ in Millions)</i> | 131.157 | 58.154 | 30.737 | 35.982 | - | 35.982 | 33.439 | 47.487 | 36.208 | 6.603 | - | 379.767 |
| Less PY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) <i>(\$ in Millions)</i> | 131.157 | 58.154 | 30.737 | 35.982 | - | 35.982 | 33.439 | 47.487 | 36.208 | 6.603 | - | 379.767 |
| Plus CY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority <i>(\$ in Millions)</i> | 131.157 | 58.154 | 30.737 | 35.982 | - | 35.982 | 33.439 | 47.487 | 36.208 | 6.603 | - | 379.767 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial Spares <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

The Structures Retrofit Plan (SRP) is a program designed to retrofit F-22 aircraft with the structural improvements required to reach full life. The number of aircraft on this document is not reflective of the total fleet because some of the aircraft had the kits installed while in production. Kit installation costs are shown for modifications performed at the depot level only. Structures Retrofit Program includes Mission Support Requirements.

Milestone/Development Status

Development complete. RDT&E funding identified is for test aircraft retrofits.

| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|--------------------------------------|-----------------------------------|----------------|----------------|---------------------|--------------------|----------------------|----------------|----------------|----------------|----------------|
| AF | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 55.894 | 25.010 | 35.982 | - | 35.982 | 33.439 | 44.736 | 8.723 | 0.264 |
| AFNG | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 2.260 | 5.727 | - | - | - | - | 2.751 | 27.485 | 6.339 |
| Total: Secondary Distribution | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 58.154 | 30.737 | 35.982 | - | 35.982 | 33.439 | 47.487 | 36.208 | 6.603 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | | | | Date: March 2014 | | | |
|---|--------------------------------|--------------------------------|--------------------------------|--|--|--------------------------------|--------------------------------|--|--------------------------------|---|--------------------------------|--------------------------------|--|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | | | | | P-1 Line Item Number / Title: F02200 / F-22A | | | | | Modification Number / Title: 4 / Structures Retrofit Plan | | | |
| Models of Systems Affected: F-22 | | | | Modification Type: Service Life Extension | | | | Related RDT&E PEs: 0207138F | | | | | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total | |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | |
| RDT&E PE # | | | | | | | | | | | | | |
| 0207138F | - / 0.127 | - / - | - / - | - / - | - / - | - / - | - / - | - / 1.500 | - / - | - / - | - / - | - / 1.627 | |
| Procurement | | | | | | | | | | | | | |
| Modification Item 1 of 1: Structure Retrofit Plan | | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| Structure Retrofit Plan:INSTALL KITS Group A (Active) | 51 / 34.440 | 30 / 5.801 | 10 / 7.931 | 21 / 5.090 | - / - | 21 / 5.090 | 21 / 5.571 | 8 / 10.141 | - / - | - / - | - / - | 141 / 68.974 | |
| Structure Retrofit Plan:INSTALL KITS Group A (Guard) | 2 / 0.465 | 3 / 0.580 | - / - | - / - | - / - | - / - | - / - | 7 / 2.751 | 13 / 17.883 | - / - | - / - | 25 / 21.679 | |
| Subtotal: Recurring | - / 34.905 | - / 6.381 | - / 7.931 | - / 5.090 | - / - | - / 5.090 | - / 5.571 | - / 12.892 | - / 17.883 | - / - | - / - | - / 90.653 | |
| Subtotal: Structure Retrofit Plan | - / 34.905 | - / 6.381 | - / 7.931 | - / 5.090 | - / - | - / 5.090 | - / 5.571 | - / 12.892 | - / 17.883 | - / - | - / - | - / 90.653 | |
| Subtotal: Procurement, All Modification Items | - / 34.905 | - / 6.381 | - / 7.931 | - / 5.090 | - / - | - / 5.090 | - / 5.571 | - / 12.892 | - / 17.883 | - / - | - / - | - / 90.653 | |
| Support (All Modification Items) | | | | | | | | | | | | | |
| PMA - Other Gov't Costs | - / - | - / 1.479 | - / 0.738 | - / 0.860 | - / - | - / 0.860 | - / 0.499 | - / 1.126 | - / 0.323 | - / 0.264 | - / - | - / 5.289 | |
| Subtotal: Support | - / - | - / 1.479 | - / 0.738 | - / 0.860 | - / - | - / 0.860 | - / 0.499 | - / 1.126 | - / 0.323 | - / 0.264 | - / - | - / 5.289 | |
| Installation | | | | | | | | | | | | | |
| Modification Item 1 of 1: Structure Retrofit Plan | 36 / 96.252 | 17 / 50.294 | 18 / 22.068 | 25 / 30.032 | - / - | 25 / 30.032 | 21 / 27.369 | 21 / 33.469 | 15 / 18.002 | 13 / 6.339 | - / - | 166 / 283.825 | |
| Subtotal: Installation | 36 / 96.252 | 17 / 50.294 | 18 / 22.068 | 25 / 30.032 | - / - | 25 / 30.032 | 21 / 27.369 | 21 / 33.469 | 15 / 18.002 | 13 / 6.339 | - / - | 166 / 283.825 | |
| Total | | | | | | | | | | | | | |
| Total Cost (Procurement + Support + Installation) | 131.157 | 58.154 | 30.737 | 35.982 | - | 35.982 | 33.439 | 47.487 | 36.208 | 6.603 | - | 379.767 | |

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|---|--------------------|--|--|--|--------------------------------|---|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | Date: March 2014 | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | | | P-1 Line Item Number / Title: F02200 / F-22A | | | Modification Number / Title: 4 / Structures Retrofit Plan | | | | |
| Models of Systems Affected: | | Modification Type: Service Life Extension | | Related RDT&E PEs: 0207138F | | | | | | |
| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
| | | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Procurement | | | | | | | | | | |
| Modification Item 1 of 1: Structure Retrofit Plan | | | | | | | | | | |
| AF | - / 5.801 | - / 7.931 | - / 5.090 | - / - | - / 5.090 | - / 5.571 | - / 10.141 | - / - | - / - | - / - |
| AFNG | - / 0.580 | - / - | - / - | - / - | - / - | - / - | - / 2.751 | - / 17.883 | - / - | - / - |
| <i>Subtotal: Structure Retrofit Plan Secondary Distribution</i> | <i>- / 6.381</i> | <i>- / 7.931</i> | <i>- / 5.090</i> | <i>- / -</i> | <i>- / 5.090</i> | <i>- / 5.571</i> | <i>- / 12.892</i> | <i>- / 17.883</i> | <i>- / -</i> | <i>- / -</i> |
| <i>Subtotal: Procurement, All Modification Items</i> | <i>- / 6.381</i> | <i>- / 7.931</i> | <i>- / 5.090</i> | <i>- / -</i> | <i>- / 5.090</i> | <i>- / 5.571</i> | <i>- / 12.892</i> | <i>- / 17.883</i> | <i>- / -</i> | <i>- / -</i> |
| Support | | | | | | | | | | |
| AF | - / 1.479 | - / 0.738 | - / 0.860 | - / - | - / 0.860 | - / 0.499 | - / 1.126 | - / 0.323 | - / 0.264 | - / 0.264 |
| <i>Subtotal: Support</i> | <i>- / 1.479</i> | <i>- / 0.738</i> | <i>- / 0.860</i> | <i>- / -</i> | <i>- / 0.860</i> | <i>- / 0.499</i> | <i>- / 1.126</i> | <i>- / 0.323</i> | <i>- / 0.264</i> | <i>- / 0.264</i> |
| Installation | | | | | | | | | | |
| Modification Item 1 of 1: Structure Retrofit Plan | | | | | | | | | | |
| Depot | | | | | | | | | | |
| AF | 15 / 48.614 | 15 / 16.341 | 25 / 30.032 | - / - | 25 / 30.032 | 21 / 27.369 | 21 / 33.469 | 8 / 8.400 | - / - | - / - |
| AFNG | 2 / 1.680 | 3 / 5.727 | - / - | - / - | - / - | - / - | - / - | 7 / 9.602 | 13 / 6.339 | 13 / 6.339 |
| <i>Subtotal: Depot</i> | <i>17 / 50.294</i> | <i>18 / 22.068</i> | <i>25 / 30.032</i> | <i>- / -</i> | <i>25 / 30.032</i> | <i>21 / 27.369</i> | <i>21 / 33.469</i> | <i>15 / 18.002</i> | <i>13 / 6.339</i> | <i>13 / 6.339</i> |
| <i>Subtotal: Structure Retrofit Plan</i> | <i>17 / 50.294</i> | <i>18 / 22.068</i> | <i>25 / 30.032</i> | <i>- / -</i> | <i>25 / 30.032</i> | <i>21 / 27.369</i> | <i>21 / 33.469</i> | <i>15 / 18.002</i> | <i>13 / 6.339</i> | <i>13 / 6.339</i> |
| <i>Subtotal: Installation</i> | <i>17 / 50.294</i> | <i>18 / 22.068</i> | <i>25 / 30.032</i> | <i>- / -</i> | <i>25 / 30.032</i> | <i>21 / 27.369</i> | <i>21 / 33.469</i> | <i>15 / 18.002</i> | <i>13 / 6.339</i> | <i>13 / 6.339</i> |
| Total | | | | | | | | | | |
| Total: Secondary Distribution, All Modification Items | - / 58.154 | - / 30.737 | - / 35.982 | - / - | - / 35.982 | - / 33.439 | - / 47.487 | - / 36.208 | - / 6.603 | - / 6.603 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | P-1 Line Item Number / Title: F02200 / F-22A | Modification Number / Title: 4 / Structures Retrofit Plan |

Modification Item 1 of 1: Structure Retrofit Plan

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Lockheed Martin Manufacturer Location: Palmdale/Hill AFB

Administrative Leadtime (in Months): 3 Production Leadtime (in Months): 0

| Dates | FY 2013 | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|----------------|----------|----------|----------|----------|----------|----------|---------|
| Contract Dates | Jan 2013 | Jan 2014 | Jan 2015 | Jan 2016 | Jan 2017 | Jan 2018 | |
| Delivery Dates | Jan 2013 | Jan 2014 | Jan 2015 | Jan 2016 | Jan 2017 | Jan 2018 | |

Installation Information

Method of Implementation: Depot

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|-------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | 36 / 96.252 | 17 / 50.294 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 53 / 146.546 |
| Secondary Distribution - AF | - / - | 15 / 48.614 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| Secondary Distribution - AFNG | - / - | 2 / 1.680 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2013 | - / - | - / - | 18 / 22.068 | 15 / 18.019 | - / - | 15 / 18.019 | - / - | - / - | - / - | - / - | - / - | 33 / 40.087 |
| Secondary Distribution - AF | - / - | - / - | 15 / 16.341 | 15 / 18.019 | - / - | 15 / 18.019 | - / - | - / - | - / - | - / - | - / - | - / - |
| Secondary Distribution - AFNG | - / - | - / - | 3 / 5.727 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | - / - | 10 / 12.013 | - / - | 10 / 12.013 | - / - | - / - | - / - | - / - | - / - | 10 / 12.013 |
| Secondary Distribution - AF | - / - | - / - | - / - | 10 / 12.013 | - / - | 10 / 12.013 | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - | 21 / 27.369 | - / - | - / - | - / - | - / - | 21 / 27.369 |
| Secondary Distribution - AF | - / - | - / - | - / - | - / - | - / - | - / - | 21 / 27.369 | - / - | - / - | - / - | - / - | - / - |
| FY 2016 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 21 / 33.469 | - / - | - / - | - / - | 21 / 33.469 |
| Secondary Distribution - AF | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 21 / 33.469 | - / - | - / - | - / - | - / - |
| FY 2017 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 15 / 18.002 | - / - | - / - | 15 / 18.002 |
| Secondary Distribution - AF | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 8 / 8.400 | - / - | - / - | - / - |
| Secondary Distribution - AFNG | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 7 / 9.602 | - / - | - / - | - / - |
| FY 2018 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 13 / 6.339 | - / - | 13 / 6.339 |
| Secondary Distribution - AFNG | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 13 / 6.339 | - / - | - / - |
| FY 2019 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| To Complete | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | 36 / 96.252 | 17 / 50.294 | 18 / 22.068 | 25 / 30.032 | - / - | 25 / 30.032 | 21 / 27.369 | 21 / 33.469 | 15 / 18.002 | 13 / 6.339 | - / - | 166 / 283.825 |
| Secondary Distribution - AF | - / - | 15 / 48.614 | 15 / 16.341 | 25 / 30.032 | - / - | 25 / 30.032 | 21 / 27.369 | 21 / 33.469 | 8 / 8.400 | - / - | - / - | - / - |
| Secondary Distribution - AFNG | - / - | 2 / 1.680 | 3 / 5.727 | - / - | - / - | - / - | - / - | - / - | 7 / 9.602 | 13 / 6.339 | - / - | - / - |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | Date: March 2014 |
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| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | P-1 Line Item Number / Title: F02200 / F-22A | Modification Number / Title: 4 / Structures Retrofit Plan |
|---|--|---|

Modification Item 1 of 1: Structure Retrofit Plan

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Depot

Installation Schedule

| | PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | | FY 2016 | | | | FY 2017 | | | | FY 2018 | | | | FY 2019 | | | | TC | Tot |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | |
| In | 36 | 4 | 4 | 4 | 5 | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 7 | 5 | 5 | 5 | 6 | 5 | 5 | 5 | 6 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 4 | - | 166 |
| Out | 33 | 3 | 4 | 4 | 4 | 5 | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 7 | 5 | 5 | 5 | 6 | 5 | 5 | 5 | 6 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 4 | 166 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | Date: March 2014 | | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | | | | P-1 Line Item Number / Title: F02200 / F-22A | | | | Modification Number / Title: 5 / Trainers Modernization | | | | |

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|---|--------------------|----------------|----------------|---------------------|---------------------|----------------------|----------------|----------------|----------------|----------------|--------------------|----------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 13.516 | 30.739 | 32.601 | 7.199 | - | 7.199 | 3.564 | 6.577 | 6.807 | 2.973 | - | 103.976 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (<i>\$ in Millions</i>) | 13.516 | 30.739 | 32.601 | 7.199 | - | 7.199 | 3.564 | 6.577 | 6.807 | 2.973 | - | 103.976 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 13.516 | 30.739 | 32.601 | 7.199 | - | 7.199 | 3.564 | 6.577 | 6.807 | 2.973 | - | 103.976 |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> | | | | | | | | | | | | |
| Initial Spares (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

This effort modifies training devices to simulate existing and future F-22 operational capabilities and maintain concurrency with the aircraft configuration. The modifications will enable the 4-ship Mission Training Centers (MTC) and Weapons and Tactics Trainer (WTT) systems to provide realistic training in two areas: (1) Visual System Display, and (2) Night Vision Goggle (NVG) training. Modifications also include reliability, availability, and maintainability improvements. The Aircraft Breakdown section below is reflective of the actual number of trainers. There are 35 Pilot Training Devices and 26 Maintenance Training Devices for a total of 61 trainers. Quantities are reflective of the number of trainers being modified, not the number of kits being purchased for the modifications. Kit installations are done by contractor field teams. Trainers Modernization includes Mission Support Requirements. FY15 funding includes the HDVis retrofit effort. FY17 and FY18 funding includes Increment 3.2B and OFP updates.

Milestone/Development Status

Development conducted in conjunction with ongoing modernization activities and Ready Aircrew Program taskings.

| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|--|-----------------------------------|----------------|----------------|---------------------|--------------------|----------------------|----------------|----------------|----------------|----------------|
| AF | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 30.739 | 32.601 | 7.199 | - | 7.199 | 3.564 | 6.577 | 6.807 | 2.973 |
| Total: Secondary Distribution | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 30.739 | 32.601 | 7.199 | - | 7.199 | 3.564 | 6.577 | 6.807 | 2.973 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | | | | Date: March 2014 | | | |
|---|--------------------------------|--------------------------------|--------------------------------|----------------------------------|--|--------------------------------|--------------------------------|--|--------------------------------|---|--------------------------------|--------------------------------|--|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | | | | | P-1 Line Item Number / Title: F02200 / F-22A | | | | | Modification Number / Title: 5 / Trainers Modernization | | | |
| Models of Systems Affected: F-22 | | | | Modification Type: Safety | | | | Related RDT&E PEs: 0207138F | | | | | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total | |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | |
| RDT&E PE # | | | | | | | | | | | | | |
| 0207138F | - / 38.862 | - / 5.341 | - / 6.000 | - / 4.000 | - / - | - / 4.000 | - / 9.000 | - / 9.318 | - / 6.163 | - / 6.851 | - / - | - / 85.535 | |
| Procurement | | | | | | | | | | | | | |
| <i>Modification Item 1 of 1: Trainer Modifications</i> | | | | | | | | | | | | | |
| B Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| Trainer Modifications:EQUIPMENT Group B (Active) | 42 / 11.780 | 12 / 29.961 | 18 / 22.490 | - / - | - / - | - / - | 10 / 3.150 | 10 / 5.850 | 10 / 6.093 | 10 / 2.569 | - / - | 112 / 81.893 | |
| <i>Subtotal: Recurring</i> | - / 11.780 | - / 29.961 | - / 22.490 | - / - | - / - | - / - | - / 3.150 | - / 5.850 | - / 6.093 | - / 2.569 | - / - | - / 81.893 | |
| <i>Subtotal: Trainer Modifications</i> | - / 11.780 | - / 29.961 | - / 22.490 | - / - | - / - | - / - | - / 3.150 | - / 5.850 | - / 6.093 | - / 2.569 | - / - | - / 81.893 | |
| <i>Subtotal: Procurement, All Modification Items</i> | - / 11.780 | - / 29.961 | - / 22.490 | - / - | - / - | - / - | - / 3.150 | - / 5.850 | - / 6.093 | - / 2.569 | - / - | - / 81.893 | |
| Support (All Modification Items) | | | | | | | | | | | | | |
| PMA - Other Gov't Costs | - / - | - / 0.778 | - / 0.921 | - / 0.274 | - / - | - / 0.274 | - / 0.064 | - / 0.077 | - / 0.037 | - / 0.119 | - / - | - / 2.270 | |
| <i>Subtotal: Support</i> | - / - | - / 0.778 | - / 0.921 | - / 0.274 | - / - | - / 0.274 | - / 0.064 | - / 0.077 | - / 0.037 | - / 0.119 | - / - | - / 2.270 | |
| Installation | | | | | | | | | | | | | |
| <i>Modification Item 1 of 1: Trainer Modifications</i> | 42 / 1.736 | - / - | 22 / 9.190 | 8 / 6.925 | - / - | 8 / 6.925 | 10 / 0.350 | 10 / 0.650 | 10 / 0.677 | 10 / 0.285 | - / - | 112 / 19.813 | |
| <i>Subtotal: Installation</i> | 42 / 1.736 | - / - | 22 / 9.190 | 8 / 6.925 | - / - | 8 / 6.925 | 10 / 0.350 | 10 / 0.650 | 10 / 0.677 | 10 / 0.285 | - / - | 112 / 19.813 | |
| Total | | | | | | | | | | | | | |
| Total Cost (Procurement + Support + Installation) | 13.516 | 30.739 | 32.601 | 7.199 | - | 7.199 | 3.564 | 6.577 | 6.807 | 2.973 | - | 103.976 | |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | Date: March 2014 | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | | | P-1 Line Item Number / Title: F02200 / F-22A | | | Modification Number / Title: 5 / Trainers Modernization | | | |
| Models of Systems Affected: | | Modification Type: Safety | | Related RDT&E PEs: 0207138F | | | | | |
| Secondary Distribution | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
| | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> |
| Procurement | | | | | | | | | |
| Modification Item 1 of 1: Trainer Modifications | | | | | | | | | |
| AF | - / 29.961 | - / 22.490 | - / - | - / - | - / - | - / 3.150 | - / 5.850 | - / 6.093 | - / 2.569 |
| <i>Subtotal: Trainer Modifications Secondary Distribution</i> | <i>- / 29.961</i> | <i>- / 22.490</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / 3.150</i> | <i>- / 5.850</i> | <i>- / 6.093</i> | <i>- / 2.569</i> |
| <i>Subtotal: Procurement, All Modification Items</i> | <i>- / 29.961</i> | <i>- / 22.490</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / 3.150</i> | <i>- / 5.850</i> | <i>- / 6.093</i> | <i>- / 2.569</i> |
| Support | | | | | | | | | |
| AF | - / 0.778 | - / 0.921 | - / 0.274 | - / - | - / 0.274 | - / 0.064 | - / 0.077 | - / 0.037 | - / 0.119 |
| <i>Subtotal: Support</i> | <i>- / 0.778</i> | <i>- / 0.921</i> | <i>- / 0.274</i> | <i>- / -</i> | <i>- / 0.274</i> | <i>- / 0.064</i> | <i>- / 0.077</i> | <i>- / 0.037</i> | <i>- / 0.119</i> |
| Installation | | | | | | | | | |
| Modification Item 1 of 1: Trainer Modifications | | | | | | | | | |
| Contract Field Team | | | | | | | | | |
| AF | - / - | 22 / 9.190 | 8 / 6.925 | - / - | 8 / 6.925 | 10 / 0.350 | 10 / 0.650 | 10 / 0.677 | 10 / 0.285 |
| <i>Subtotal: Contract Field Team</i> | <i>- / -</i> | <i>22 / 9.190</i> | <i>8 / 6.925</i> | <i>- / -</i> | <i>8 / 6.925</i> | <i>10 / 0.350</i> | <i>10 / 0.650</i> | <i>10 / 0.677</i> | <i>10 / 0.285</i> |
| <i>Subtotal: Trainer Modifications</i> | <i>- / -</i> | <i>22 / 9.190</i> | <i>8 / 6.925</i> | <i>- / -</i> | <i>8 / 6.925</i> | <i>10 / 0.350</i> | <i>10 / 0.650</i> | <i>10 / 0.677</i> | <i>10 / 0.285</i> |
| <i>Subtotal: Installation</i> | <i>- / -</i> | <i>22 / 9.190</i> | <i>8 / 6.925</i> | <i>- / -</i> | <i>8 / 6.925</i> | <i>10 / 0.350</i> | <i>10 / 0.650</i> | <i>10 / 0.677</i> | <i>10 / 0.285</i> |
| Total | | | | | | | | | |
| Total: Secondary Distribution, All Modification Items | - / 30.739 | - / 32.601 | - / 17.199 | - / - | - / 17.199 | - / 3.564 | - / 6.577 | - / 6.807 | - / 2.973 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | P-1 Line Item Number / Title: F02200 / F-22A | Modification Number / Title: 5 / Trainers Modernization |

Modification Item 1 of 1: Trainer Modifications

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Lockheed Martin Manufacturer Location: Palmdale/Hill AFB

Administrative Leadtime (in Months): 3 Production Leadtime (in Months): 0

| Dates | FY 2013 | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|----------------|----------|----------|---------|----------|----------|----------|----------|
| Contract Dates | Jan 2013 | Jan 2014 | | Jan 2016 | Jan 2017 | Jan 2018 | Jan 2019 |
| Delivery Dates | Jan 2013 | Jan 2014 | | Jan 2016 | Jan 2017 | Jan 2018 | Jan 2019 |

Installation Information

Method of Implementation: Contract Field Team

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|-----------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | 42 / 1.736 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 42 / 1.736 |
| FY 2013 | - / - | - / - | 12 / 8.840 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 12 / 8.840 |
| Secondary Distribution - AF | - / - | - / - | 12 / 8.840 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | 10 / 0.350 | 8 / 6.925 | - / - | 8 / 6.925 | - / - | - / - | - / - | - / - | - / - | 18 / 7.275 |
| Secondary Distribution - AF | - / - | - / - | 10 / 0.350 | 8 / 6.925 | - / - | 8 / 6.925 | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2016 | - / - | - / - | - / - | - / - | - / - | - / - | 10 / 0.350 | - / - | - / - | - / - | - / - | 10 / 0.350 |
| Secondary Distribution - AF | - / - | - / - | - / - | - / - | - / - | - / - | 10 / 0.350 | - / - | - / - | - / - | - / - | - / - |
| FY 2017 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 10 / 0.650 | - / - | - / - | - / - | 10 / 0.650 |
| Secondary Distribution - AF | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 10 / 0.650 | - / - | - / - | - / - | - / - |
| FY 2018 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 10 / 0.677 | - / - | - / - | 10 / 0.677 |
| Secondary Distribution - AF | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 10 / 0.677 | - / - | - / - | - / - |
| FY 2019 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 10 / 0.285 | - / - | 10 / 0.285 |
| Secondary Distribution - AF | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 10 / 0.285 | - / - | - / - |
| To Complete | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | 42 / 1.736 | - / - | 22 / 9.190 | 8 / 6.925 | - / - | 8 / 6.925 | 10 / 0.350 | 10 / 0.650 | 10 / 0.677 | 10 / 0.285 | - / - | 112 / 19.813 |
| Secondary Distribution - AF | - / - | - / - | 22 / 9.190 | 8 / 6.925 | - / - | 8 / 6.925 | 10 / 0.350 | 10 / 0.650 | 10 / 0.677 | 10 / 0.285 | - / - | - / - |

UNCLASSIFIED

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | Date: March 2014 |
|---|-------------------------|

| | | |
|---|--|---|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | P-1 Line Item Number / Title: F02200 / F-22A | Modification Number / Title: 5 / Trainers Modernization |
|---|--|---|

Modification Item 1 of 1: Trainer Modifications

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Contract Field Team

Installation Schedule

| | PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | | FY 2016 | | | | FY 2017 | | | | FY 2018 | | | | FY 2019 | | | | TC | Tot |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | |
| In | 42 | - | - | - | - | 5 | 5 | 5 | 7 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 2 | 2 | 2 | 4 | 2 | 2 | 2 | 4 | 2 | 2 | 2 | 4 | - | 112 |
| Out | 42 | - | - | - | - | 5 | 5 | 5 | 7 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 2 | 2 | 2 | 4 | 2 | 2 | 2 | 4 | 2 | 2 | 2 | 4 | - | 112 |

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft /
 BSA 2: Tactical Aircraft **P-1 Line Item Number / Title:**
 F03500 / F-35 Modifications

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0207142F **Other Related Program Elements:** 0604800F

Line Item MDAP/MAIS Code: 198 **Item MDAP/MAIS Code(s):**

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO [#] | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|---|--------------|---------------|----------------|----------------|--------------------------|----------------|----------------|----------------|----------------|----------------|-------------|------------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 4.610 | 80.715 | 126.777 | 187.646 | - | 187.646 | 221.826 | 250.178 | 254.903 | 262.733 | - | 1,389.388 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (<i>\$ in Millions</i>) | 4.610 | 80.715 | 126.777 | 187.646 | - | 187.646 | 221.826 | 250.178 | 254.903 | 262.733 | - | 1,389.388 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 4.610 | 80.715 | 126.777 | 187.646 | - | 187.646 | 221.826 | 250.178 | 254.903 | 262.733 | - | 1,389.388 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial Spares (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Flyaway Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

The F-35 Joint Strike Fighter (JSF) Program will develop and deploy a family of highly common, affordable, next generation, stealthy, multi-role strike fighters that meet the needs of multiple services and countries. The United States Air Force F-35A Conventional Takeoff and Landing (CTOL) correction of deficiencies effort provides near and long term improvements to the fleet, focusing on documented deficiencies related to safety, maintainability, and aircraft systems. These modifications and selected component changes are being accomplished by field and depot retrofit. In order to meet emerging deficiencies the airframe and integrated systems must be modified as critical corrections/changes are identified. Funds will be used to manage, prepare, process and incorporate concurrency changes to sustain and improve CTOL system operations. Concurrency changes are implemented to coincide with resources and aircraft availability.

Block upgrades provide more robust performance in navigation, weapons, avionics, survivability, maneuverability, maintainability, and mission deployment of the F-35A CTOL platform. This modification program will bring early production aircraft and integrated systems to a common fleet configuration as fielded capabilities evolve over the course of the F-35 program.

The requested modification funding enables several distinct efforts pertaining to the Air Force F-35A CTOL aircraft to include post DD-250 concurrency retrofits, block upgrades for F-35A CTOLs, and upgrading hardware and software components to a full Block 3F configuration. The focus of the modification funding requested in the 2015 President's Budget is the first (concurrency) and third (Block 3i long-lead) efforts.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES

The overlap of development with production and operations results in the need to manage a concurrency program and conduct retrofits on jets with life-limited parts or impacts to capabilities. For the F-35 program, concurrency phases out with the completion of SDD. Block 3i DT&E full Certification is planned by 3rd Qtr FY15, and Block 3F DT&E full Certification is planned by 4th Qtr FY17.

Funding for this exhibit contained in PE 0207142F.

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft

P-1 Line Item Number / Title:
F03500 / F-35 Modifications

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0207142F **Other Related Program Elements:** 0604800F

Line Item MDAP/MAIS Code: 198 **Item MDAP/MAIS Code(s):**

| Exhibits Schedule | | ID CD | Prior Years | | | FY 2013 | | | FY 2014 | | | FY 2015 Base | | | FY 2015 OCO | | | FY 2015 Total | | |
|---------------------------------------|----------|----------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|
| Title* | Exhibits | | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 1 / Block 2B OT Upgrade | P-40a*** | | - | - | 4.610 | - | - | 6.483 | - | - | - | - | - | 0.861 | - | - | - | - | - | 0.861 |
| Item - 2 / Block 3F LRIP 2-5 Upgrade | P-40a*** | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Item - 3 / Block 3F LRIP 6-8 Upgrade | P-40a*** | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| P-3a - 1 / Block 3i LRIP 2-5 Upgrade | P-3a | | - | - | - | - | - | - | - | - | 63.420 | - | - | 81.695 | - | - | - | - | - | 81.695 |
| P-3a - 2 / Concurrency | P-3a | | - | - | - | - | - | 74.232 | - | - | 63.357 | - | - | 105.090 | - | - | - | - | - | 105.090 |
| Total Gross/Weapon System Cost | | | - | - | 4.610 | - | - | 80.715 | - | - | 126.777 | - | - | 187.646 | - | - | - | - | - | 187.646 |

| Exhibits Schedule | | ID CD | FY 2016 | | | FY 2017 | | | FY 2018 | | | FY 2019 | | | To Complete | | | Total | | |
|---------------------------------------|----------|----------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|
| Title* | Exhibits | | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 1 / Block 2B OT Upgrade | P-40a*** | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 11.954 |
| Item - 2 / Block 3F LRIP 2-5 Upgrade | P-40a*** | | - | - | 6.990 | - | - | 0.306 | - | - | 2.040 | - | - | 0.255 | - | - | - | - | - | 9.591 |
| Item - 3 / Block 3F LRIP 6-8 Upgrade | P-40a*** | | - | - | - | - | - | - | - | - | 2.856 | - | - | - | - | - | - | - | - | 2.856 |
| P-3a - 1 / Block 3i LRIP 2-5 Upgrade | P-3a | | - | - | 94.022 | - | - | 28.449 | - | - | 3.764 | - | - | 1.238 | - | - | - | - | - | 272.588 |
| P-3a - 2 / Concurrency | P-3a | | - | - | 120.814 | - | - | 221.423 | - | - | 246.243 | - | - | 261.240 | - | - | - | - | - | 1,092.399 |
| Total Gross/Weapon System Cost | | | - | - | 221.826 | - | - | 250.178 | - | - | 254.903 | - | - | 262.733 | - | - | - | - | - | 1,389.388 |

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

*For Items, Title represents the Item Number / Title [DODIC]. For the P-3a, Title represents the Modification Number / Title.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

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| | | | | | | | | | | | | |
|---|--|--|--|---|--|--|-------------------------|--|--|--|--|--|
| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | Date: March 2014 | | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | | | | P-1 Line Item Number / Title: F03500 / F-35 Modifications | | | | Modification Number / Title: 1 / Block 3i LRIP 2-5 Upgrade | | | | |

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|---|--------------------|----------------|----------------|---------------------|---------------------|----------------------|----------------|----------------|----------------|----------------|--------------------|----------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | - | - | 63.420 | 81.695 | - | 81.695 | 94.022 | 28.449 | 3.764 | 1.238 | - | 272.588 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (<i>\$ in Millions</i>) | - | - | 63.420 | 81.695 | - | 81.695 | 94.022 | 28.449 | 3.764 | 1.238 | - | 272.588 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | - | - | 63.420 | 81.695 | - | 81.695 | 94.022 | 28.449 | 3.764 | 1.238 | - | 272.588 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial Spares (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

The block upgrade program retrofits United States Air Force F-35A Conventional Takeoff and Landing (CTOL) aircraft and integrated systems procured under the Low Rate Initial Production (LRIP) contracts to a final Block 3F configuration. The retrofits to enable the final Block 3F configuration are comprised of hardware and software. The hardware per aircraft includes new radar modules, new Integrated Core Processor modules and rack, and new electronic warfare modules. Aircraft need to be updated to a final Block 3F configuration to avoid cost associated with maintaining multiple configurations of aircraft at operating locations. Some will require multiple modifications to reach the final Block 3F configuration. This effort (MN-F3513) focuses on upgrading Blocks 1B, 2A, and 2B aircraft from LRIPs 2-5 to a Block 3i configuration. Block 3i is a stepping stone to a Block 3F configuration. It includes the procurement of upgraded hardware required for the Block 3i configuration. The long-lead parts include new radar modules, new Integrated Core Processor (ICP) modules and rack, and new Electronic Warfare (EW) modules. Changes will be tested and approved prior to installation in the F-35 aircraft. Non-recurring engineering (NRE) is being performed using RDT&E, AF funds, and will be complete in FY14.

Milestone/Development Status

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES

Block 3i DT&E full Certification is planned to occur by 3rd Qtr FY15. Modification kits will be procured based on flight test results.

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | | | | Date: March 2014 | | | |
|---|--------------------------------|--------------------------------|--------------------------------|--|---|--------------------------------|--------------------------------|--|--------------------------------|--|--------------------------------|--------------------------------|--|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | | | | | P-1 Line Item Number / Title: F03500 / F-35 Modifications | | | | | Modification Number / Title: 1 / Block 3i LRIP 2-5 Upgrade | | | |
| Models of Systems Affected: F-35A | | | | Modification Type: Capability Improvement | | | | Related RDT&E PEs: 0604800F | | | | | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total | |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | |
| Procurement | | | | | | | | | | | | | |
| <i>Modification Item 1 of 1: Block 3i</i> | | | | | | | | | | | | | |
| B Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| Block 3i:EQUIPMENT Group B (Active) | - / - | - / - | 11 / 43.861 | 13 / 61.143 | - / - | 13 / 61.143 | 16 / 77.510 | 5 / 25.480 | - / - | - / - | - / - | 45 / 207.994 | |
| <i>Subtotal: Recurring</i> | - / - | - / - | - / 43.861 | - / 61.143 | - / - | - / 61.143 | - / 77.510 | - / 25.480 | - / - | - / - | - / - | - / 207.994 | |
| <i>Subtotal: Block 3i</i> | - / - | - / - | - / 43.861 | - / 61.143 | - / - | - / 61.143 | - / 77.510 | - / 25.480 | - / - | - / - | - / - | - / 207.994 | |
| <i>Subtotal: Procurement, All Modification Items</i> | - / - | - / - | - / 43.861 | - / 61.143 | - / - | - / 61.143 | - / 77.510 | - / 25.480 | - / - | - / - | - / - | - / 207.994 | |
| Support (All Modification Items) | | | | | | | | | | | | | |
| SIM/TRAINER | - / - | - / - | - / 6.396 | - / 6.588 | - / - | - / 6.588 | - / - | - / - | - / - | - / - | - / - | - / 12.984 | |
| Mod of Spares | - / - | - / - | - / 13.163 | - / 13.964 | - / - | - / 13.964 | - / 14.383 | - / - | - / - | - / - | - / - | - / 41.510 | |
| <i>Subtotal: Support</i> | - / - | - / - | - / 19.559 | - / 20.552 | - / - | - / 20.552 | - / 14.383 | - / - | - / - | - / - | - / - | - / 54.494 | |
| Installation | | | | | | | | | | | | | |
| <i>Modification Item 1 of 1: Block 3i</i> | - / - | - / - | - / - | - / - | - / - | - / - | 11 / 2.129 | 13 / 2.969 | 16 / 3.764 | 5 / 1.238 | - / - | 45 / 10.100 | |
| <i>Subtotal: Installation</i> | - / - | - / - | - / - | - / - | - / - | - / - | 11 / 2.129 | 13 / 2.969 | 16 / 3.764 | 5 / 1.238 | - / - | 45 / 10.100 | |
| Total | | | | | | | | | | | | | |
| Total Cost (Procurement + Support + Installation) | - | - | 63.420 | 81.695 | - | 81.695 | 94.022 | 28.449 | 3.764 | 1.238 | - | 272.588 | |

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|---|---|--|
| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | P-1 Line Item Number / Title: F03500 / F-35 Modifications | Modification Number / Title: 1 / Block 3i LRIP 2-5 Upgrade |

Modification Item 1 of 1: Block 3i

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Lockheed Martin Manufacturer Location: Fort Worth

Administrative Leadtime (in Months): 5 Production Leadtime (in Months): 20

| Dates | FY 2013 | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|----------------|---------|----------|----------|----------|----------|---------|---------|
| Contract Dates | | Mar 2014 | Mar 2015 | Mar 2016 | Mar 2017 | | |
| Delivery Dates | | Nov 2015 | Nov 2016 | Nov 2017 | Nov 2018 | | |

Installation Information

Method of Implementation: Contract Field Team

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2013 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | - / - | - / - | - / - | - / - | 11 / 2.129 | - / - | - / - | - / - | - / - | 11 / 2.129 |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 13 / 2.969 | - / - | - / - | - / - | 13 / 2.969 |
| FY 2016 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 16 / 3.764 | - / - | - / - | 16 / 3.764 |
| FY 2017 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 5 / 1.238 | - / - | 5 / 1.238 |
| FY 2018 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2019 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| To Complete | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | - / - | - / - | - / - | - / - | - / - | - / - | 11 / 2.129 | 13 / 2.969 | 16 / 3.764 | 5 / 1.238 | - / - | 45 / 10.100 |

Installation Schedule

| | PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | | FY 2016 | | | | FY 2017 | | | | FY 2018 | | | | FY 2019 | | | | TC | Tot |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | |
| In | 0 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 3 | 3 | 2 | 3 | 4 | 3 | 3 | 4 | 5 | 4 | 3 | 5 | - | - | - | - | 45 |
| Out | 0 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 3 | 3 | 2 | 3 | 4 | 3 | 3 | 4 | 5 | 4 | 3 | 5 | - | - | - | - | 45 |

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|---|--|--|--|---|--|--|-------------------------|--|--|--|--|--|
| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | Date: March 2014 | | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | | | | P-1 Line Item Number / Title: F03500 / F-35 Modifications | | | | Modification Number / Title: 2 / Concurrency | | | | |

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|---|--------------------|----------------|----------------|---------------------|---------------------|----------------------|----------------|----------------|----------------|----------------|--------------------|------------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | - | 74.232 | 63.357 | 105.090 | - | 105.090 | 120.814 | 221.423 | 246.243 | 261.240 | - | 1,092.399 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (<i>\$ in Millions</i>) | - | 74.232 | 63.357 | 105.090 | - | 105.090 | 120.814 | 221.423 | 246.243 | 261.240 | - | 1,092.399 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | - | 74.232 | 63.357 | 105.090 | - | 105.090 | 120.814 | 221.423 | 246.243 | 261.240 | - | 1,092.399 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial Spares (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

This effort (MN-F3516) funds retrofits due to concurrency changes to correct deficiencies discovered after DD-250 of the last aircraft in a given Low Rate Initial Production (LRIP) lot. This includes modifications required to extend aircraft service life currently limited by low-life parts, and relieve capability limitations driven by concurrency with development. The concurrency funding line will procure the highest priority modifications from the Tri-Service Modification Prioritization List, as soon as they become supportable from an engineering, production, and installation standpoint. The list is vetted by the Services and Partners every 6 months to ensure the list accurately reflects existing requirements as well as emerging issues. Per-kit costs will vary for each modification being implemented, and in some cases will also vary for aircraft from different LRIP lots to implement an individual modification. For FY15, the highest priority modifications will directly support Block 3i, USAF Ready for Training, and tactics development. Total cost reflects procurement and installation costs. The following modifications will be the highest priorities for accomplishment throughout the F-35A CTOL fleet using funds from this Budget Activity.

Technical Mod Change USAF CTOLs Title

Issue Request Priority Affected

- TI-0000-0165 CR-019135,B 1 16 High Level Float Valve Thread Locking
- TI-0000-0488 CR-018545,A 2 16 PDC Lightning Compliance
- TI-0000-0336 CR-TBD 3 74 PCD Electronics Unit Lightning Failures
- TI-0000-0385 CR-016910,C 4 16 Fuel Pressure/ Vent System Modification
- TI-PERB-0097 CR-TBD 5 8 IEU Lightning Compliance
- TI-0000-0495 CR-022105,A 6 TBD OBIGGS & Pressure/Vent Changes for Lightning Protection
- TI-0000-0336 CR-TBD 7 TBD PCD Electronics Unit (EU) Lightning Failures
- TI-0000-0119 CR-019771,A 8 49 -24 FINAL Ejection Seat
- TI-0000-0138 CR-018564,B 9 27 Wing Tip Light Improvement (FAA Compliance)
- TI-0000-0423 CR-016270,C 10 22 Engine Bleed Air Ducting Replacement
- TI-0000-1092 CR-022666 11 TBD Landing Taxi Light Redesign
- TI-0000-0129 CR-TBD 12 44 MLG Directional Control Valve Qual Failure
- TI-0000-1110 CR-022310,A 13 TBD Power and Thermal Management System (PTMS) Valve 14
- TI-0000-0998 CR-021915,A 14 TBD Dual HLFV Failure Results In Feed Tank Run Down
- TI-0000-0671 CR-TBD 15 49 IFF Transponder Operation During Emergency Conditions
- TI-0000-0631 CR-021180 16 38 Counter Measure Door (Opening Speed)
- #N/A CR-TBD 17 TBD IPP Manifold Plumbing Interface Change
- #N/A CR-TBD 18 TBD IPP Manifold Plumbing Retrofits

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | P-1 Line Item Number / Title: F03500 / F-35 Modifications | Modification Number / Title: 2 / Concurrency |
| <p>TI-0000-0655 CR-014819,D 19 16 EODAS Sensors/Brackets TI-0000-0331 CR-TBD 20 49 Actuators, WBDDS SRGAs Loads CI/CG Life Limits #N/A CR-TBD 21 TBD HMD High Speed Windblast Ejection #N/A CR-TBD 22 TBD 2CSH209030 Splice, Fuel Floor/Root Rib, FS 402 #N/A CR-TBD 23 TBD Production Thrust Recovery TI-0000-0286 CR-TBD 24 74 Backup Radio Lightning Failure TI-PERB-0102 CR-016633,D 25 27 Canopy Actuation System TI-0000-0193 CR-TBD 26 2 Elec Warfare Gain State Control Logic Error (BSCM) TI-0000-0991 CR-TBD 27 TBD CTOL Gun Muzzle and Purge Door Operating Speeds TI-0000-0191 CR-023047,A 28 60 270V BCCU Part Number Changes TI-PERB-0081 CR-014768,E 29 8 270V BCCU Change TI-PERB-0024 CR-TBD 30 8 Gun Gas Purge & Gun Port Door Actuators TI-0000-0683 CR-017534,B 31 16 CTOL HT Bearing Replacement TI-0000-0463 CR-017913,B 32 49 DaDT Repair - CTOL WTB Mid Fairing TI-0000-0463 CR-017913,B 33 TBD DaDT Repair for CTOL WTB Mid-Fairing Support TI-0000-0607 CR-021434 34 27 CTOL Station 3/9 Aft Pylon Rib TI-0000-0477 CR-020097,A 35 27 Aft EHAS Fasteners access panel TI-0000-0432 CR-020397,A 36 27 CTOL Wing Fwd Root Rib, LH/RH TI-0000-0264 CR-019516,A 37 14 PTMS Controller TI-0000-0723 CR-TBD 38 49 EOTS Sensor Alert Launch TI-0000-0343 CR-TBD 39 74 PCD Display Unit Qual Failures #N/A CR-TBD 40 TBD Short life CTOL FS 556 Bulkhead - Inspection TI-0000-0329 CR-TBD 41 16 Griswald Refuel Nozzle Clash TI-0000-0137 CR-020793 42 49 Ground Maintenance Motor Pump TI-0000-0516 CR-TBD 43 TBD AAR Probe Weak Link Adaptor TI-0000-0193 CR-TBD 44 TBD EW Gain State Control Logic Error TI-0000-0147 CR-TBD 45 16 PTMS PAO 3-Port Valves #N/A CR-TBD 46 TBD DVP Pressure Snubber TI-0000-1113 CR-TBD 47 TBD ESG Power Connector Rating TI-0000-0677 CR-013553,B 48 8 VT Fairing Seals Redesign #N/A CR-019542 49 16 Low Band Power Amp Link-16/EMC Update TI-0000-0125 CR-TBD 49 49 Countermeasures Door Actuator TI-0000-0658 CR-TBD 50 8 Electronic Warfare Controller Firmware Upgrade TI-0000-0480 CR-TBD 51 49 AESG ICC System Growth TI-0000-0780 CR-TBD 52 49 IPP Turbo TI-0000-1011 CR-022226,A 54 TBD L-Band Pre-Selector (LBPS) Propagation Delay TI-0000-0281 CR-TBD 55 27 Hoist Point Cover Sealing TI-0000-0245 CR-019469,C 56 74 LRIP II Antenna Switch Unit (ASU) -0003 TI-0000-0231 CR-019340,B 57 49 EU Cooling Orifice Change TI-0000-0298 CR-TBD 58 49 AMS Qual Failures TI-0000-0115 CR-020675,A 60 74 Horiz Tail EHA Pressure Transducer TI-0000-0917 CR-TBD 61 TBD IPP Exhaust Screen CTOL only TI-0000-0898 CR-022344 62 TBD Electronic Warfare Band 3/4 Aperature Narrow Band Null TI-0000-0935 CR-TBD 63 TBD Hardpoint Cover Mismatch #N/A CR-TBD 64 TBD S24 Software Change TI-0000-0154 CR-TBD 65 27 Weapons Bay Lights</p> | | |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | P-1 Line Item Number / Title: F03500 / F-35 Modifications | Modification Number / Title: 2 / Concurrency |
| <p>TI-0000-0154 CR-TBD 66 TBD Weapons Bay Lights - EEE Outages TI-PERB-0089 CR-TBD 67 8 Avionics Bay Environmental Seal Change TI-PERB-0010 CR-TBD 68 16 Radar Harness Redesign TI-PERB-0077 CR-TBD 69 10 Small Diameter Bomb (SDB) Rack Strut TI-0000-0344 CR-TBD 70 TBD HMD Fixed Camera Humidity TI-0000-0873 CR-TBD 71 49 Data Processor Durability Qualification Test Failures TI-0000-0877 CR-TBD 72 27 Common Bus Interface / Synch Durability #N/A CR-TBD 73 TBD Plug tooling holes to fix ventilation issue #N/A CR-TBD 74 TBD EOTS IDA Sensor Assembly #N/A CR-TBD 75 TBD Fuselage Remote Interface Unit (FRIU) Store Carriage #N/A CR-TBD 76 TBD CTOL Fwd Upper Engine Mount #N/A CR-TBD 77 TBD Inability to Arm Stores #N/A CR-TBD 78 TBD CCDD LRIP 3 - 0016 Air Refuel Intercom #N/A CR-TBD 79 TBD EIPRS V9.2 Controller CTOL LRIP 1/2 #N/A CR-TBD 80 TBD EOTS Hot ICAW Inoperative TI-0000-0122 CR-019301 81 60 28V Charger and Battery Part Number Changes TI-0000-0363 CR-020636,A 82 8 Transparency Removal System (TRS) Component Changes TI-PERB-0057 CR-TBD 83 8 Nacelle Fan - Full Qualified Configuration TI-0000-1078 CR-TBD 84 TBD Nacelle Insulation TI-0000-0121 CR-TBD 85 TBD Inboard / Outboard WBD Interference TI-0000-0654 CR-020726,A 86 27 Inlet Debris Monitoring System (IDMS) REF DES Mismatch TI-0000-0286 CR-TBD 87 TBD Backup Radio Lightning Failure TI-0000-0469 CR-TBD 88 49 Life Support System Including SPA TI-0000-0913 CR-TBD 89 16 LEFAS Power Drive Unit (PDU) TI-PERB-0004 CR-013644,D 90 1 MLG Strut Redesign TI-0000-0064 CR-020933 91 34 Countermeasures Control Valve TI-0000-0117 CR-019107 92 16 CTOL Trestle Inst Cotter Pin Alignment & Joint Clamp Up TI-0000-0127 CR-TBD 93 49 MLG Door Actuator TI-0000-0127 CR-TBD 94 TBD FWD MLG Door Actuator Qualification Failure TI-0000-0575 CR-020289,A 95 16 STOVL Aux Air Inlet Door Emer Control Valve TI-0000-0136 CR-TBD 96 36 Bootstrap Reservoir TI-PERB-0101 CR-015956,A 97 1 NLG Down Lock Actuator TI-PERB-0106 CR-TBD 98 TBD WBD Fwd Uplock Roller Bracket TI-0000-0208 CR-020003,A 99 27 CTOL/CV Heat Treat Pushrod Assemblies TI-PERB-0042 CR-TBD 100 16 Return Fuel Cooler HX Coating TI-PERB-0083 CR-014917,F 101 9 CTOL/STOVL EHAS/LEFAS -0011 EU & Rack Config Update TI-0000-0063 CR-018838,A 102 16 Bootstrap Accumulator TI-0000-0031 CR-018835,B 103 15 NLG Nose Wheel Steering Motor TI-0000-0398 CR-019930,C 104 11 CTOL Arresting Hook Aft Door Spring Damper TI-0000-0056 CR-019004,B 105 12 IPP Door Controller TI-0000-0135 CR-021459,B 106 27 Engine Driven Pump TI-0000-0513 CR-TBD 107 16 Ground Maintenance Motor Pump Controller TI-0000-0128 CR-TBD 108 60 NLG Door Actuator TI-0000-0126 CR-TBD 109 60 MSE Door Actuator TI-0000-0263 CR-TBD 110 8 Power Panel 1/2/3 Change TI-0000-0802 CR-022450 111 60 MLG Drag Brace Fitting Life Limit (CTOL / STOVL)</p> | | |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | P-1 Line Item Number / Title: F03500 / F-35 Modifications | Modification Number / Title: 2 / Concurrency |
| <p>TI-0000-0802 CR-022450 112 TBD MLG Drag Brace Fitting Life Limit TI-0000-0405 CR-TBD 113 60 Electrical Distribution Units 1, 2 TI-0000-0405 CR-TBD 114 TBD EDU Random Vibe Failures TI-0000-0412 CR-020680,B 115 27 Wing Lighting Controller Salt Fog Failure TI-0000-0673 CR-020743,A 116 27 Ordnance Quick Latch System (OQLS) Clip Lock TI-PERB-0087 CR-TBD 117 7 CTOL/STOVL/CV Flaperon EHA Pump Design Change #N/A CR-TBD 118 4 Engine Inspection Panel Short Shank Fasteners TI-0000-0133 CR-022196,A 119 49 Filter Module, Pressure TI-PERB-0095 CR-TBD 120 2 Manual Drive Unit TI-0000-0049 CR-TBD 121 8 Ordnance Quick Latch System Corrosion TI-0000-0158 CR-TBD 122 49 WBDDS Flexi Cable Assemblies (6) TI-0000-0289 CR-TBD 123 49 ALNC Radar Power Supply Qual Failures TI-0000-0289 CR-TBD 124 TBD ALNC Radar Power Supply Qual Failures TI-0000-0340 CR-TBD 125 74 CNI 3A Motherboard TI-0000-0134 CR-TBD 126 49 Filter Module, Return/Case #N/A CR-TBD 127 TBD IPP System Wear Solution (FDHX Durability Improvement) TI-0000-0406 CR-TBD 128 49 OHS Flyaway Hoist Strap TI-0000-0316 CR-019981,A 129 TBD Short life CTOL FS 496 Bulkhead - Trunnion #N/A CR-TBD 130 TBD Short life CTOL FS 496 Bulkhead - Station 6 Inspection TI-0000-0842 CR-TBD 131 TBD CV HT Rib 5 Life Limited AF - Structures Part TI-0000-0456 CR-020396,D 132 27 CTOL Bulkhead - FS 450 (Force Life Management) TI-0000-0457 CR-020396,D 133 27 CTOL Bulkhead - FS 472 (Force Life Management) TI-0000-0458 CR-020396,D 134 27 CTOL Bulkhead - FS 518 (Force Life Management) TI-0000-0460 CR-020396,D 135 27 CTOL Bulkhead - FS 556 (Force Life Management) TI-0000-0441 CR-020773,A 136 49 CTOL FS 594 Center Arch Life Limit TI-0000-0316 CR-TBD 137 38 CTOL FS 496 Bulkhead Redesign & Rework TI-0000-0467 CR-TBD 138 34 CTOL Fuel Floor, FS 496-556, LH TI-0000-0468 CR-TBD 139 34 CTOL Fuel Floor, FS 496-556, RH TI-0000-0449 CR-TBD 140 49 CTOL Kicked Keel LH/RH TI-0000-0450 CR-TBD 141 49 CTOL Frame 609 LH/RH (Force Life Management) TI-0000-0452 CR-TBD 142 49 CTOL Aft Moment Fitting LH/RH (Force Life Management) TI-0000-0459 CR-TBD 143 27 CTOL Bulkhead - FS 518, Lower (Force Life Management) #N/A CR-TBD 144 TBD BH-1 Weapons Bay Doors #N/A CR-TBD 145 TBD EHA Life Deficiency TI-0000-0282 CR-TBD 146 27 Audio Control Electronics (ACE) Component TI-0000-1101 CR-022647,A 147 TBD GMMP Controller EEE Outage TI-0000-0151 CR-TBD 149 49 Forward Lighting Controller TI-0000-0538 CR-020593 150 TBD Flaperon Electro Hydraulic Actuator (EHA) Corrosion TI-PERB-0084 CR-TBD 151 7 ACCM Filter Pin TI-0000-0058 CR-018274 152 10 Back-up Radio Tray Clearance TI-0000-0132 CR-TBD 153 16 CTOL Valve, Mechanical Sequence (Tailhook/Refuel Probe) TI-0000-0153 CR-TBD 154 27 Slipway Panel/Strip Lights TI-0000-0538 CR-020593 155 27 Flaperon EHA Corrosion TI-0000-0585 CR-TBD 156 74 OBOGS Low Inlet Pressure Filtering #N/A CR-TBD 157 TBD Ball Joint Salt Fog Failure TI-0000-0191 CR-TBD 158 TBD 270V BCCU</p> | | |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | P-1 Line Item Number / Title: F03500 / F-35 Modifications | Modification Number / Title: 2 / Concurrency |
| <p>TI-0000-0477 CR-020097,A 159 TBD AFT EHAS Panels Fasteners Threads-In-Bearing TI-0000-0130 CR-020289,A 160 TBD IRCM Door Emergency Control Valves TI-0000-0539 CR-020611,A 161 27 Cracking of Bifurication Seam Treatment TI-0000-0539 CR-020611,A 162 TBD Cracking of Bifurication Seam Treatment TI-PERB-0093 CR-TBD 163 8 Flow Sensor EMI/Vibration TI-PERB-0085 CR-TBD 164 8 Replacement of Door Actuator Lock Assemblies TI-0000-0282 CR-TBD 166 TBD ACE EEE/lightning Qualification Failures</p> <p>Milestone/Development Status</p> <p>DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES For the F-35 program, concurrency phases out with the completion of SDD.</p> | | |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | | | | Date: March 2014 | | |
|---|--------------------------------|--------------------------------|--------------------------------|---|--------------------------------|--------------------------------|--------------------------------|--|--------------------------------|--|--------------------------------|--------------------------------|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | | | | P-1 Line Item Number / Title: F03500 / F-35 Modifications | | | | | | Modification Number / Title: 2 / Concurrency | | |
| Models of Systems Affected: F-35A | | | | Modification Type: Other | | | | Related RDT&E PEs: 0604800F | | | | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Procurement | | | | | | | | | | | | |
| <i>Modification Item 1 of 1: Concurrency</i> | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | |
| Concurrency:INSTALL KITS Group A (Active) | - / - | - / 74.232 | - / 63.357 | - / 101.290 | - / - | - / 101.290 | - / 115.164 | - / 213.048 | - / 235.933 | - / 253.020 | - / - | - / 1,056.044 |
| <i>Subtotal: Recurring</i> | - / - | - / 74.232 | - / 63.357 | - / 101.290 | - / - | - / 101.290 | - / 115.164 | - / 213.048 | - / 235.933 | - / 253.020 | - / - | - / 1,056.044 |
| <i>Subtotal: Concurrency</i> | - / - | - / 74.232 | - / 63.357 | - / 101.290 | - / - | - / 101.290 | - / 115.164 | - / 213.048 | - / 235.933 | - / 253.020 | - / - | - / 1,056.044 |
| <i>Subtotal: Procurement, All Modification Items</i> | - / - | - / 74.232 | - / 63.357 | - / 101.290 | - / - | - / 101.290 | - / 115.164 | - / 213.048 | - / 235.933 | - / 253.020 | - / - | - / 1,056.044 |
| Support (All Modification Items) | | | | | | | | | | | | |
| ICS-Labor | - / - | - / - | - / - | - / 3.500 | - / - | - / 3.500 | - / 5.250 | - / 7.875 | - / 9.810 | - / 7.720 | - / - | - / 34.155 |
| OTHER GOVT | - / - | - / - | - / - | - / 10.300 | - / - | - / 10.300 | - / 10.400 | - / 10.500 | - / 10.500 | - / 10.500 | - / - | - / 12.200 |
| <i>Subtotal: Support</i> | - / - | - / - | - / - | - / 3.800 | - / - | - / 3.800 | - / 5.650 | - / 8.375 | - / 10.310 | - / 8.220 | - / - | - / 36.355 |
| Installation | | | | | | | | | | | | |
| <i>Subtotal: Installation</i> | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | | | | | | | | | | | | |
| Total Cost (Procurement + Support + Installation) | - | 74.232 | 63.357 | 105.090 | - | 105.090 | 120.814 | 221.423 | 246.243 | 261.240 | - | 1,092.399 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | Date: March 2014 | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | | | P-1 Line Item Number / Title: F03500 / F-35 Modifications | | Modification Number / Title: 2 / Concurrency | | |
| <i>Modification Item 1 of 1:</i> Concurrency | | | | | | | |
| Modification Item MDAP/MAIS Code: | | | | | | | |
| Manufacturer Information | | | | | | | |
| Manufacturer Name: Lockheed Martin | | | | Manufacturer Location: Fort Worth | | | |
| Administrative Leadtime (<i>in Months</i>): 0 | | | | Production Leadtime (<i>in Months</i>): 0 | | | |
| Dates | FY 2013 | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
| Contract Dates | | | | | | | |
| Delivery Dates | | | | | | | |
| Installation Information | | | | | | | |
| Method of Implementation (Organic): Org/Intermediate | | | | | Installation Quantity: 0 | | |
| | | | | | | | |

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft

P-1 Line Item Number / Title:
F2232B / Increment 3.2b

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0605213F **Other Related Program Elements:** 0605213F

Line Item MDAP/MAIS Code: 474 **Item MDAP/MAIS Code(s):**

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO [#] | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|---|-------------|---------|---------|---------------|--------------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | 70.184 | 79.930 | 146.246 | 13.322 | 20.586 | 330.268 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (<i>\$ in Millions</i>) | - | - | - | - | - | - | 70.184 | 79.930 | 146.246 | 13.322 | 20.586 | 330.268 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | 28.500 | - | 28.500 | - | - | - | - | - | 28.500 |
| Total Obligation Authority (<i>\$ in Millions</i>) | - | - | - | 28.500 | - | 28.500 | 70.184 | 79.930 | 146.246 | 13.322 | 20.586 | 358.768 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial Spares (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Flyaway Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

Increment 3.2B will integrate the newest air-to-air intercept missiles (i.e., AIM-9X and AIM-120D), further improve the Electronic Protection (EP) capability over Increment 3.2A, and enhance the F-22s geolocation capability from the Increment 3.1 baseline with the addition of the Geolocation 2 candidate. Increment 3.2B will include the Enhanced Stores Management System (ESMS), as well as, Common Weapon Engagement Zone (Common WEZ), an Intra-Flight Datalink (IFDL) improvement to increase IFDL bandwidth and enable cooperative functions required to realize Increment 3.2B candidates.

In addition to the aforementioned hardware modifications and integration requirements, Increment 3.2B will develop, certify and integrate a new platform operational flight program to ensure the system interoperability and performance of all increment-level developments.

Increment 3.2B retrofits Block 30 and 35 aircraft with hardware to host Increment 3.2B capabilities including the Enhanced Stores Management System (ESMS) Common Split Bus, AIM-120D, AIM-9X, Electronic Protection enhancements, IFDL improvements, and Geolocate 2.0. Increment 3.2B is the user's highest priority for F-22.

The Increment 3.2B modification is a New Start in FY15 with Advance Procurement for long lead parts.

| Secondary Distribution | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|----------------------------|---------|---------|--------------|-------------|---------------|---------|---------|---------|---------|
| AF | | | | | | | | | |
| Quantity | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority | - | - | - | - | - | 70.184 | 79.930 | 111.136 | 13.322 |
| AFNG | | | | | | | | | |
| Quantity | - | - | - | - | - | - | - | - | - |

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft

P-1 Line Item Number / Title:
F2232B / Increment 3.2b

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0605213F **Other Related Program Elements:** 0605213F

Line Item MDAP/MAIS Code: 474 **Item MDAP/MAIS Code(s):**

| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|-------------------------------|-----------------------------------|---------|---------|--------------|-------------|---------------|---------|---------|---------|---------|
| | Total Obligation Authority | - | - | - | - | - | - | - | 35.110 | - |
| Total: | Quantity | - | - | - | - | - | - | - | - | - |
| Secondary Distribution | Total Obligation Authority | - | - | - | - | - | 70.184 | 79.930 | 146.246 | 13.322 |

| Exhibits Schedule | | Prior Years | | | FY 2013 | | | FY 2014 | | | FY 2015 Base | | | FY 2015 OCO | | | FY 2015 Total | | | |
|---------------------------------------|----------|-------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|
| Title* | Exhibits | ID CD | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| P-3a - 11100 / INCREMENT 3.2B | P-3a | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Gross/Weapon System Cost | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

| Exhibits Schedule | | FY 2016 | | | FY 2017 | | | FY 2018 | | | FY 2019 | | | To Complete | | | Total | | | |
|---------------------------------------|----------|---------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|
| Title* | Exhibits | ID CD | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| P-3a - 11100 / INCREMENT 3.2B | P-3a | | - | - | 70.184 | - | - | 79.930 | - | - | 146.246 | - | - | 13.322 | - | - | 20.586 | - | - | 330.268 |
| Total Gross/Weapon System Cost | | | - | - | 70.184 | - | - | 79.930 | - | - | 146.246 | - | - | 13.322 | - | - | 20.586 | - | - | 330.268 |

*For the P-3a, Title represents the Modification Number / Title.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:

Where applicable, justification for individual modifications is provided in the P-3A exhibits.

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|---|--|--|--|---|--|--|-------------------------|---|--|--|--|--|
| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | Date: March 2014 | | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | | | | P-1 Line Item Number / Title: F2232B / Increment 3.2b | | | | Modification Number / Title: 11100 / INCREMENT 3.2B | | | | |

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|---|--------------------|----------------|----------------|---------------------|---------------------|----------------------|----------------|----------------|----------------|----------------|--------------------|----------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | 70.184 | 79.930 | 146.246 | 13.322 | 20.586 | 330.268 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (<i>\$ in Millions</i>) | - | - | - | - | - | - | 70.184 | 79.930 | 146.246 | 13.322 | 20.586 | 330.268 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | 28.500 | - | 28.500 | - | - | - | - | - | 28.500 |
| Total Obligation Authority (<i>\$ in Millions</i>) | - | - | - | 28.500 | - | 28.500 | 70.184 | 79.930 | 146.246 | 13.322 | 20.586 | 358.768 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|-------|-------|-------|---|---|--------|
| Initial Spares (<i>\$ in Millions</i>) | - | - | - | - | - | - | 3.768 | 3.969 | 7.448 | - | - | 15.185 |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

Increment 3.2B retrofits Block 30 and 35 aircraft with hardware to host Increment 3.2B capabilities including the Enhanced Stores Management System (ESMS) Common Split Bus, AIM-120D, AIM-9X, Electronic Protection enhancements, IFDL improvements, and Geolocate 2.0. Increment 3.2B is the user's highest priority for F-22. The cost and schedule of the retrofit program is estimated and will not be final until development nears completion and a proposal is received to accomplish the effort.

The Increment 3.2B modification is a New Start in FY15 with Advance Procurement dollars. Kit installations will be accomplished by contractor field teams. Increment 3.2B also includes Mission Support Requirements.

Milestone/Development Status

Development efforts continue through FY17. FY18 and out includes reoccurring software maintenance costs accounted for in RDT&E.

| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|--------------------------------------|-----------------------------------|----------------|----------------|---------------------|--------------------|----------------------|----------------|----------------|----------------|----------------|
| AF | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | - | - | - | - | - | 70.184 | 79.930 | 111.136 | 13.322 |
| AFNG | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | - | - | - | - | - | - | - | 35.110 | - |
| Total: Secondary Distribution | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | - | - | - | - | - | 70.184 | 79.930 | 146.246 | 13.322 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | | | | Date: March 2014 | | | |
|---|--------------------------------|--------------------------------|--------------------------------|--|---|--------------------------------|--------------------------------|--|--------------------------------|---|--------------------------------|--------------------------------|--|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | | | | | P-1 Line Item Number / Title: F2232B / Increment 3.2b | | | | | Modification Number / Title: 11100 / INCREMENT 3.2B | | | |
| Models of Systems Affected: F-22 | | | | Modification Type: Capability Improvement | | | | Related RDT&E PEs: 0605213F | | | | | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total | |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | |
| RDT&E PE # | | | | | | | | | | | | | |
| 0605213F | - / - | - / 110.432 | - / 115.000 | - / 173.647 | - / - | - / 173.647 | - / 141.575 | - / 73.042 | - / 1.411 | - / 1.438 | - / - | - / 1616.545 | |
| Procurement | | | | | | | | | | | | | |
| <i>Modification Item 1 of 1: Inc 32B Kits</i> | | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| Inc 32B Kits:INSTALL KITS Group A (Active) | - / - | - / - | - / - | - / - | - / - | - / - | - / 0.800 | - / 0.900 | - / 1.600 | - / - | - / - | - / 3.300 | |
| <i>Subtotal: Recurring</i> | - / - | - / - | - / - | - / - | - / - | - / - | - / 0.800 | - / 0.900 | - / 1.600 | - / - | - / - | - / 3.300 | |
| B Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| Inc 32B Kits:EQUIPMENT Group B (Active) | - / - | - / - | - / - | - / - | - / - | - / - | 35 / 62.751 | 36 / 74.259 | 52 / 91.025 | - / - | - / - | 123 / 228.035 | |
| Inc 32B Kits:EQUIPMENT Group B (Guard) | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 20 / 35.110 | - / - | - / - | 20 / 35.110 | |
| <i>Subtotal: Recurring</i> | - / - | - / - | - / - | - / - | - / - | - / - | - / 62.751 | - / 74.259 | - / 126.135 | - / - | - / - | - / 263.145 | |
| <i>Subtotal: Inc 32B Kits</i> | - / - | - / - | - / - | - / - | - / - | - / - | - / 63.551 | - / 75.159 | - / 127.735 | - / - | - / - | - / 266.445 | |
| <i>Subtotal: Procurement, All Modification Items</i> | - / - | - / - | - / - | - / - | - / - | - / - | - / 63.551 | - / 75.159 | - / 127.735 | - / - | - / - | - / 266.445 | |
| Support (All Modification Items) | | | | | | | | | | | | | |
| GROUP B: TOTAL NONRECURRING | | | | | | | | | | | | | |
| Data | - / - | - / - | - / - | - / - | - / - | - / - | - / 1.700 | - / 1.800 | - / 3.300 | - / 0.221 | - / 0.400 | - / 7.421 | |
| SIM/TRAINER | - / - | - / - | - / - | - / - | - / - | - / - | - / 0.800 | - / 0.200 | - / - | - / - | - / - | - / 1.000 | |
| PMA - Other Gov't Costs | - / - | - / - | - / - | - / - | - / - | - / - | - / 4.133 | - / 2.771 | - / 5.711 | - / 0.816 | - / 1.048 | - / 14.479 | |
| <i>Subtotal: Support</i> | - / - | - / - | - / - | - / - | - / - | - / - | - / 6.633 | - / 4.771 | - / 9.011 | - / 1.037 | - / 1.448 | - / 22.900 | |
| Installation | | | | | | | | | | | | | |
| <i>Modification Item 1 of 1: Inc 32B Kits</i> | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 35 / 9.500 | 36 / 12.285 | 72 / 19.138 | 143 / 40.923 | |
| <i>Subtotal: Installation</i> | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 35 / 9.500 | 36 / 12.285 | 72 / 19.138 | 143 / 40.923 | |
| Total | | | | | | | | | | | | | |
| Total Cost (Procurement + Support + Installation) | - | - | - | - | - | - | 70.184 | 79.930 | 146.246 | 13.322 | 20.586 | 330.268 | |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | Date: March 2014 | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | | | P-1 Line Item Number / Title: F2232B / Increment 3.2b | | | | Modification Number / Title: 11100 / INCREMENT 3.2B | | | |
| Models of Systems Affected: | | Modification Type: Capability Improvement | | Related RDT&E PEs: 0605213F | | | | | | |
| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
| | | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Procurement | | | | | | | | | | |
| Modification Item 1 of 1: Inc 32B Kits | | | | | | | | | | |
| AF | | - / - | - / - | - / - | - / - | - / - | - / 63.551 | - / 75.159 | - / 92.625 | - / - |
| AFNG | | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 35.110 | - / - |
| <i>Subtotal: Inc 32B Kits Secondary Distribution</i> | | - / - | - / - | - / - | - / - | - / - | - / 63.551 | - / 75.159 | - / 127.735 | - / - |
| <i>Subtotal: Procurement, All Modification Items</i> | | - / - | - / - | - / - | - / - | - / - | - / 63.551 | - / 75.159 | - / 127.735 | - / - |
| Support | | | | | | | | | | |
| AF | | - / - | - / - | - / - | - / - | - / - | - / 6.633 | - / 14.771 | - / 9.011 | - / 11.037 |
| <i>Subtotal: Support</i> | | - / - | - / - | - / - | - / - | - / - | - / 6.633 | - / 14.771 | - / 9.011 | - / 11.037 |
| Installation | | | | | | | | | | |
| Modification Item 1 of 1: Inc 32B Kits | | | | | | | | | | |
| <i>Contract Field Team</i> | | | | | | | | | | |
| AF | | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 35 / 9.500 | 36 / 12.285 |
| <i>Subtotal: Contract Field Team</i> | | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 35 / 9.500 | 36 / 12.285 |
| <i>Subtotal: Inc 32B Kits</i> | | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 35 / 9.500 | 36 / 12.285 |
| <i>Subtotal: Installation</i> | | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 35 / 9.500 | 36 / 12.285 |
| Total | | | | | | | | | | |
| Total: Secondary Distribution, All Modification Items | | - / - | - / - | - / - | - / - | - / - | - / 70.184 | - / 79.930 | - / 146.246 | - / 13.322 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | P-1 Line Item Number / Title: F2232B / Increment 3.2b | Modification Number / Title: 11100 / INCREMENT 3.2B |

Modification Item 1 of 1: Inc 32B Kits

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Lockheed Martin Manufacturer Location: Fort Worth, TX

Administrative Leadtime (in Months): 1 Production Leadtime (in Months): 24

| Dates | FY 2013 | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|----------------|---------|---------|---------|----------|---------|---------|---------|
| Contract Dates | | | | Jan 2016 | | | |
| Delivery Dates | | | | Jan 2018 | | | |

Installation Information

Method of Implementation: Contract Field Team

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|-----------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2013 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2016 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 35 / 9.500 | - / - | - / - | 35 / 9.500 |
| Secondary Distribution - AF | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 35 / 9.500 | - / - | - / - | - / - |
| FY 2017 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 36 / 12.285 | - / - | 36 / 12.285 |
| Secondary Distribution - AF | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 36 / 12.285 | - / - | - / - |
| FY 2018 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 72 / 19.138 | 72 / 19.138 |
| FY 2019 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| To Complete | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 35 / 9.500 | 36 / 12.285 | 72 / 19.138 | 143 / 40.923 |
| Secondary Distribution - AF | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 35 / 9.500 | 36 / 12.285 | - / - | - / - |

Installation Schedule

| | PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | | FY 2016 | | | | FY 2017 | | | | FY 2018 | | | | FY 2019 | | | | TC | Tot |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | |
| In | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 11 | 12 | 12 | 9 | 9 | 9 | 9 | 72 | 143 |
| Out | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 11 | 12 | 12 | 9 | 9 | 9 | 9 | 72 | 143 |

UNCLASSIFIED

Exhibit P-40, Advance Procurement Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

| | |
|---|---|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft | P-1 Line Item Number / Title: F2232B / Increment 3.2b |
|---|---|

| | | |
|---|--|---|
| ID Code (A=Service Ready, B=Not Service Ready) : | Program Elements for Code B Items: 0605213F | Other Related Program Elements: 0605213F |
|---|--|---|

| | |
|--------------------------------------|--------------------------------|
| Line Item MDAP/MAIS Code: 474 | Item MDAP/MAIS Code(s): |
|--------------------------------------|--------------------------------|

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|---|-------------|---------|---------|---------------|--------------|---------------|---------|---------|---------|---------|-------------|---------------|
| Gross/Weapon System Cost <i>(\$ in Millions)</i> | - | - | - | 28.500 | - | 28.500 | - | - | - | - | - | 28.500 |
| Net Procurement (P1) <i>(\$ in Millions)</i> | - | - | - | 28.500 | - | 28.500 | - | - | - | - | - | 28.500 |
| Total Obligation Authority <i>(\$ in Millions)</i> | - | - | - | 28.500 | - | 28.500 | - | - | - | - | - | 28.500 |

Description:

F-22 Increment 3.2B will integrate the newest air-to-air intercept missiles (i.e., AIM-9X and AIM-120D), further improve the Electronic Protection (EP) capability over Increment 3.2A, and enhance the F-22s geolocation capability from the Increment 3.1 baseline with the addition of the Geolocation 2 candidate. Increment 3.2B will include the Enhanced Stores Management System (ESMS), as well as, Common Weapon Engagement Zone (Common WEZ), an Intra-Flight Datalink (IFDL) improvement to increase IFDL bandwidth and enable cooperative functions required to realize Increment 3.2B candidates. (See the P3A for a complete description and justification of the F-22 Increment 3.2B modification #11100).

Advance procurement (AP) funds support the procurement of long-lead components and special test equipment/diminishing manufacturing source items for the F-22 Increment 3.2B modification (#11100) Low Rate Initial Procurement (LRIP) of 35 aircraft.

In addition, the AP will mitigate the 24 month production gap between the end of the Engineering and Manufacturing Development (EMD) hardware production and the LRIP hardware procurement.

The F-22 Increment 3.2B AP was approved by the Milestone Decision Authority (MDA) in the EMD Acquisition Decision Memorandum (ADM) at Milestone B in June 2012.

The FY15 budget fully funds the F-22 Increment 3.2B AP requirement.

The Increment 3.2B modification is a New Start in FY15 with the Advance Procurement of long lead components.

| Exhibits Schedule | | Prior Years | | | FY 2013 | | | FY 2014 | | | FY 2015 Base | | | FY 2015 OCO | | | FY 2015 Total | | | |
|---------------------------------------|----------|-------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|
| Title* | Exhibits | ID CD | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| P-3a - 11100 / INCREMENT 3.2B | P-10 | | | | - | | | - | | | - | | | 28.500 | | | - | | | 28.500 |
| Total Gross/Weapon System Cost | | | | | - | | | - | | | - | | | 28.500 | | | - | | | 28.500 |

UNCLASSIFIED

Exhibit P-40, Advance Procurement Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

| | |
|---|---|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft | P-1 Line Item Number / Title: F2232B / Increment 3.2b |
|---|---|

| | | |
|---|--|---|
| ID Code (A=Service Ready, B=Not Service Ready) : | Program Elements for Code B Items: 0605213F | Other Related Program Elements: 0605213F |
|---|--|---|

| | |
|--------------------------------------|--------------------------------|
| Line Item MDAP/MAIS Code: 474 | Item MDAP/MAIS Code(s): |
|--------------------------------------|--------------------------------|

| Exhibits Schedule | | FY 2016 | | | FY 2017 | | | FY 2018 | | | FY 2019 | | | To Complete | | | Total | | | |
|---------------------------------------|----------|---------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|
| Title* | Exhibits | ID CD | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| P-3a - 11100 / INCREMENT 3.2B | P-10 | | | | - | | | - | | | - | | | - | | | - | | | 28.500 |
| Total Gross/Weapon System Cost | | | | | - | | | - | | | - | | | - | | | - | | | 28.500 |

*For Items, Title represents the Item Number / Title [DODIC].

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 The FY15 budget of \$28.500M reflects the planned Advance Procurement (AP) of long-lead components and special test equipment/diminishing manufacturing source items for the F-22 Increment 3.2B modification (#11100) Low Rate Initial Procurement (LRIP) of 35 aircraft.

In addition, the AP will mitigate the 24 month production gap between the end of the Engineering and Manufacturing Development (EMD) hardware production and the LRIP hardware procurement.

The F-22 Increment 3.2B AP was approved by the Milestone Decision Authority (MDA) in the EMD Acquisition Decision Memorandum (ADM) at Milestone B in June 2012.

The FY15 budget fully funds the F-22 Increment 3.2B AP requirement.

The Increment 3.2B modification is a New Start in FY15 with the Advance Procurement of long lead components.

UNCLASSIFIED

Exhibit P-10, Advance Procurement Requirements Analysis (page 1 - Budget Funding Justification): PB 2015 Air Force **Date:** March 2014

| | | |
|---|---|---|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | P-1 Line Item Number / Title: F2232B / Increment 3.2b | P-3a Number / Title / Item Title: 11100 / INCREMENT 3.2B / Inc 32B Kits |
|---|---|---|

ID Code (A=Service Ready, B=Not Service Ready) :

| | | |
|--|---|--|
| First System (2015) Award Date: January 2015 | First System (2015) Completion Date: January 2018 | Interval Between Systems: 2 Months |
|--|---|--|

| Inc 32B Kits | Production Leadtime <i>(Months)</i> | Prior Years <i>(Each)</i> | FY 2013 <i>(Each)</i> | FY 2014 <i>(Each)</i> | FY 2015 <i>(Each)</i> | FY 2016 <i>(Each)</i> | FY 2017 <i>(Each)</i> | FY 2018 <i>(Each)</i> | FY 2019 <i>(Each)</i> | To Complete <i>(Each)</i> | Total <i>(Each)</i> |
|---------------------|---|-------------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|-------------------------------------|-------------------------------|
| Quantity | | - | - | - | - | - | - | - | - | - | - |

| Cost Element | When Rqd <i>(Months)</i> | Prior Years <i>(\$ M)</i> | FY 2013 <i>(\$ M)</i> | FY 2014 <i>(\$ M)</i> | FY 2015 <i>(\$ M)</i> | FY 2016 <i>(\$ M)</i> | FY 2017 <i>(\$ M)</i> | FY 2018 <i>(\$ M)</i> | FY 2019 <i>(\$ M)</i> | To Complete <i>(\$ M)</i> | Total <i>(\$ M)</i> |
|---|------------------------------------|-------------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|-------------------------------------|-------------------------------|
| CFE | | | | | | | | | | | |
| Equipment | 12 | - | - | - | 28.500 | - | - | - | - | - | 28.500 |
| <i>Total: CFE</i> | | - | - | - | 28.500 | - | - | - | - | - | 28.500 |
| Total Advance Procurement/Obligation Authority | | - | - | - | 28.500 | - | - | - | - | - | 28.500 |

UNCLASSIFIED

Exhibit P-10, Advance Procurement Requirements Analysis (page 2 - Budget Funding Justification): PB 2015 Air Force **Date:** March 2014

| | | |
|---|---|---|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2 | P-1 Line Item Number / Title: F2232B / Increment 3.2b | P-3a Number / Title / Item Title: 11100 / INCREMENT 3.2B / Inc 32B Kits |
|---|---|---|

ID Code (A=Service Ready, B=Not Service Ready) :

| Cost Elements | QPA <i>(Each)</i> | FY 2015 | | | | | Total Cost Request <i>(\$ M)</i> |
|---|----------------------|--|----------------------------|------------------------|---------------------------|--------|-------------------------------------|
| | | Production Leadtime <i>(Months)</i> | Unit Cost <i>(\$ M)</i> | Contract Forecast Date | 2015 Qty <i>(Each)</i> | For FY | |
| CFE | | | | | | | |
| Equipment | - | 36 | 0.814 | Jan 2015 | 35 | | 28.500 |
| <i>Total: CFE</i> | | | | | | | 28.500 |
| Total Advance Procurement/Obligation Authority | | | | | | | 28.500 |

Description:
 F-22 Increment 3.2B will integrate the newest air-to-air intercept missiles (i.e., AIM-9X and AIM-120D), further improve the Electronic Protection (EP) capability over Increment 3.2A, and enhance the F-22s geolocation capability from the Increment 3.1 baseline with the addition of the Geolocation 2 candidate. Increment 3.2B will include the Enhanced Stores Management System (ESMS), as well as, Common Weapon Engagement Zone (Common WEZ), an Intra-Flight Datalink (IFDL) improvement to increase IFDL bandwidth and enable cooperative functions required to realize Increment 3.2B candidates. (See the P3A for a complete description and justification of the F-22 Increment 3.2B modification #11100).

Advance procurement (AP) funds support the procurement of long-lead components and special test equipment/diminishing manufacturing source items for the F-22 Increment 3.2B modification (#11100) Low Rate Initial Procurement (LRIP) of 35 aircraft.

In addition, the AP will mitigate the 24 month production gap between the end of the Engineering and Manufacturing Development (EMD) hardware production and the LRIP hardware procurement.

The F-22 Increment 3.2B AP was approved by the Milestone Decision Authority (MDA) in the EMD Acquisition Decision Memorandum (ADM) at Milestone B in June 2012.

The FY15 budget fully funds the F-22 Increment 3.2B AP requirement.

The Increment 3.2B modification is a New Start in FY15 with the Advance Procurement of long lead components.

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

| | |
|--|--|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft | P-1 Line Item Number / Title: C00500 / C-5 |
|--|--|

| | | |
|---|--|---|
| ID Code (A=Service Ready, B=Not Service Ready) : | Program Elements for Code B Items: 0401119F | Other Related Program Elements: 0401119F |
|---|--|---|

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|---|--------------|--------------|--------------|---------------|--------------|---------------|---------------|---------------|---------------|---------------|-------------|----------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 9.297 | 6.958 | 0.956 | 14.731 | - | 14.731 | 27.773 | 38.933 | 36.323 | 54.005 | - | 188.976 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (<i>\$ in Millions</i>) | 9.297 | 6.958 | 0.956 | 14.731 | - | 14.731 | 27.773 | 38.933 | 36.323 | 54.005 | - | 188.976 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 9.297 | 6.958 | 0.956 | 14.731 | - | 14.731 | 27.773 | 38.933 | 36.323 | 54.005 | - | 188.976 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial Spares (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Flyaway Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

This line item funds modifications to the C-5 aircraft. The four-engine C-5 carries outsized and heavy cargo (tanks, helicopters, etc.) between main operating bases. Additionally, the aircraft is capable of carrying 73 troops and 36 standard 463-L pallets. Modifications enhance operational capability while improving flight safety, reliability, and maintainability. Modifications budgeted and programmed are below. Projected allocations for reserve component requirements (modification kits and installation costs) are subject to total force mission priorities and aircraft availability. There are 77 C-5 aircraft in the Air Force fleet as of February 2014. The C-5 fleet was delivered to the Air Force from 1969 to 1989. Initial service life for the aircraft was 30,000 flight hours.

Funding for this exhibit contained in PE 0401119F.

This is an FY15 "New Start" for modification 8967, C-5 Core Mission Computer / Weather Radar (CMC/WxRdr).

| Secondary Distribution | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|------------------------|----------------------------|---------|--------------|-------------|---------------|---------|---------|---------|---------|
| AF | Quantity | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 6.958 | 0.956 | 14.731 | - | 14.731 | - | - | - |
| AFNG | Quantity | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | - | - | - | - | - | - | - | - |
| AFR | Quantity | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | - | - | - | - | - | - | - | - |

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft

P-1 Line Item Number / Title:
C00500 / C-5

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0401119F **Other Related Program Elements:** 0401119F

| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|-------------------------------|-----------------------------------|--------------|--------------|---------------|-------------|---------------|---------|---------|---------|---------|
| Total: | Quantity | - | - | - | - | - | - | - | - | - |
| Secondary Distribution | Total Obligation Authority | 6.958 | 0.956 | 14.731 | - | 14.731 | - | - | - | - |

| Exhibits Schedule | | Prior Years | | | FY 2013 | | | FY 2014 | | | FY 2015 Base | | | FY 2015 OCO | | | FY 2015 Total | | | |
|--|----------|-------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|
| Title* | Exhibits | ID CD | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 1 / COMPARTMENT FLOOR CORROSION PREVENTION | P-40a*** | | - | - | 0.000 | - | - | 0.156 | - | - | - | - | - | - | - | - | - | - | - | - |
| Item - 2 / Mission Computer and Weather Radar | P-40a*** | | - | - | - | - | - | - | - | - | - | - | - | 0.495 | - | - | - | - | - | 0.495 |
| Item - 3 / LOW COST MODIFICATIONS | P-40a*** | | - | - | 1.705 | - | - | 0.448 | - | - | 0.656 | - | - | 0.471 | - | - | - | - | - | 0.471 |
| P-3a - 8965 / C-5 Fleet Blk Upgrade 01 | P-3a | | - | - | 7.592 | - | - | 6.354 | - | - | 0.300 | - | - | 7.600 | - | - | - | - | - | 7.600 |
| P-3a - 8966 / C-5 Mission Systems Equipment-Lavatory | P-3a | | - | - | - | - | - | - | - | - | - | - | - | 6.165 | - | - | - | - | - | 6.165 |
| Total Gross/Weapon System Cost | | | - | - | 9.297 | - | - | 6.958 | - | - | 0.956 | - | - | 14.731 | - | - | - | - | - | 14.731 |

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

*For Items, Title represents the Item Number / Title [DODIC]. For the P-3a, Title represents the Modification Number / Title.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3 | P-1 Line Item Number / Title: C00500 / C-5 | Modification Number / Title: 8965 / C-5 Fleet Blk Upgrade 01 |

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total |
|---|--------------------|----------------|----------------|---------------------|---------------------|----------------------|
| Procurement Quantity <i>(Units in Each)</i> | - | - | - | - | - | - |
| Gross/Weapon System Cost <i>(\$ in Millions)</i> | 7.592 | 6.354 | 0.300 | 7.600 | - | 7.600 |
| Less PY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - |
| Net Procurement (P1) <i>(\$ in Millions)</i> | 7.592 | 6.354 | 0.300 | 7.600 | - | 7.600 |
| Plus CY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - |
| Total Obligation Authority <i>(\$ in Millions)</i> | 7.592 | 6.354 | 0.300 | 7.600 | - | 7.600 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | |
|---|---|---|---|---|---|---|
| Initial Spares <i>(\$ in Millions)</i> | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost <i>(\$ in Millions)</i> | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

The first in a suite of fuel efficiency initiatives; the C-5 Aircraft Communication Addressing and Reporting System (ACARS) Aeronautical Operational Contact (AOC) message set requires updating to the standard message set published in mobility air forces ACARS concept of employment and standardized message set, 1 March 2010. Additional message sets need to be added to the standard, top-of-climb and start descent position reports for both Avionics Modernization Program (AMP) and Reliability Enhancement and Reengining Program (RERP) aircraft. This sustainment update will complete the automation of data for fuel analyses. The fuel efficiency office will use the revised, consistent data to fulfill Air Mobility Command fuels mandate of developing, tracking, and analyzing fuel usage metric. Program costs include the funds to meet item unique identification requirements and diminishing manufacturing source (DMS) requirements.

Milestone/Development Status

None required for ACARS.

| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
|---|----------------------------|----------------|----------------|---------------------|--------------------|----------------------|
| AF | Quantity | - | - | - | - | - |
| | Total Obligation Authority | 6.354 | 0.300 | 7.600 | - | 7.600 |
| Total: Secondary Distribution | Quantity | - | - | - | - | - |
| | Total Obligation Authority | 6.354 | 0.300 | 7.600 | - | 7.600 |

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|---|---------------------------------------|---------------------------------------|--|---------------------------------------|--|---------------------------------------|
| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | Date: March 2014 | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3 | | | P-1 Line Item Number / Title: C00500 / C-5 | | Modification Number / Title: 8965 / C-5 Fleet Blk Upgrade 01 | |
| Models of Systems Affected: C-5B, C-5C, C-5M | | | Modification Type: Other | | Related RDT&E PEs: 0401119F | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
| | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> |
| RDT&E PE # | | | | | | |
| 0401119F | - / 20.270 | - / - | - / - | - / - | - / - | - / - |
| Procurement | | | | | | |
| <i>Modification Item 1 of 1: Software</i> | | | | | | |
| B Kits | | | | | | |
| Recurring | | | | | | |
| Software:EQUIPMENT Group B (Active) | 36 / 5.256 | - / - | - / - | - / - | - / - | - / - |
| Software:EQUIPMENT Group B (Reserve) | 16 / 2.336 | - / - | - / - | - / - | - / - | - / - |
| <i>Subtotal: Recurring</i> | <i>- / 7.592</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> |
| <i>Subtotal: Software</i> | <i>- / 7.592</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> |
| <i>Subtotal: Procurement, All Modification Items</i> | <i>- / 7.592</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> |
| Support (All Modification Items) | | | | | | |
| SUPPORT-EQUIP | - / 0.000 | - / - | - / - | - / - | - / - | - / - |
| PMA - Other Gov't Costs | - / 0.000 | - / - | - / - | - / - | - / - | - / - |
| GFP | - / - | - / 6.354 | - / 0.300 | - / 7.600 | - / - | - / 7.600 |
| Make New Selection | - / 0.000 | - / - | - / - | - / - | - / - | - / - |
| <i>Subtotal: Support</i> | <i>- / 0.000</i> | <i>- / 6.354</i> | <i>- / 0.300</i> | <i>- / 7.600</i> | <i>- / -</i> | <i>- / 7.600</i> |
| Installation | | | | | | |
| <i>Subtotal: Installation</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> |
| Total | | | | | | |
| Total Cost (Procurement + Support + Installation) | 7.592 | 6.354 | 0.300 | 7.600 | - | 7.600 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | Date: March 2014 |
|---|-------------------------|

| | | |
|---|--|--|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3 | P-1 Line Item Number / Title: C00500 / C-5 | Modification Number / Title: 8965 / C-5 Fleet Blk Upgrade 01 |
|---|--|--|

| | | |
|------------------------------------|---------------------------------|--|
| Models of Systems Affected: | Modification Type: Other | Related RDT&E PEs: 0401119F |
|------------------------------------|---------------------------------|--|

| | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|--|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| Secondary Distribution | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Support | | | | | | | | | |
| AF | - / 6.354 | - / 0.300 | - / 7.600 | - / - | - / 7.600 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Support</i> | - / 6.354 | - / 0.300 | - / 7.600 | - / - | - / 7.600 | - / - | - / - | - / - | - / - |
| Total | | | | | | | | | |
| Total: Secondary Distribution, All Modification Items | - / 6.354 | - / 0.300 | - / 7.600 | - / - | - / 7.600 | - / - | - / - | - / - | - / - |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3 | | P-1 Line Item Number / Title: C00500 / C-5 | |
| Modification Number / Title: 8965 / C-5 Fleet Blk Upgrade 01 | | | |
| <i>Modification Item 1 of 1:</i> Software | | | |
| Modification Item MDAP/MAIS Code: | | | |
| Manufacturer Information | | | |
| Manufacturer Name: LM Aero | | Manufacturer Location: Marietta, GA | |
| Administrative Leadtime (<i>in Months</i>): 6 | | Production Leadtime (<i>in Months</i>): 24 | |
| Dates | FY 2013 | FY 2014 | FY 2015 |
| Contract Dates | | | |
| Delivery Dates | | | |
| Installation Information | | | |
| Method of Implementation (Organic): Org/Intermediate | | Installation Quantity: 52 | |
| | | | |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3 | P-1 Line Item Number / Title: C00500 / C-5 | Modification Number / Title: 8966 / C-5 Mission Systems Equipment-Lavatory |

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO[#] | FY 2015 Total |
|---|--------------------|----------------|----------------|---------------------|--------------------------------|----------------------|
| Procurement Quantity <i>(Units in Each)</i> | - | - | - | - | - | - |
| Gross/Weapon System Cost <i>(\$ in Millions)</i> | - | - | - | 6.165 | - | 6.165 |
| Less PY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - |
| Net Procurement (P1) <i>(\$ in Millions)</i> | - | - | - | 6.165 | - | 6.165 |
| Plus CY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - |
| Total Obligation Authority <i>(\$ in Millions)</i> | - | - | - | 6.165 | - | 6.165 |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> | | | | | | |
| Initial Spares <i>(\$ in Millions)</i> | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost <i>(\$ in Millions)</i> | - | - | - | - | - | - |

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

This production program is to mitigate parts obsolescence of the existing system and to correct malfunctions currently occurring to the main landing gear system and avionics system components. The C-5 mission system equipment program replaces three lavatories and their associated systems in each aircraft with a commercial off-the-shelf (COTS) solution. This program will improve availability for the C-5 fleet. Poor design and age of the existing component parts have enabled sodium hypochlorite to leak into the aircraft structure; which in turn cause extensive structural and avionics corrosion. Corrosion of the avionics components has led to burnt wires and circuit cards in the main landing gear sequence panel, which has resulted in shorted wires to the system. Diminishing manufacturing sources (DMSs), as a result of parts obsolescence and data right issues, are preventing the procurement of replacement parts for the current system. System degradation and extra maintenance are causing increased aircraft downtime. Program office implementation of stop-gap measures to fix the major causes of leaks and implementation of preventive measures to protect the surrounding structures have not alleviated the issues and the system needs to be replaced. A COTS solution to the problem is recommended to ensure implementation of long-term, sustainable mission system equipment.

Milestone/Development Status

An engineering trade study was accomplished to determine the best commercial off-the-shelf (COTS) alternative. An ongoing proof of concept effort will ensure the COTS lavatory can be retrofitted onto the C-5. The prime contractor is Wyle and the installation location(s) will be Robins AFB and Dover AFB. 50 C-5Ms will be retrofitted in production with 2 C-5Ms updated during engineering manufacturing & development (EMD).

| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
|-------------------------------|----------------------------|----------------|----------------|---------------------|--------------------|----------------------|
| AF | Quantity | - | - | - | - | - |
| | Total Obligation Authority | - | - | 6.165 | - | 6.165 |
| AFNG | Quantity | - | - | - | - | - |
| | Total Obligation Authority | - | - | - | - | - |
| AFR | Quantity | - | - | - | - | - |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3 | P-1 Line Item Number / Title: C00500 / C-5 | Modification Number / Title: 8966 / C-5 Mission Systems Equipment-Lavatory |

| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
|-------------------------------|-----------------------------------|----------------|----------------|---------------------|--------------------|----------------------|
| | Total Obligation Authority | - | - | - | - | - |
| Total: | Quantity | - | - | - | - | - |
| Secondary Distribution | Total Obligation Authority | - | - | 6.165 | - | 6.165 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3 | P-1 Line Item Number / Title: C00500 / C-5 | Modification Number / Title: 8966 / C-5 Mission Systems Equipment-Lavatory |

| | | |
|---|---------------------------------|--|
| Models of Systems Affected: C-5B, C-5C, C-5M | Modification Type: Other | Related RDT&E PEs: 0401119F |
|---|---------------------------------|--|

| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
|--|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Procurement | | | | | | |
| <i>Modification Item 1 of 1:</i> Lavatory Kit | | | | | | |
| A Kits | | | | | | |
| Recurring | | | | | | |
| Lavatory Kit:INSTALL KITS Group A (Active) | - / - | - / - | - / - | - / - | - / - | - / - |
| Lavatory Kit:INSTALL KITS Group A (Guard) | - / - | - / - | - / - | - / - | - / - | - / - |
| Lavatory Kit:INSTALL KITS Group A (Reserve) | - / - | - / - | - / - | - / - | - / - | - / - |
| <i>Subtotal: Recurring</i> | - / - | - / - | - / - | - / - | - / - | - / - |
| B Kits | | | | | | |
| Recurring | | | | | | |
| Lavatory Kit:EQUIPMENT Group B (Active) | - / - | - / - | - / - | 7 / 1.764 | - / - | 7 / 1.764 |
| <i>Subtotal: Recurring</i> | - / - | - / - | - / - | - / 1.764 | - / - | - / 1.764 |
| <i>Subtotal: Lavatory Kit</i> | - / - | - / - | - / - | - / 1.764 | - / - | - / 1.764 |
| <i>Subtotal: Procurement, All Modification Items</i> | - / - | - / - | - / - | - / 1.764 | - / - | - / 1.764 |
| Support (All Modification Items) | | | | | | |
| GROUP A: TOTAL NONRECURRING | - / - | - / - | - / - | - / - | - / - | - / - |
| <i>Subtotal: Support</i> | - / - | - / - | - / - | - / - | - / - | - / - |
| Installation | | | | | | |
| <i>Modification Item 1 of 1:</i> Lavatory Kit | - / - | - / - | - / - | 7 / 4.401 | - / - | 7 / 4.401 |
| <i>Subtotal: Installation</i> | - / - | - / - | - / - | 7 / 4.401 | - / - | 7 / 4.401 |
| Total | | | | | | |
| Total Cost (Procurement + Support + Installation) | - | - | - | 6.165 | - | 6.165 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3 | P-1 Line Item Number / Title: C00500 / C-5 | Modification Number / Title: 8966 / C-5 Mission Systems Equipment-Lavatory |

| | | |
|------------------------------------|---------------------------------|--|
| Models of Systems Affected: | Modification Type: Other | Related RDT&E PEs: 0401119F |
|------------------------------------|---------------------------------|--|

| Secondary Distribution | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|--|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Procurement | | | | | | | | | |
| <i>Modification Item 1 of 1: Lavatory Kit</i> | | | | | | | | | |
| AF | - / - | - / - | - / 1.764 | - / - | - / 1.764 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Lavatory Kit Secondary Distribution</i> | - / - | - / - | - / 1.764 | - / - | - / 1.764 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Procurement, All Modification Items</i> | - / - | - / - | - / 1.764 | - / - | - / 1.764 | - / - | - / - | - / - | - / - |
| Support | | | | | | | | | |
| AF | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| <i>Subtotal: Support</i> | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| Installation | | | | | | | | | |
| <i>Modification Item 1 of 1: Lavatory Kit</i> | | | | | | | | | |
| Depot | | | | | | | | | |
| AF | - / - | - / - | 7 / 4.401 | - / - | 7 / 4.401 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Depot</i> | - / - | - / - | 7 / 4.401 | - / - | 7 / 4.401 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Lavatory Kit</i> | - / - | - / - | 7 / 4.401 | - / - | 7 / 4.401 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Installation</i> | - / - | - / - | 7 / 4.401 | - / - | 7 / 4.401 | - / - | - / - | - / - | - / - |
| Total | | | | | | | | | |
| Total: Secondary Distribution, All Modification Items | - / - | - / - | - / 6.165 | - / - | - / 6.165 | - / - | - / - | - / - | - / - |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3 | P-1 Line Item Number / Title: C00500 / C-5 | Modification Number / Title: 8966 / C-5 Mission Systems Equipment-Lavatory |

Modification Item 1 of 1: Lavatory Kit
Modification Item MDAP/MAIS Code:

Manufacturer Information

| | | | |
|--|----------------|------------------------------------|----------------|
| Manufacturer Name: Monogram Inc | | Manufacturer Location: WRALC/Unit | |
| Administrative Leadtime (in Months): 1 | | Production Leadtime (in Months): 2 | |
| Dates | FY 2013 | FY 2014 | FY 2015 |
| Contract Dates | | | Dec 2014 |
| Delivery Dates | | | Feb 2015 |

Installation Information

Method of Implementation: Depot

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
|-----------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2013 | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2015 | - / - | - / - | - / - | 7 / 4.401 | - / - | 7 / 4.401 |
| Secondary Distribution - AF | - / - | - / - | - / - | 7 / 4.401 | - / - | 7 / 4.401 |
| Total | - / - | - / - | - / - | 7 / 4.401 | - / - | 7 / 4.401 |
| Secondary Distribution - AF | - / - | - / - | - / - | 7 / 4.401 | - / - | 7 / 4.401 |

Installation Schedule

| PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | | |
|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---|
| | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | |
| In | 0 | - | - | - | - | - | - | - | - | - | - | 3 | 4 |
| Out | 0 | - | - | - | - | - | - | - | - | - | - | 3 | 4 |

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft /
BSA 3: Airlift Aircraft **P-1 Line Item Number / Title:**
C005M0 / C-5M

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0401119F **Other Related Program Elements:** 0401119F

Line Item MDAP/MAIS Code: 327 **Item MDAP/MAIS Code(s):**

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO [#] | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|---|------------------|------------------|----------------|----------------|--------------------------|----------------|---------|---------|---------|---------|-------------|------------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 1,469.426 | 948.932 | 1,095.517 | 331.466 | - | 331.466 | - | - | - | - | - | 3,845.341 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | 96.200 | 175.800 | - | - | - | - | - | - | - | - | 272.000 |
| Net Procurement (P1) (<i>\$ in Millions</i>) | 1,469.426 | 852.732 | 919.717 | 331.466 | - | 331.466 | - | - | - | - | - | 3,573.341 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | 112.200 | 175.800 | - | - | - | - | - | - | - | - | - | 288.000 |
| Total Obligation Authority (<i>\$ in Millions</i>) | 1,581.626 | 1,028.532 | 919.717 | 331.466 | - | 331.466 | - | - | - | - | - | 3,861.341 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial Spares (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Flyaway Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

This line item funds RERP modifications for the C-5 aircraft. The four-engine C-5 carries outsized and heavy cargo (tanks, helicopters, etc.) between main operating bases. Additionally, the aircraft is capable of carrying 73 troops and 36 standard 463-L pallets.

There are 77 C-5 aircraft in the Air Force fleet as of February 2014. The C-5 fleet was delivered to the Air Force from 1969 to 1989. Initial service life for the aircraft was 30,000 flight hours.

The Air Force plans to retire 59 C-5A aircraft, which will leave a total of 52 C-5B/C/M aircraft. The schedule for 59 C-5A retirements are as follows:

CY 2011: 9 CY 2014: 12
CY 2012: 18 CY 2015: 8
CY 2013: 6 CY 2016: 6

The C-5 Reliability Enhancement and Re-engining Program (RERP) modification is a comprehensive modernization effort to improve aircraft reliability, maintainability and availability. This effort centers around replacing the current TF39 engine with a more reliable, commercial off-the-shelf CF6 turbofan engine.

Funding for this exhibit is contained in PE 0401119F.

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft

P-1 Line Item Number / Title:
C005M0 / C-5M

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0401119F **Other Related Program Elements:** 0401119F

Line Item MDAP/MAIS Code: 327 **Item MDAP/MAIS Code(s):**

| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|-------------------------------|-----------------------------------|----------------|------------------|----------------|-------------|----------------|---------|---------|---------|---------|
| AF | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 675.472 | 251.552 | 77.236 | - | 77.236 | - | - | - | - |
| AFR | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 273.460 | 843.965 | 254.230 | - | 254.230 | - | - | - | - |
| Total: | Quantity | - | - | - | - | - | - | - | - | - |
| Secondary Distribution | Total Obligation Authority | 948.932 | 1,095.517 | 331.466 | - | 331.466 | - | - | - | - |

| Exhibits Schedule | | Prior Years | | | FY 2013 | | | FY 2014 | | | FY 2015 Base | | | FY 2015 OCO | | | FY 2015 Total | | | |
|---|----------|-------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|
| Title* | Exhibits | ID CD | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| P-3a - 6154 / C-5 Reliability Enhancement and Re-Engining Program | P-3a | | - | - | 1,469.426 | - | - | 948.932 | - | - | 1,095.517 | - | - | 331.466 | - | - | - | - | - | 331.466 |
| Total Gross/Weapon System Cost | | | - | - | 1,469.426 | - | - | 948.932 | - | - | 1,095.517 | - | - | 331.466 | - | - | - | - | - | 331.466 |

| Exhibits Schedule | | FY 2016 | | | FY 2017 | | | FY 2018 | | | FY 2019 | | | To Complete | | | Total | | | |
|---|----------|---------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|
| Title* | Exhibits | ID CD | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| P-3a - 6154 / C-5 Reliability Enhancement and Re-Engining Program | P-3a | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3,845.341 |
| Total Gross/Weapon System Cost | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3,845.341 |

*For the P-3a, Title represents the Modification Number / Title.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:

Where applicable, justification for individual modifications is provided in the P-3A exhibits.

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3 | P-1 Line Item Number / Title: C005M0 / C-5M | Modification Number / Title: 6154 / C-5 Reliability Enhancement and Re-Engining Program |

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|---|--------------------|------------------|----------------|---------------------|---------------------|----------------------|----------------|----------------|----------------|----------------|--------------------|------------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 1,469.426 | 948.932 | 1,095.517 | 331.466 | - | 331.466 | - | - | - | - | - | 3,845.341 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | 96.200 | 175.800 | - | - | - | - | - | - | - | - | 272.000 |
| Net Procurement (P1) (<i>\$ in Millions</i>) | 1,469.426 | 852.732 | 919.717 | 331.466 | - | 331.466 | - | - | - | - | - | 3,573.341 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | 112.200 | 175.800 | - | - | - | - | - | - | - | - | - | 288.000 |
| Total Obligation Authority (<i>\$ in Millions</i>) | 1,581.626 | 1,028.532 | 919.717 | 331.466 | - | 331.466 | - | - | - | - | - | 3,861.341 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|---|---------|---------|---------|---|---|---|---|---|---|---|---|---------|
| Initial Spares (<i>\$ in Millions</i>) | 116.175 | 117.097 | 131.933 | - | - | - | - | - | - | - | - | 365.205 |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

C-5 Reliability Enhancement and Re-engining Program (RERP) is a comprehensive modernization effort to improve aircraft reliability, maintainability and availability. This effort centers around replacing the current TF39 engines with more reliable, commercial off-the-shelf CF6 turbofan engines. The RERP modification increases payload capability and access to communication, navigation, surveillance/air traffic management (CNS/ATM) airspace through core mission computer (CMC), radar, and other Air Force (AF) requirements like mode 5 identification, friend or foe (IFF), aircraft communication addressing and reporting system (ACARS), replacement of the malfunction analysis detection and recording system (MADARS) with embedded diagnostic systems (EDS), etc. The modification also decreases aircraft time-to-climb, increases engine-out climb gradient for takeoff, improves transportation system throughput and decreases engine removals. On 7 Oct 10, the USD(AT&L) Acquisition Board directed the Air Force to fully fund RERP to the OSD cost assessment and program evaluation independent cost estimate for RDT&E; and re-designated C-5 RERP as an acquisition category IC program. "Interim contractor support (ICS)" and "Equipment" costs include sustainment tasks for RERP peculiar systems, subsystems and/or components of the C-5M, to include the following: diminishing manufacturing source (DMS) costs for the identification, review, and monitoring of items with high DMS risk potential, classification of identified items according to criticality and expected obsolescence date, identification of alternatives for items having high DMS risks and non-recurring engineering (NRE)/replacement costs for DMS components. Additionally, "ICS" and "Equipment" includes NRE/replacement costs for equipment updates designed to increase availability and maintainability of components as identified during the fiscal year. Equipment DMS issues will be resolved to support continued operations through bridge buys, life-of-type buys, development, and redesign efforts. "Change Orders" also include funding for over-and-above repairs of legacy aircraft components required to complete the C-5 RERP modification and Economic Price Adjustments for CF6 engines. "Sim/Trainer" includes funding for the modification and enhancement of aircrew and maintenance training devices. "Other Govt" includes funding for production line shutdown/disposition. Initial spares funding in FY12-14 was moved to initial spares in BA-06. This program has associated RDT&E funding in PE 0401119F. In FY11, C-5 RERP was established as a separate P-1. For purposes of documentation, 4 aircraft kits are identified in the aircraft breakdown section as being procured and installed prior to FY11. This P3A only reflects that 45 aircraft kits were procured and installed in FY11 until completion in FY15. Three aircraft were modified with RDT&E during system development and demonstration. The total production program aircraft installation breakdown is: Active 33, Reserve 16, Guard 0, Total 49. Allocations are subject to Total Force priorities and demand. Air Mobility Command (AMC) declared modification initial operational capability (IOC) on 21 Feb 2014. C-5 RERP installation has fallen behind schedule due to manufacturing and legacy maintenance issues. The schedule in the P3a is based on the current estimated working schedule. The schedule is subject to change once the FY14 contract gets awarded. Program office is in ongoing negotiations on the FY14 contract for material/fabrication and installation, with projected completion of no later than May 14.

Milestone/Development Status

The three production representative C-5Ms developed in system development demonstration completed qualification operational test and evaluation (QOT&E) on 11 Jan 2010. Development efforts in FY12/FY13 focused on correction of deficiencies from OT&E. Additionally, a portion of avionics capability not complete at the end of AMP has been incorporated into the RERP baseline.

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3 | P-1 Line Item Number / Title: C005M0 / C-5M | Modification Number / Title: 6154 / C-5 Reliability Enhancement and Re-Engining Program |

| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|--|-----------------------------------|----------------|------------------|----------------|-------------|----------------|---------|---------|---------|---------|
| AF | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 675.472 | 251.552 | 77.236 | - | 77.236 | - | - | - | - |
| AFR | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 273.460 | 843.965 | 254.230 | - | 254.230 | - | - | - | - |
| Total: Secondary Distribution | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 948.932 | 1,095.517 | 331.466 | - | 331.466 | - | - | - | - |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | | | | Date: March 2014 | | | |
|---|--------------------------------|--------------------------------|--------------------------------|--|---|--------------------------------|--------------------------------|--|--------------------------------|---|--------------------------------|--------------------------------|--|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3 | | | | | P-1 Line Item Number / Title: C005M0 / C-5M | | | | | Modification Number / Title: 6154 / C-5 Reliability Enhancement and Re-Engining Program | | | |
| Models of Systems Affected: C-5B/C | | | | Modification Type: Capability Improvement | | | | Related RDT&E PEs: 0401119F | | | | | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total | |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | |
| RDT&E PE # | | | | | | | | | | | | | |
| 0401119F | - / 66.447 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 66.447 | |
| Procurement | | | | | | | | | | | | | |
| <i>Modification Item 1 of 1: RERP Mod</i> | | | | | | | | | | | | | |
| B Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| RERP Mod:EQUIPMENT Group B (Active) | 23 / 980.536 | 6 / 328.153 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 29 / 1,308.689 | |
| RERP Mod:EQUIPMENT Group B (Reserve) | - / - | 5 / 273.460 | 11 / 719.289 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 16 / 992.749 | |
| <i>Subtotal: Recurring</i> | - / 980.536 | - / 601.613 | - / 719.289 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 2,301.438 | |
| <i>Subtotal: RERP Mod</i> | - / 980.536 | - / 601.613 | - / 719.289 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 2,301.438 | |
| <i>Subtotal: Procurement, All Modification Items</i> | - / 980.536 | - / 601.613 | - / 719.289 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 2,301.438 | |
| Support (All Modification Items) | | | | | | | | | | | | | |
| GROUP A: TOTAL NONRECURRING | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | |
| GROUP B: TOTAL NONRECURRING | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | |
| Change Orders | - / 68.468 | - / 105.742 | - / 63.991 | - / 45.343 | - / - | - / 45.343 | - / - | - / - | - / - | - / - | - / - | - / 283.544 | |
| SIM/TRAINER | 4 / 41.361 | 1 / 2.340 | 1 / 5.000 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 6 / 48.701 | |
| SUPPORT-EQUIP | - / 16.653 | - / 2.387 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 19.040 | |
| A&AS | - / 4.806 | - / 2.508 | - / 2.740 | - / 2.850 | - / - | - / 2.850 | - / - | - / - | - / - | - / - | - / - | - / 12.904 | |
| GFP | - / 31.935 | - / - | - / 15.400 | - / 4.114 | - / - | - / 4.114 | - / - | - / - | - / - | - / - | - / - | - / 51.449 | |
| ICS-Labor | - / 53.303 | - / 6.991 | - / 7.280 | - / 7.280 | - / - | - / 7.280 | - / - | - / - | - / - | - / - | - / - | - / 74.854 | |
| ICS-Material | - / 27.232 | - / 3.572 | - / 3.720 | - / 3.720 | - / - | - / 3.720 | - / - | - / - | - / - | - / - | - / - | - / 38.244 | |
| PMA - Contractor Services | - / 2.097 | - / 0.461 | - / 0.802 | - / 0.822 | - / - | - / 0.822 | - / - | - / - | - / - | - / - | - / - | - / 4.182 | |
| PMA - Other Gov't Costs | - / 1.960 | - / 0.745 | - / 2.904 | - / 3.107 | - / - | - / 3.107 | - / - | - / - | - / - | - / - | - / - | - / 8.716 | |
| OTHER GOVT | - / 1.208 | - / 0.061 | - / 0.103 | - / 10.000 | - / - | - / 10.000 | - / - | - / - | - / - | - / - | - / - | - / 11.372 | |
| <i>Subtotal: Support</i> | 4 / 249.023 | 1 / 124.807 | 1 / 101.940 | - / 77.236 | - / - | - / 77.236 | - / - | - / - | - / - | - / - | - / - | 6 / 553.006 | |
| Installation | | | | | | | | | | | | | |
| <i>Modification Item 1 of 1: RERP Mod</i> | 12 / 239.867 | 11 / 222.512 | 11 / 274.288 | 11 / 254.230 | - / - | 11 / 254.230 | - / - | - / - | - / - | - / - | - / - | 45 / 990.897 | |
| <i>Subtotal: Installation</i> | 12 / 239.867 | 11 / 222.512 | 11 / 274.288 | 11 / 254.230 | - / - | 11 / 254.230 | - / - | - / - | - / - | - / - | - / - | 45 / 990.897 | |
| Total | | | | | | | | | | | | | |
| Total Cost (Procurement + Support + Installation) | 1,469.426 | 948.932 | 1,095.517 | 331.466 | - | 331.466 | - | - | - | - | - | 3,845.341 | |

UNCLASSIFIED

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3 | P-1 Line Item Number / Title: C005M0 / C-5M | Modification Number / Title: 6154 / C-5 Reliability Enhancement and Re-Engining Program |

| | | |
|------------------------------------|--|--|
| Models of Systems Affected: | Modification Type: Capability Improvement | Related RDT&E PEs: 0401119F |
|------------------------------------|--|--|

| Secondary Distribution | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|--|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Procurement | | | | | | | | | |
| Modification Item 1 of 1: RERP Mod | | | | | | | | | |
| AF | - / 328.153 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| AFR | - / 273.460 | - / 719.289 | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| <i>Subtotal: RERP Mod Secondary Distribution</i> | <i>- / 601.613</i> | <i>- / 719.289</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> |
| <i>Subtotal: Procurement, All Modification Items</i> | <i>- / 601.613</i> | <i>- / 719.289</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> |
| Support | | | | | | | | | |
| AF | 1 / 124.807 | 1 / 101.940 | - / 77.236 | - / - | - / 77.236 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Support</i> | <i>1 / 124.807</i> | <i>1 / 101.940</i> | <i>- / 77.236</i> | <i>- / -</i> | <i>- / 77.236</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> |
| Installation | | | | | | | | | |
| Modification Item 1 of 1: RERP Mod | | | | | | | | | |
| Contractor Facility | | | | | | | | | |
| AF | 11 / 222.512 | 6 / 149.612 | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| AFR | - / - | 5 / 124.676 | 11 / 254.230 | - / - | 11 / 254.230 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Contractor Facility</i> | <i>11 / 222.512</i> | <i>11 / 274.288</i> | <i>11 / 254.230</i> | <i>- / -</i> | <i>11 / 254.230</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> |
| <i>Subtotal: RERP Mod</i> | <i>11 / 222.512</i> | <i>11 / 274.288</i> | <i>11 / 254.230</i> | <i>- / -</i> | <i>11 / 254.230</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> |
| <i>Subtotal: Installation</i> | <i>11 / 222.512</i> | <i>11 / 274.288</i> | <i>11 / 254.230</i> | <i>- / -</i> | <i>11 / 254.230</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> |
| Total | | | | | | | | | |
| Total: Secondary Distribution, All Modification Items | - / 948.932 | - / 1,095.517 | - / 331.466 | - / - | - / 331.466 | - / - | - / - | - / - | - / - |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3 | P-1 Line Item Number / Title: C005M0 / C-5M | Modification Number / Title: 6154 / C-5 Reliability Enhancement and Re-Engining Program |

Modification Item 1 of 1: RERP Mod

Modification Item MDAP/MAIS Code:

Manufacturer Information

| | |
|--|--|
| Manufacturer Name: Lockheed Martin | Manufacturer Location: Marietta, Georgia |
| Administrative Leadtime (in Months): 8 | Production Leadtime (in Months): 12 |

| Dates | FY 2013 | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|----------------|----------|----------|---------|---------|---------|---------|---------|
| Contract Dates | Oct 2012 | May 2014 | | | | | |
| Delivery Dates | Oct 2013 | May 2015 | | | | | |

Installation Information

Method of Implementation: Contractor Facility

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | 12 / 239.867 | 11 / 222.512 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 23 / 462.379 |
| Secondary Distribution - AF | - / - | 11 / 222.512 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2013 | - / - | - / - | 11 / 274.288 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 11 / 274.288 |
| Secondary Distribution - AF | - / - | - / - | 6 / 149.612 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| Secondary Distribution - AFR | - / - | - / - | 5 / 124.676 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | - / - | 11 / 254.230 | - / - | 11 / 254.230 | - / - | - / - | - / - | - / - | - / - | 11 / 254.230 |
| Secondary Distribution - AFR | - / - | - / - | - / - | 11 / 254.230 | - / - | 11 / 254.230 | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2016 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2017 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2018 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2019 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| To Complete | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | 12 / 239.867 | 11 / 222.512 | 11 / 274.288 | 11 / 254.230 | - / - | 11 / 254.230 | - / - | - / - | - / - | - / - | - / - | 45 / 990.897 |
| Secondary Distribution - AF | - / - | 11 / 222.512 | 6 / 149.612 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| Secondary Distribution - AFR | - / - | - / - | 5 / 124.676 | 11 / 254.230 | - / - | 11 / 254.230 | - / - | - / - | - / - | - / - | - / - | - / - |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3 | P-1 Line Item Number / Title: C005M0 / C-5M | Modification Number / Title: 6154 / C-5 Reliability Enhancement and Re-Engining Program |

Modification Item 1 of 1: RERP Mod

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Contractor Facility

Installation Schedule

| | PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | | FY 2016 | | | | FY 2017 | | | | FY 2018 | | | | FY 2019 | | | | TC | Tot | |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|----|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | | |
| In | 10 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 45 |
| Out | 1 | 2 | - | 1 | 1 | 4 | 2 | 1 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 1 | - | - | - | - | - | - | - | 45 |

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Exhibit P-40, Advance Procurement Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

| | |
|--|---|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft | P-1 Line Item Number / Title: C005M0 / C-5M |
|--|---|

| | | |
|--|---|--|
| ID Code (A=Service Ready, B=Not Service Ready) : | Program Elements for Code B Items: 0401119F | Other Related Program Elements: 0401119F |
|--|---|--|

| | |
|-------------------------------|-------------------------|
| Line Item MDAP/MAIS Code: 327 | Item MDAP/MAIS Code(s): |
|-------------------------------|-------------------------|

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|---|----------------|----------------|---------|--------------|--------------|---------------|---------|---------|---------|---------|-------------|----------------|
| Gross/Weapon System Cost <i>(\$ in Millions)</i> | 112.200 | 175.800 | - | - | - | - | - | - | - | - | - | 288.000 |
| Net Procurement (P1) <i>(\$ in Millions)</i> | 112.200 | 175.800 | - | - | - | - | - | - | - | - | - | 288.000 |
| Total Obligation Authority <i>(\$ in Millions)</i> | 112.200 | 175.800 | - | - | - | - | - | - | - | - | - | 288.000 |

Description:

Advance procurement (AP) funds support the procurement of long-lead components in support of reliability enhancement and re-engining program (RERP) modification #6154. See the P3A for that modification to obtain a full description/justification of the requirement. Equipment diminishing manufacturing source issues for the long-lead components will be resolved by use of these funds to support continued operations through bridge buys, life-of-type buys, development, and redesign efforts. Projected allocations by component are subject to total force mission priorities and aircraft availability. The requirement for the total production program aircraft breakdown is: Active 33, Reserve 16, Guard 0, Total 49.

FY13 AP requirements supported funding to procure long-lead components for 11 modification kits (LOT 7).

This document presents FY12 - FY13 C-5 RERP AP funding data in P-1 Line #40. FY07 - FY11 C-5 AP funding data are located in P-1 Line #42.

Funding for this exhibit is contained in PE 0401119F.

| Exhibits Schedule | | Prior Years | | | FY 2013 | | | FY 2014 | | | FY 2015 Base | | | FY 2015 OCO | | | FY 2015 Total | | | |
|---|----------|-------------|------------------|----------------|-------------------|------------------|----------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|
| Title* | Exhibits | ID CD | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| P-3a - 6154 / C-5 Reliability Enhancement and Re-Engining Program | P-10 | | | | 112.200 | | | 175.800 | | | - | | | - | | | - | | | - |
| Total Gross/Weapon System Cost | | | | 112.200 | | | 175.800 | | | - | | | - | | | | - | | | - |

| Exhibits Schedule | | FY 2016 | | | FY 2017 | | | FY 2018 | | | FY 2019 | | | To Complete | | | Total | | | |
|---|----------|---------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|
| Title* | Exhibits | ID CD | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| P-3a - 6154 / C-5 Reliability Enhancement and Re-Engining Program | P-10 | | | | - | | | - | | | - | | | - | | | - | | | 288.000 |
| Total Gross/Weapon System Cost | | | | - | | | - | | | - | | | - | | | | - | | | 288.000 |

*For Items, Title represents the Item Number / Title [DODIC].

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| Exhibit P-40, Advance Procurement Budget Line Item Justification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft | | P-1 Line Item Number / Title: C005M0 / C-5M |
| ID Code (A=Service Ready, B=Not Service Ready) : | Program Elements for Code B Items: 0401119F | Other Related Program Elements: 0401119F |
| Line Item MDAP/MAIS Code: 327 | Item MDAP/MAIS Code(s): | |
| Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding. | | |

Justification:
No FY15 funding requested.

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| Exhibit P-10, Advance Procurement Requirements Analysis (page 1 - Budget Funding Justification): PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3 | P-1 Line Item Number / Title: C005M0 / C-5M | P-3a Number / Title / Item Title: 6154 / C-5 Reliability Enhancement and Re-Engining Program / RERP Mod |

| | | |
|---|---|--|
| ID Code (A=Service Ready, B=Not Service Ready) : | | |
| First System (2015) Award Date: October 2011 | First System (2015) Completion Date: October 2012 | Interval Between Systems: 0 Months |

| RERP Mod | Production Leadtime <i>(Months)</i> | Prior Years <i>(Each)</i> | FY 2013 <i>(Each)</i> | FY 2014 <i>(Each)</i> | FY 2015 <i>(Each)</i> | FY 2016 <i>(Each)</i> | FY 2017 <i>(Each)</i> | FY 2018 <i>(Each)</i> | FY 2019 <i>(Each)</i> | To Complete <i>(Each)</i> | Total <i>(Each)</i> |
|-----------------|---|-------------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|-------------------------------------|-------------------------------|
| Quantity | | - | - | - | - | - | - | - | - | - | - |

| Cost Element | When Rqd <i>(Months)</i> | Prior Years <i>(\$ M)</i> | FY 2013 <i>(\$ M)</i> | FY 2014 <i>(\$ M)</i> | FY 2015 <i>(\$ M)</i> | FY 2016 <i>(\$ M)</i> | FY 2017 <i>(\$ M)</i> | FY 2018 <i>(\$ M)</i> | FY 2019 <i>(\$ M)</i> | To Complete <i>(\$ M)</i> | Total <i>(\$ M)</i> |
|---|------------------------------------|-------------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|-------------------------------------|-------------------------------|
| CFE | | | | | | | | | | | |
| Equipment | 0 | 112.200 | 175.800 | - | - | - | - | - | - | - | 288.000 |
| <i>Total: CFE</i> | | <i>112.200</i> | <i>175.800</i> | <i>-</i> | <i>-</i> | <i>-</i> | <i>-</i> | <i>-</i> | <i>-</i> | <i>-</i> | <i>288.000</i> |
| Total Advance Procurement/Obligation Authority | | 112.200 | 175.800 | - | - | - | - | - | - | - | 288.000 |

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| Exhibit P-10, Advance Procurement Requirements Analysis (page 2 - Budget Funding Justification): PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3 | P-1 Line Item Number / Title: C005M0 / C-5M | P-3a Number / Title / Item Title: 6154 / C-5 Reliability Enhancement and Re-Engining Program / RERP Mod |

ID Code (A=Service Ready, B=Not Service Ready) :

| Cost Elements | QPA <i>(Each)</i> | FY 2015 | | | | | Total Cost Request <i>(\$ M)</i> |
|---|----------------------|--|----------------------------|------------------------|---------------------------|--------|-------------------------------------|
| | | Production Leadtime <i>(Months)</i> | Unit Cost <i>(\$ M)</i> | Contract Forecast Date | 2015 Qty <i>(Each)</i> | For FY | |
| CFE | | | | | | | |
| Equipment | - | | | | | | - |
| <i>Total: CFE</i> | | | | | | | - |
| Total Advance Procurement/Obligation Authority | | | | | | | - |

Description:
 Advance procurement (AP) funds support the procurement of long-lead components in support of reliability enhancement and re-engining program (RERP) modification #6154. See the P3A for that modification to obtain a full description/justification of the requirement. Equipment diminishing manufacturing source issues for the long-lead components will be resolved by use of these funds to support continued operations through bridge buys, life-of-type buys, development, and redesign efforts. Projected allocations by component are subject to total force mission priorities and aircraft availability. The requirement for the total program aircraft breakdown is: Active 33, Reserve 16, Guard 0, Total 49.

FY13 AP requirements supported funding to procure long-lead components for 11 modification kits (LOT 7).

No FY14 funding requested.

This document presents FY12 - FY13 C-5 RERP AP funding data in P-1 Line #40. FY07 - FY11 C-5 AP funding data are located in P-1 Line #42.

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft /
BSA 3: Airlift Aircraft **P-1 Line Item Number / Title:**
C01700 / C-17A

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0401130F **Other Related Program Elements:** 0401130F, 0401134F, 0401897F

Line Item MDAP/MAIS Code: 200 **Item MDAP/MAIS Code(s):**

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO [#] | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|---|----------------|----------------|---------------|----------------|--------------------------|----------------|---------------|----------------|----------------|---------------|----------------|------------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 946.496 | 195.608 | 98.197 | 127.494 | - | 127.494 | 94.947 | 123.341 | 118.569 | 85.155 | 360.446 | 2,150.253 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (<i>\$ in Millions</i>) | 946.496 | 195.608 | 98.197 | 127.494 | - | 127.494 | 94.947 | 123.341 | 118.569 | 85.155 | 360.446 | 2,150.253 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 946.496 | 195.608 | 98.197 | 127.494 | - | 127.494 | 94.947 | 123.341 | 118.569 | 85.155 | 360.446 | 2,150.253 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial Spares (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Flyaway Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

This line item funds modifications to the C-17 aircraft. The four engine C-17 is the only aircraft capable of routine delivery of outsize cargo (tanks, helicopters, etc.) to short, austere airfields. The aircraft can carry up to 102 troops, 36 litter patients, or 18 standard 463-L pallets. The Air Force C-17 inventory is 222 aircraft with a designated service life of 30 years. The average service life remaining is currently 19.7 years.

In accordance with Section 1815 of the FY2008 National Defense Authorization Act (P.L. 110-181), these items are necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses and providing military support to civil authorities.

Funding for this exhibit is contained in PE 0401130F.

Major C-17 modifications in FY15 include Pylon Stub Flammable Fluid Leakage Zone (FFLZ) Fixed Fairing (FF) Translating Fairing, Block 13-17 Retrofit, Identification Friend or Foe Global Air Traffic Management (IFF GATM) Mode 5, On Board Inert Gas Generating System (OBIGGS) II and Next Generation Communication Navigation Surveillance/Air Traffic Management (CNS/ATM).

| Secondary Distribution | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|----------------------------|---------|---------|--------------|-------------|---------------|---------|---------|---------|---------|
| AF | | | | | | | | | |
| Quantity | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority | 157.617 | 83.528 | 81.626 | - | 81.626 | 94.740 | 119.936 | 105.887 | 71.951 |
| AFNG | | | | | | | | | |
| Quantity | - | - | - | - | - | - | - | - | - |

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date: March 2014**

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft

P-1 Line Item Number / Title:
C01700 / C-17A

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0401130F **Other Related Program Elements:** 0401130F, 0401134F, 0401897F

Line Item MDAP/MAIS Code: 200 **Item MDAP/MAIS Code(s):**

| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|--------------------------------------|-----------------------------------|----------------|---------------|----------------|-------------|----------------|---------------|----------------|----------------|---------------|
| AFR | Total Obligation Authority | 14.764 | 10.435 | 23.716 | - | 23.716 | - | 2.767 | 12.212 | 4.790 |
| | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 23.227 | 4.234 | 22.152 | - | 22.152 | 0.207 | 0.638 | 0.470 | 8.414 |
| Total: Secondary Distribution | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 195.608 | 98.197 | 127.494 | - | 127.494 | 94.947 | 123.341 | 118.569 | 85.155 |

| Exhibits Schedule | | Prior Years | | | FY 2013 | | | FY 2014 | | | FY 2015 Base | | | FY 2015 OCO | | | FY 2015 Total | | | |
|--|----------|-------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|
| Title* | Exhibits | ID CD | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 1 / ELT Frequency Change | P-40a*** | | - | - | 2.366 | - | - | 0.696 | - | - | - | - | - | - | - | - | - | - | - | - |
| Item - 2 / MFOQA | P-40a*** | | - | - | 3.095 | - | - | 4.859 | - | - | 1.072 | - | - | 4.220 | - | - | - | - | - | 4.220 |
| Item - 3 / Replacement Heads Up Display (RHU) | P-40a*** | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Item - 4 / C-17 Sim Threat Generator | P-40a*** | | - | - | 0.095 | - | - | 11.697 | - | - | - | - | - | - | - | - | - | - | - | - |
| Item - 5 / Extended Range Retrofit/OBIGGS II | P-40a*** | | - | - | 171.460 | - | - | 6.672 | - | - | 20.854 | - | - | - | - | - | - | - | - | - |
| Item - 6 / LOW COST MODIFICATIONS | P-40a*** | | - | - | 3.097 | - | - | 0.097 | - | - | 2.000 | - | - | 0.100 | - | - | - | - | - | 0.100 |
| P-3a - 2000 / Pylon Stub FFLZ, FF, Translating Fairing | P-3a | | - | - | 29.095 | - | - | 15.309 | - | - | 16.942 | - | - | 15.560 | - | - | - | - | - | 15.560 |
| P-3a - 8962 / Block 13 to 17 Retrofit | P-3a | | - | - | 654.225 | - | - | 143.191 | - | - | 23.003 | - | - | 57.585 | - | - | - | - | - | 57.585 |
| P-3a - 1508 / IFF GATM Mode 5 | P-3a | | - | - | 5.703 | - | - | 7.620 | - | - | 19.283 | - | - | 22.621 | - | - | - | - | - | 22.621 |
| P-3a - 2901 / NEXT GEN CNS/ATM | P-3a | | - | - | - | - | - | - | - | - | - | - | - | 7.575 | - | - | - | - | - | 7.575 |
| P-3a - 6402 / OBIGGS II | P-3a | | - | - | 75.813 | - | - | - | - | - | 11.219 | - | - | 13.170 | - | - | - | - | - | 13.170 |
| P-3a - 9739 / ILS Identification and Flight Control Computer Updates | P-3a | | - | - | 1.547 | - | - | 5.467 | - | - | 3.824 | - | - | 6.663 | - | - | - | - | - | 6.663 |
| Total Gross/Weapon System Cost | | | - | - | 946.496 | - | - | 195.608 | - | - | 98.197 | - | - | 127.494 | - | - | - | - | - | 127.494 |

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft

P-1 Line Item Number / Title:
C01700 / C-17A

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0401130F **Other Related Program Elements:** 0401130F, 0401134F, 0401897F

Line Item MDAP/MAIS Code: 200 **Item MDAP/MAIS Code(s):**

| Exhibits Schedule | | ID CD | FY 2016 | | | FY 2017 | | | FY 2018 | | | FY 2019 | | | To Complete | | | Total | | |
|--|----------|----------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|
| Title* | Exhibits | | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 1 / ELT Frequency Change | P-40a*** | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.062 |
| Item - 2 / MFOQA | P-40a*** | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 13.246 |
| Item - 3 / Replacement Heads Up Display (RHU) | P-40a*** | | - | - | 19.220 | - | - | 37.225 | - | - | 39.226 | - | - | 10.870 | - | - | 126.600 | - | - | 233.141 |
| Item - 4 / C-17 Sim Threat Generator | P-40a*** | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 11.792 |
| Item - 5 / Extended Range Retrofit/OBIGGS II | P-40a*** | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 198.986 |
| Item - 6 / LOW COST MODIFICATIONS | P-40a*** | | - | - | 0.100 | - | - | 0.100 | - | - | 0.100 | - | - | 0.100 | - | - | - | - | - | 5.694 |
| P-3a - 2000 / Pylon Stub FFLZ, FF, Translating Fairing | P-3a | | - | - | 6.482 | - | - | 3.898 | - | - | - | - | - | - | - | - | - | - | - | 87.286 |
| P-3a - 8962 / Block 13 to 17 Retrofit | P-3a | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 878.004 |
| P-3a - 1508 / IFF GATM Mode 5 | P-3a | | - | - | 26.828 | - | - | 33.363 | - | - | 35.032 | - | - | 23.362 | - | - | 4.220 | - | - | 178.032 |
| P-3a - 2901 / NEXT GEN CNS/ATM | P-3a | | - | - | 16.906 | - | - | 22.964 | - | - | 2.423 | - | - | - | - | - | - | - | - | 49.868 |
| P-3a - 6402 / OBIGGS II | P-3a | | - | - | 20.852 | - | - | 20.876 | - | - | 38.197 | - | - | 50.823 | - | - | 229.626 | - | - | 460.576 |
| P-3a - 9739 / ILS Identification and Flight Control Computer Updates | P-3a | | - | - | 4.559 | - | - | 4.915 | - | - | 3.591 | - | - | - | - | - | - | - | - | 30.566 |
| Total Gross/Weapon System Cost | | | - | - | 94.947 | - | - | 123.341 | - | - | 118.569 | - | - | 85.155 | - | - | 360.446 | - | - | 2,150.253 |

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

*For Items, Title represents the Item Number / Title [DODIC]. For the P-3a, Title represents the Modification Number / Title.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

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|---|--|--|--|--|--|--|--|--|--|--|--|--|
| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | Date: March 2014 | | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3 | | | | P-1 Line Item Number / Title: C01700 / C-17A | | | Modification Number / Title: 2000 / Pylon Stub FFLZ, FF, Translating Fairing | | | | | |

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|---|--------------------|----------------|----------------|---------------------|---------------------|----------------------|----------------|----------------|----------------|----------------|--------------------|---------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 29.095 | 15.309 | 16.942 | 15.560 | - | 15.560 | 6.482 | 3.898 | - | - | - | 87.286 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (<i>\$ in Millions</i>) | 29.095 | 15.309 | 16.942 | 15.560 | - | 15.560 | 6.482 | 3.898 | - | - | - | 87.286 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 29.095 | 15.309 | 16.942 | 15.560 | - | 15.560 | 6.482 | 3.898 | - | - | - | 87.286 |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> | | | | | | | | | | | | |
| Initial Spares (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

This retrofit project consists of seven separate projects done concurrently to save labor hours and to reduce cost and schedule risk. This project retrofits 130 C-17 aircraft (P1-P72 & P74-P131) for multiple actions to the pylon stub, fixed fairing, translating fairing, and wing leading edge.

The first project is correction of the Flammable Fluid Leakage Zone (FFLZ) areas of the pylon stub, fixed and translating fairings, and the wing leading edge. Drainage and ventilation improvements to these FFLZ areas must be accomplished in order to resolve safety and crisis management team issues. Development and production cut-in at P103 of the FFLZ fixes was done under NC039630 using Boeing sustainment funds. Since retrofit of the FFLZ fixes requires removal and disassembly of the fixed and translating fairings, significant synergy and a major reduction in risk is achieved by combining retrofit projects.

The second project is the retrofit of a new titanium fixed fairing (FF) designed to resolve maintenance and dropped object issues. High temperatures and acoustic loads have led to significant problems with the existing aluminum design. Development of the fixed fairing was done under Contract Change Proposal (CCP)-441 using Material Improvement Program (MIP) Implementation funds, and production cut-in at P132 was done under CCP-484 using production funds.

The third project is incorporation of the new translating fairing slider bearings. Development and production cut-in at P74 of the bearings was accomplished under CCP-357 and 359 respectively using MIP implementation funds. The two forward slider bearings were previously retrofitted; this project completes the retrofit by correcting the aft slider bearing.

The fourth project in the retrofit program is replacement of translating fairing rivets, which have also led to multiple dropped object incidents. The new rivets were cut-in at P102 under NC044304 using Boeing sustaining funds. The original concept for retrofit was to rework existing fairings. However, a trade study revealed that reworked fairings cost 86% of the cost of new fairings. Therefore, rivet replacement will be accomplished indirectly by purchasing new translating fairings instead of reworking existing fairings.

Three minor additional changes (FC057675 - Fixed Fairing Seal, MC059853 - Fairing Assembly Lower-pylon Wing, and NC060372 - Translating Wing Stub Fairing Assembly) were included to remain compatible with the current production configuration. The retrofit configuration is the current production configuration.

All 130 installs of Pylon Stub FFLZ are scheduled to be complete by FY17. Funding may be used to alleviate Diminishing Manufacturing Sources(DMS)issues. Project allocations by component are subject to total force mission priorities and aircraft availability. This modification effort is part of the C-17 Common Configuration Program on the Air Force Acquisition Master List (AML).

Milestone/Development Status

UNCLASSIFIED

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3 | P-1 Line Item Number / Title: C01700 / C-17A | Modification Number / Title: 2000 / Pylon Stub FFLZ, FF, Translating Fairing |

Development complete

| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|-------------------------------|-----------------------------------|---------------|---------------|---------------|-------------|---------------|--------------|--------------|---------|---------|
| AF | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 11.131 | 16.254 | 7.188 | - | 7.188 | 6.275 | 0.493 | - | - |
| AFNG | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 2.218 | 0.107 | 6.193 | - | 6.193 | - | 2.767 | - | - |
| AFR | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 1.960 | 0.581 | 2.179 | - | 2.179 | 0.207 | 0.638 | - | - |
| Total: | Quantity | - | - | - | - | - | - | - | - | - |
| Secondary Distribution | Total Obligation Authority | 15.309 | 16.942 | 15.560 | - | 15.560 | 6.482 | 3.898 | - | - |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3 | P-1 Line Item Number / Title: C01700 / C-17A | Modification Number / Title: 2000 / Pylon Stub FFLZ, FF, Translating Fairing |

| | | |
|---|----------------------------------|--|
| Models of Systems Affected: C-17 | Modification Type: Safety | Related RDT&E PEs: 0401130F |
|---|----------------------------------|--|

| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|--|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Procurement | | | | | | | | | | | | |
| <i>Modification Item 1 of 1: Pylon Stub</i> | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | |
| Pylon Stub:INSTALL KITS Group A (Active) | 48 / 20.201 | 17 / 9.635 | 28 / 13.247 | 1 / 0.424 | - / - | 1 / 0.424 | - / - | - / - | - / - | - / - | - / - | 94 / 43.507 |
| Pylon Stub:INSTALL KITS Group A (Guard) | 10 / 4.786 | 3 / 1.470 | - / - | 13 / 5.515 | - / - | 13 / 5.515 | - / - | - / - | - / - | - / - | - / - | 26 / 11.771 |
| Pylon Stub:INSTALL KITS Group A (Reserve) | 2 / 0.862 | 4 / 1.960 | 1 / 0.473 | 3 / 1.273 | - / - | 3 / 1.273 | - / - | - / - | - / - | - / - | - / - | 10 / 4.568 |
| <i>Subtotal: Recurring</i> | - / 25.849 | - / 13.065 | - / 13.720 | - / 7.212 | - / - | - / 7.212 | - / - | - / - | - / - | - / - | - / - | - / 59.846 |
| <i>Subtotal: Pylon Stub</i> | - / 25.849 | - / 13.065 | - / 13.720 | - / 7.212 | - / - | - / 7.212 | - / - | - / - | - / - | - / - | - / - | - / 59.846 |
| <i>Subtotal: Procurement, All Modification Items</i> | - / 25.849 | - / 13.065 | - / 13.720 | - / 7.212 | - / - | - / 7.212 | - / - | - / - | - / - | - / - | - / - | - / 59.846 |
| Support (All Modification Items) | | | | | | | | | | | | |
| GROUP A: TOTAL NONRECURRING | - / 1.500 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 1.500 |
| Change Orders | - / - | - / - | - / - | - / 0.664 | - / - | - / 0.664 | - / - | - / - | - / - | - / - | - / - | - / 0.664 |
| PMA - Contractor Services | - / - | - / - | - / - | - / 1.125 | - / - | - / 1.125 | - / 0.488 | - / 0.280 | - / - | - / - | - / - | - / 1.893 |
| <i>Subtotal: Support</i> | - / 1.500 | - / - | - / - | - / 1.789 | - / - | - / 1.789 | - / 0.488 | - / 0.280 | - / - | - / - | - / - | - / 4.057 |
| Installation | | | | | | | | | | | | |
| <i>Modification Item 1 of 1: Pylon Stub</i> | 10 / 1.746 | 15 / 2.244 | 30 / 3.222 | 29 / 6.559 | - / - | 29 / 6.559 | 29 / 5.994 | 17 / 3.618 | - / - | - / - | - / - | 130 / 23.383 |
| <i>Subtotal: Installation</i> | 10 / 1.746 | 15 / 2.244 | 30 / 3.222 | 29 / 6.559 | - / - | 29 / 6.559 | 29 / 5.994 | 17 / 3.618 | - / - | - / - | - / - | 130 / 23.383 |
| Total | | | | | | | | | | | | |
| Total Cost (Procurement + Support + Installation) | 29.095 | 15.309 | 16.942 | 15.560 | - | 15.560 | 6.482 | 3.898 | - | - | - | 87.286 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3 | P-1 Line Item Number / Title: C01700 / C-17A | Modification Number / Title: 2000 / Pylon Stub FFLZ, FF, Translating Fairing |

| Secondary Distribution | FY 2013 | | FY 2014 | | FY 2015 Base | | FY 2015 OCO | | FY 2015 Total | | FY 2016 | | FY 2017 | | FY 2018 | | FY 2019 | |
|--|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Models of Systems Affected: | | | | | | | | | | | | | | | | | | |
| Modification Type: Safety | | | | | Related RDT&E PEs: 0401130F | | | | | | | | | | | | | |
| Procurement | | | | | | | | | | | | | | | | | | |
| Modification Item 1 of 1: Pylon Stub | | | | | | | | | | | | | | | | | | |
| AF | - / 9.635 | - / 13.247 | - / 0.424 | - / - | - / 0.424 | - / - | - / - | - / 0.424 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| AFNG | - / 1.470 | - / - | - / 15.515 | - / - | - / 15.515 | - / - | - / - | - / 15.515 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| AFR | - / 1.960 | - / 0.473 | - / 11.273 | - / - | - / 11.273 | - / - | - / - | - / 11.273 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| <i>Subtotal: Pylon Stub Secondary Distribution</i> | <i>- / 13.065</i> | <i>- / 13.720</i> | <i>- / 17.212</i> | <i>- / -</i> | <i>- / 17.212</i> | <i>- / -</i> | <i>- / -</i> | <i>- / 17.212</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> |
| <i>Subtotal: Procurement, All Modification Items</i> | <i>- / 13.065</i> | <i>- / 13.720</i> | <i>- / 17.212</i> | <i>- / -</i> | <i>- / 17.212</i> | <i>- / -</i> | <i>- / -</i> | <i>- / 17.212</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> |
| Support | | | | | | | | | | | | | | | | | | |
| AF | - / - | - / - | - / 1.789 | - / - | - / 1.789 | - / - | - / - | - / 1.789 | - / 0.488 | - / 0.280 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| <i>Subtotal: Support</i> | <i>- / -</i> | <i>- / -</i> | <i>- / 1.789</i> | <i>- / -</i> | <i>- / 1.789</i> | <i>- / -</i> | <i>- / -</i> | <i>- / 1.789</i> | <i>- / 0.488</i> | <i>- / 0.280</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> |
| Installation | | | | | | | | | | | | | | | | | | |
| Modification Item 1 of 1: Pylon Stub | | | | | | | | | | | | | | | | | | |
| Contractor Facility | | | | | | | | | | | | | | | | | | |
| AF | 10 / 1.496 | 28 / 3.007 | 22 / 4.975 | - / - | 22 / 4.975 | - / - | - / - | 22 / 4.975 | 28 / 5.787 | 1 / 0.213 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| AFNG | 5 / 0.748 | 1 / 0.107 | 3 / 0.678 | - / - | 3 / 0.678 | - / - | - / - | 3 / 0.678 | - / - | 13 / 2.767 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| AFR | - / - | 1 / 0.108 | 4 / 0.906 | - / - | 4 / 0.906 | - / - | - / - | 4 / 0.906 | 1 / 0.207 | 3 / 0.638 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| <i>Subtotal: Contractor Facility</i> | <i>15 / 2.244</i> | <i>30 / 3.222</i> | <i>29 / 6.559</i> | <i>- / -</i> | <i>29 / 6.559</i> | <i>- / -</i> | <i>- / -</i> | <i>29 / 6.559</i> | <i>29 / 5.994</i> | <i>17 / 3.618</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> |
| <i>Subtotal: Pylon Stub</i> | <i>15 / 2.244</i> | <i>30 / 3.222</i> | <i>29 / 6.559</i> | <i>- / -</i> | <i>29 / 6.559</i> | <i>- / -</i> | <i>- / -</i> | <i>29 / 6.559</i> | <i>29 / 5.994</i> | <i>17 / 3.618</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> |
| <i>Subtotal: Installation</i> | <i>15 / 2.244</i> | <i>30 / 3.222</i> | <i>29 / 6.559</i> | <i>- / -</i> | <i>29 / 6.559</i> | <i>- / -</i> | <i>- / -</i> | <i>29 / 6.559</i> | <i>29 / 5.994</i> | <i>17 / 3.618</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> |
| Total | | | | | | | | | | | | | | | | | | |
| Total: Secondary Distribution, All Modification Items | - / 15.309 | - / 16.942 | - / 15.560 | - / - | - / 15.560 | - / - | - / - | - / 15.560 | - / 6.482 | - / 3.898 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |

UNCLASSIFIED

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3 | P-1 Line Item Number / Title: C01700 / C-17A | Modification Number / Title: 2000 / Pylon Stub FFLZ, FF, Translating Fairing |

Modification Item 1 of 1: Pylon Stub

Modification Item MDAP/MAIS Code:

Manufacturer Information

| | |
|--|---------------------------------------|
| Manufacturer Name: The Boeing Company | Manufacturer Location: Long Beach, CA |
| Administrative Leadtime (in Months): 6 | Production Leadtime (in Months): 18 |

| Dates | FY 2013 | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|----------------|----------|----------|----------|---------|---------|---------|---------|
| Contract Dates | Apr 2013 | Apr 2014 | Apr 2015 | | | | |
| Delivery Dates | Oct 2014 | Oct 2015 | Oct 2016 | | | | |

Installation Information

Method of Implementation: Contractor Facility

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|-------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | 10 / 1.746 | 15 / 2.244 | 30 / 3.222 | 5 / 1.131 | - / - | 5 / 1.131 | - / - | - / - | - / - | - / - | - / - | 60 / 8.343 |
| Secondary Distribution - AF | - / - | 10 / 1.496 | 28 / 3.007 | 5 / 1.131 | - / - | 5 / 1.131 | - / - | - / - | - / - | - / - | - / - | - / - |
| Secondary Distribution - AFNG | - / - | 5 / 0.748 | 1 / 0.107 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| Secondary Distribution - AFR | - / - | - / - | 1 / 0.108 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2013 | - / - | - / - | - / - | 24 / 5.428 | - / - | 24 / 5.428 | - / - | - / - | - / - | - / - | - / - | 24 / 5.428 |
| Secondary Distribution - AF | - / - | - / - | - / - | 17 / 3.844 | - / - | 17 / 3.844 | - / - | - / - | - / - | - / - | - / - | - / - |
| Secondary Distribution - AFNG | - / - | - / - | - / - | 3 / 0.678 | - / - | 3 / 0.678 | - / - | - / - | - / - | - / - | - / - | - / - |
| Secondary Distribution - AFR | - / - | - / - | - / - | 4 / 0.906 | - / - | 4 / 0.906 | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | - / - | - / - | - / - | - / - | 29 / 5.994 | - / - | - / - | - / - | - / - | 29 / 5.994 |
| Secondary Distribution - AF | - / - | - / - | - / - | - / - | - / - | - / - | 28 / 5.787 | - / - | - / - | - / - | - / - | - / - |
| Secondary Distribution - AFR | - / - | - / - | - / - | - / - | - / - | - / - | 1 / 0.207 | - / - | - / - | - / - | - / - | - / - |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 17 / 3.618 | - / - | - / - | - / - | 17 / 3.618 |
| Secondary Distribution - AF | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 1 / 0.213 | - / - | - / - | - / - | - / - |
| Secondary Distribution - AFNG | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 13 / 2.767 | - / - | - / - | - / - | - / - |
| Secondary Distribution - AFR | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 3 / 0.638 | - / - | - / - | - / - | - / - |
| FY 2016 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2017 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2018 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2019 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| To Complete | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | 10 / 1.746 | 15 / 2.244 | 30 / 3.222 | 29 / 6.559 | - / - | 29 / 6.559 | 29 / 5.994 | 17 / 3.618 | - / - | - / - | - / - | 130 / 23.383 |
| Secondary Distribution - AF | - / - | 10 / 1.496 | 28 / 3.007 | 22 / 4.975 | - / - | 22 / 4.975 | 28 / 5.787 | 1 / 0.213 | - / - | - / - | - / - | - / - |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3 | P-1 Line Item Number / Title: C01700 / C-17A | Modification Number / Title: 2000 / Pylon Stub FFLZ, FF, Translating Fairing |

Modification Item 1 of 1: Pylon Stub

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Contractor Facility

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|-------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Secondary Distribution - AFNG | - / - | 5 / 0.748 | 1 / 0.107 | 3 / 0.678 | - / - | 3 / 0.678 | - / - | 13 / 2.767 | - / - | - / - | - / - | - / - |
| Secondary Distribution - AFR | - / - | - / - | 1 / 0.108 | 4 / 0.906 | - / - | 4 / 0.906 | 1 / 0.207 | 3 / 0.638 | - / - | - / - | - / - | - / - |

Installation Schedule

| | PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | | FY 2016 | | | | FY 2017 | | | | FY 2018 | | | | FY 2019 | | | | TC | Tot | |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|-----|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | | |
| In | 10 | 3 | 4 | 4 | 4 | 7 | 7 | 8 | 8 | 7 | 7 | 7 | 8 | 7 | 7 | 7 | 8 | 7 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | - | 130 |
| Out | 7 | 3 | 3 | 4 | 4 | 4 | 7 | 7 | 8 | 8 | 7 | 7 | 7 | 8 | 7 | 7 | 7 | 8 | 7 | 7 | 3 | - | - | - | - | - | - | - | - | - | - | 130 |

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|---|--|--|--|--|--|--|-------------------------|---|--|--|--|--|
| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | Date: March 2014 | | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3 | | | | P-1 Line Item Number / Title: C01700 / C-17A | | | | Modification Number / Title: 8962 / Block 13 to 17 Retrofit | | | | |

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|---|--------------------|----------------|----------------|---------------------|---------------------|----------------------|----------------|----------------|----------------|----------------|--------------------|----------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 654.225 | 143.191 | 23.003 | 57.585 | - | 57.585 | - | - | - | - | - | 878.004 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (<i>\$ in Millions</i>) | 654.225 | 143.191 | 23.003 | 57.585 | - | 57.585 | - | - | - | - | - | 878.004 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 654.225 | 143.191 | 23.003 | 57.585 | - | 57.585 | - | - | - | - | - | 878.004 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial Spares (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

This modification program includes block 14, 15, 16 and 17 incorporated into one integrated retrofit work package for the block 13 baseline on 152 C-17 aircraft (P1-P152) facilitating a homogeneous configuration. Production cut-in of the block 17 aircraft began with P153.

Block 14: Mobility 2000 (M2K) provides an Aircraft Communications Addressing and Reporting System (ACARS) capability for data link communications between the aircraft and the Tanker Airlift Control Center (TACC). Production cut-in of M2K began with P98. Secure Enroute Communications Package (SECOMP-I) adds three UHF SATCOM antennas, two US Army multi-bank VHF/UHF antennas, two additional SATCOM antennas and adds a cargo compartment communications panel. Production cut-in of SECOMP-I began with P121.

Block 15: Communication Open System Architecture (COSA) updates the design of the communications systems to add growth capacity through an open systems architecture approach. Production cut-in of COSA began with P121.

Block 16: Weather Radar Replacement replaces the current AN/APS-133 weather radar. Production cut-in of the new weather radar began with P138. Stabilizer Strut Retrofit implements design changes to the stabilizer strut system. Production cut-in of the stabilizer strut retrofit began with P138.

Block 17: Formation Flying System (FFS) replaces Station Keeping Equipment (SKE) to enable formation flight in all weather conditions and provides Global Response Force (GRF) capability (53 aircraft across the drop zone in 30 minutes). Production cut-in of FFS began with P153 with upgraded FFS production cut-in scheduled to begin with P212. Global Air Traffic Management/Required Navigational Performance Improved (GATM/RNP-I) provides the capability to maintain precise control of navigation accuracy to within one nautical mile of the aircraft's planned position while enroute and 0.3 nautical miles in the terminal area. The capability for HF Data Link (HFDL) operations as a back-up datalink to the AERO-I capability is also included in RNP-I. Production cut-in of GATM/RNP-I began with P153. Combat Lighting provides covert Night Vision Goggle (NVG) capabilities for the cockpit, rear cargo area and all external lighting systems. Production cut-in of combat lighting began with P153.

Installs performed at Boeing Support Systems San Antonio (BSS-SA) and Warner Robins Air Logistics Center (WR-ALC). All 1,064 (152 A/C) retrofit modifications are scheduled to be complete by CY15. Funding may be used to alleviate Diminishing Manufacturing Sources (DMS) issues. Allocations by component are subject to total force mission priorities and aircraft availability. This modification effort is part of the C-17 Global Reach Improvement Program on the Air Force Acquisition Master List (AML).

Milestone/Development Status

Development complete

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3 | P-1 Line Item Number / Title: C01700 / C-17A | Modification Number / Title: 8962 / Block 13 to 17 Retrofit |

| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|--|-----------------------------------|----------------|---------------|-----------------|----------------|------------------|---------|---------|---------|---------|
| AF | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 109.696 | 9.306 | 22.098 | - | 22.098 | - | - | - | - |
| AFNG | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 12.372 | 10.044 | 16.898 | - | 16.898 | - | - | - | - |
| AFR | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 21.123 | 3.653 | 18.589 | - | 18.589 | - | - | - | - |
| Total: Secondary Distribution | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 143.191 | 23.003 | 57.585 | - | 57.585 | - | - | - | - |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | | | | Date: March 2014 | | | |
|---|--------------------------------|--------------------------------|--------------------------------|--|--|--------------------------------|--------------------------------|--|--------------------------------|---|--------------------------------|--------------------------------|--|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3 | | | | | P-1 Line Item Number / Title: C01700 / C-17A | | | | | Modification Number / Title: 8962 / Block 13 to 17 Retrofit | | | |
| Models of Systems Affected: C-17 | | | | Modification Type: Capability Improvement | | | | Related RDT&E PEs: 0401130F | | | | | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total | |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | |
| RDT&E PE # | | | | | | | | | | | | | |
| 0401130F | 0 / 283.938 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 283.938 | |
| Procurement | | | | | | | | | | | | | |
| <i>Modification Item 1 of 1: Blk 13-17</i> | | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| Blk 13-17:INSTALL KITS Group A (Active) | 658 / 229.828 | 36 / 13.378 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 694 / 243.206 | |
| Blk 13-17:INSTALL KITS Group A (Guard) | 220 / 64.049 | 6 / 2.539 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 226 / 66.588 | |
| Blk 13-17:INSTALL KITS Group A (Reserve) | 114 / 22.783 | 30 / 12.694 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 144 / 35.477 | |
| <i>Subtotal: Recurring</i> | - / 316.660 | - / 28.611 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 345.271 | |
| <i>Subtotal: Blk 13-17</i> | - / 316.660 | - / 28.611 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 345.271 | |
| <i>Subtotal: Procurement, All Modification Items</i> | - / 316.660 | - / 28.611 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 345.271 | |
| Support (All Modification Items) | | | | | | | | | | | | | |
| SIM/TRAINER | - / - | - / - | - / - | - / 19.728 | - / - | - / 19.728 | - / - | - / - | - / - | - / - | - / - | - / 19.728 | |
| OTHER GOVT | - / 146.654 | - / 10.945 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 147.599 | |
| Mod of Spares | - / 2.890 | - / 10.792 | - / 10.857 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 14.539 | |
| GFP | - / 127.311 | - / 13.868 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 31.179 | |
| PMA - Contractor Services | - / 15.418 | - / - | - / - | - / 12.755 | - / - | - / 12.755 | - / - | - / - | - / - | - / - | - / - | - / 18.173 | |
| <i>Subtotal: Support</i> | - / 82.273 | - / 15.605 | - / 10.857 | - / 12.483 | - / - | - / 12.483 | - / - | - / - | - / - | - / - | - / - | - / 101.218 | |
| Installation | | | | | | | | | | | | | |
| <i>Modification Item 1 of 1: Blk 13-17</i> | 600 / 255.292 | 170 / 108.975 | 155 / 22.146 | 139 / 45.102 | - / - | 139 / 45.102 | - / - | - / - | - / - | - / - | - / - | 1,064 / 431.515 | |
| <i>Subtotal: Installation</i> | 600 / 255.292 | 170 / 108.975 | 155 / 22.146 | 139 / 45.102 | - / - | 139 / 45.102 | - / - | - / - | - / - | - / - | - / - | 1,064 / 431.515 | |
| Total | | | | | | | | | | | | | |
| Total Cost (Procurement + Support + Installation) | 654.225 | 143.191 | 23.003 | 57.585 | - | 57.585 | - | - | - | - | - | 878.004 | |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | Date: March 2014 | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3 | | | P-1 Line Item Number / Title: C01700 / C-17A | | | Modification Number / Title: 8962 / Block 13 to 17 Retrofit | | | | |
| Models of Systems Affected: | | Modification Type: Capability Improvement | | Related RDT&E PEs: 0401130F | | | | | | |
| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
| | | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Procurement | | | | | | | | | | |
| Modification Item 1 of 1: Blk 13-17 | | | | | | | | | | |
| AF | | - / 13.378 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| AFNG | | - / 2.539 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| AFR | | - / 12.694 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| <i>Subtotal: Blk 13-17 Secondary Distribution</i> | | - / 28.611 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| <i>Subtotal: Procurement, All Modification Items</i> | | - / 28.611 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| Support | | | | | | | | | | |
| AF | | - / 5.605 | - / 0.857 | - / 12.483 | - / - | - / 12.483 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Support</i> | | - / 5.605 | - / 0.857 | - / 12.483 | - / - | - / 12.483 | - / - | - / - | - / - | - / - |
| Installation | | | | | | | | | | |
| Modification Item 1 of 1: Blk 13-17 | | | | | | | | | | |
| Contractor Facility | | | | | | | | | | |
| AF | | 144 / 90.713 | 79 / 8.449 | 30 / 9.615 | - / - | 30 / 9.615 | - / - | - / - | - / - | - / - |
| AFNG | | 14 / 9.833 | 55 / 10.044 | 51 / 16.898 | - / - | 51 / 16.898 | - / - | - / - | - / - | - / - |
| AFR | | 12 / 8.429 | 21 / 3.653 | 58 / 18.589 | - / - | 58 / 18.589 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Contractor Facility</i> | | 170 / 108.975 | 155 / 22.146 | 139 / 45.102 | - / - | 139 / 45.102 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Blk 13-17</i> | | 170 / 108.975 | 155 / 22.146 | 139 / 45.102 | - / - | 139 / 45.102 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Installation</i> | | 170 / 108.975 | 155 / 22.146 | 139 / 45.102 | - / - | 139 / 45.102 | - / - | - / - | - / - | - / - |
| Total | | | | | | | | | | |
| Total: Secondary Distribution, All Modification Items | | - / 143.191 | - / 23.003 | - / 57.585 | - / - | - / 57.585 | - / - | - / - | - / - | - / - |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3 | P-1 Line Item Number / Title: C01700 / C-17A | Modification Number / Title: 8962 / Block 13 to 17 Retrofit |

Modification Item 1 of 1: Blk 13-17

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: The Boeing Company Manufacturer Location: Long Beach, CA

Administrative Leadtime (in Months): 0 Production Leadtime (in Months): 19

| Dates | FY 2013 | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|----------------|----------|---------|---------|---------|---------|---------|---------|
| Contract Dates | Mar 2013 | | | | | | |
| Delivery Dates | Oct 2014 | | | | | | |

Installation Information

Method of Implementation: Contractor Facility

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|-------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | 600 / 255.292 | 170 / 108.975 | 149 / 19.959 | 73 / 23.949 | - / - | 73 / 23.949 | - / - | - / - | - / - | - / - | - / - | 992 / 408.175 |
| Secondary Distribution - AF | - / - | 144 / 90.713 | 73 / 6.262 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| Secondary Distribution - AFNG | - / - | 14 / 9.833 | 55 / 10.044 | 45 / 14.975 | - / - | 45 / 14.975 | - / - | - / - | - / - | - / - | - / - | - / - |
| Secondary Distribution - AFR | - / - | 12 / 8.429 | 21 / 3.653 | 28 / 8.974 | - / - | 28 / 8.974 | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2013 | - / - | - / - | 6 / 2.187 | 66 / 21.153 | - / - | 66 / 21.153 | - / - | - / - | - / - | - / - | - / - | 72 / 23.340 |
| Secondary Distribution - AF | - / - | - / - | 6 / 2.187 | 30 / 9.615 | - / - | 30 / 9.615 | - / - | - / - | - / - | - / - | - / - | - / - |
| Secondary Distribution - AFNG | - / - | - / - | - / - | 6 / 1.923 | - / - | 6 / 1.923 | - / - | - / - | - / - | - / - | - / - | - / - |
| Secondary Distribution - AFR | - / - | - / - | - / - | 30 / 9.615 | - / - | 30 / 9.615 | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2016 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2017 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2018 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2019 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| To Complete | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | 600 / 255.292 | 170 / 108.975 | 155 / 22.146 | 139 / 45.102 | - / - | 139 / 45.102 | - / - | - / - | - / - | - / - | - / - | 1,064 / 431.515 |
| Secondary Distribution - AF | - / - | 144 / 90.713 | 79 / 8.449 | 30 / 9.615 | - / - | 30 / 9.615 | - / - | - / - | - / - | - / - | - / - | - / - |
| Secondary Distribution - AFNG | - / - | 14 / 9.833 | 55 / 10.044 | 51 / 16.898 | - / - | 51 / 16.898 | - / - | - / - | - / - | - / - | - / - | - / - |
| Secondary Distribution - AFR | - / - | 12 / 8.429 | 21 / 3.653 | 58 / 18.589 | - / - | 58 / 18.589 | - / - | - / - | - / - | - / - | - / - | - / - |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3 | P-1 Line Item Number / Title: C01700 / C-17A | Modification Number / Title: 8962 / Block 13 to 17 Retrofit |

Modification Item 1 of 1: Blk 13-17

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Contractor Facility

Installation Schedule

| | PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | | FY 2016 | | | | FY 2017 | | | | FY 2018 | | | | FY 2019 | | | | TC | Tot | |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|-------|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | | |
| In | 600 | 43 | 43 | 42 | 42 | 39 | 39 | 39 | 38 | 35 | 35 | 35 | 34 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1,064 |
| Out | 558 | 42 | 43 | 43 | 42 | 42 | 39 | 39 | 39 | 38 | 35 | 35 | 35 | 34 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1,064 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | Date: March 2014 | | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3 | | | | P-1 Line Item Number / Title: C01700 / C-17A | | | | Modification Number / Title: 1508 / IFF GATM Mode 5 | | | | |

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|---|--------------------|----------------|----------------|---------------------|---------------------|----------------------|----------------|----------------|----------------|----------------|--------------------|----------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 5.703 | 7.620 | 19.283 | 22.621 | - | 22.621 | 26.828 | 33.363 | 35.032 | 23.362 | 4.220 | 178.032 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (<i>\$ in Millions</i>) | 5.703 | 7.620 | 19.283 | 22.621 | - | 22.621 | 26.828 | 33.363 | 35.032 | 23.362 | 4.220 | 178.032 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 5.703 | 7.620 | 19.283 | 22.621 | - | 22.621 | 26.828 | 33.363 | 35.032 | 23.362 | 4.220 | 178.032 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|---|-------|-------|-------|-------|---|-------|-------|-------|-------|-------|---|--------|
| Initial Spares (<i>\$ in Millions</i>) | 0.651 | 0.617 | 2.975 | 3.094 | - | 3.094 | 3.218 | 3.347 | 3.480 | 2.272 | - | 19.654 |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

This project will equip C-17 aircraft with an upgraded identification friend or foe (IFF) system and software upgrades to meet future military and civil transponder-reporting requirements. Concerns regarding the capabilities and vulnerabilities of existing military secure, encrypted IFF systems resulted in an AMC requirement for an upgraded mode 5 IFF capability. This requirement is documented in a Joint Requirements Oversight Council (JROC) approved operational requirements document (ORD).

The project upgrades the current APX-119 and KIV-77 (crypto unit) line-replacable units (LRUs) to provide the Mode 5 capability. The full capabilities of the digital IFF will be integrated in the C-17 to provide the enhanced Mode 5 capabilities.

This project also replaces the current mission computer/core integrated processor (MC/CIP). A form, fit, and function CIP replacement at the LRU level replaces the existing CIP for Block 17 aircraft. The CIP replacement will be operationally transparent to the aircrew. The CIP replacement shall provide processing throughput improvement and added memory capabilities to support future capability upgrade via block software.

Due to synergies with loading software and depot downtime, installations of the following capabilities from the C-17 Communication/Navigation & Capability Mandate (CN/CM) Program (Automatic Dependent Surveillance - Broadcast (ADS-B) Out and a communications upgrade) are included as part of the CIP & Mode 5 Plus upgrade packages starting in FY17. The project includes procuring Government Finished Equipment of IFF Transponders, PLSR Software Upgrades, ARC-210 Gen 5, and Radio Control Units.

Compliance deadline for Mode 5 is IOC of 40 C-17s by end of FY14 and FOC by the end of FY20. All installs will be complete by CY20. Installs are performed at Boeing Support Systems-San Antonio and at WR-ALC.

Funding may be used to alleviate Diminishing Manufacturing Sources (DMS) issues. Projected allocations by component are subject to total force mission priorities and aircraft availability. This modification effort is part of the C-17 Common Configuration Program on the Air Force Acquisition Master List (AML).

Milestone/Development Status

Development Complete

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3 | P-1 Line Item Number / Title: C01700 / C-17A | Modification Number / Title: 1508 / IFF GATM Mode 5 |

| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|-------------------------------|-----------------------------------|--------------|---------------|---------------|-------------|---------------|---------------|---------------|---------------|---------------|
| AF | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 7.620 | 19.283 | 22.621 | - | 22.621 | 26.828 | 33.363 | 22.350 | 10.158 |
| AFNG | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | - | - | - | - | - | - | - | 12.212 | 4.790 |
| AFR | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | - | - | - | - | - | - | - | 0.470 | 8.414 |
| Total: | Quantity | - | - | - | - | - | - | - | - | - |
| Secondary Distribution | Total Obligation Authority | 7.620 | 19.283 | 22.621 | - | 22.621 | 26.828 | 33.363 | 35.032 | 23.362 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | | | | Date: March 2014 | | |
|---|--------------------------------|--------------------------------|--------------------------------|--|--------------------------------|--------------------------------|--------------------------------|--|--------------------------------|---|--------------------------------|--------------------------------|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3 | | | | P-1 Line Item Number / Title: C01700 / C-17A | | | | | | Modification Number / Title: 1508 / IFF GATM Mode 5 | | |
| Models of Systems Affected: C-17 | | | | Modification Type: Capability Improvement | | | | Related RDT&E PEs: 0401130F | | | | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| RDT&E PE # | | | | | | | | | | | | |
| 0401130F | - / 24.911 | - / 2.500 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 27.411 |
| Procurement | | | | | | | | | | | | |
| <i>Modification Item 1 of 1: Mode 5</i> | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | |
| Mode 5:INSTALL KITS Group A (Active) | 2 / 0.000 | 38 / 5.849 | 33 / 17.836 | 33 / 14.050 | - / - | 33 / 14.050 | 33 / 14.610 | 33 / 15.050 | 6 / 2.818 | - / - | - / - | 178 / 70.213 |
| Mode 5:INSTALL KITS Group A (Guard) | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 26 / 12.212 | - / - | - / - | 26 / 12.212 |
| Mode 5:INSTALL KITS Group A (Reserve) | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 1 / 0.470 | 17 / 8.230 | - / - | 18 / 8.700 |
| <i>Subtotal: Recurring</i> | - / 0.000 | - / 5.849 | - / 17.836 | - / 14.050 | - / - | - / 14.050 | - / 14.610 | - / 15.050 | - / 15.500 | - / 8.230 | - / - | - / 91.125 |
| <i>Subtotal: Mode 5</i> | - / 0.000 | - / 5.849 | - / 17.836 | - / 14.050 | - / - | - / 14.050 | - / 14.610 | - / 15.050 | - / 15.500 | - / 8.230 | - / - | - / 91.125 |
| <i>Subtotal: Procurement, All Modification Items</i> | - / 0.000 | - / 5.849 | - / 17.836 | - / 14.050 | - / - | - / 14.050 | - / 14.610 | - / 15.050 | - / 15.500 | - / 8.230 | - / - | - / 91.125 |
| Support (All Modification Items) | | | | | | | | | | | | |
| Change Orders | - / - | - / - | - / - | - / 0.840 | - / - | - / 0.840 | - / 1.120 | - / 1.410 | - / 1.480 | - / 0.950 | - / 0.150 | - / 5.950 |
| SIM/TRAINER | - / - | - / - | - / - | - / 1.960 | - / - | - / 1.960 | - / - | - / - | - / - | - / - | - / - | - / 1.960 |
| PMA - Contractor Services | - / - | - / - | - / - | - / 1.061 | - / - | - / 1.061 | - / 1.248 | - / 1.313 | - / 1.502 | - / 1.233 | - / - | - / 6.357 |
| GFP | - / 5.275 | - / - | - / - | - / 1.300 | - / - | - / 1.300 | - / 6.340 | - / 9.850 | - / 10.140 | - / 6.360 | - / 0.770 | - / 40.035 |
| OTHER GOVT | - / 0.428 | - / - | - / - | - / 0.460 | - / - | - / 0.460 | - / 0.470 | - / 0.490 | - / 0.500 | - / 0.510 | - / - | - / 2.858 |
| <i>Subtotal: Support</i> | - / 5.703 | - / - | - / - | - / 5.621 | - / - | - / 5.621 | - / 9.178 | - / 13.063 | - / 13.622 | - / 9.053 | - / 0.920 | - / 57.160 |
| Installation | | | | | | | | | | | | |
| <i>Modification Item 1 of 1: Mode 5</i> | - / - | 2 / 1.771 | 38 / 1.447 | 33 / 2.950 | - / - | 33 / 2.950 | 33 / 3.040 | 33 / 5.250 | 33 / 5.910 | 33 / 6.079 | 17 / 3.300 | 222 / 29.747 |
| <i>Subtotal: Installation</i> | - / - | 2 / 1.771 | 38 / 1.447 | 33 / 2.950 | - / - | 33 / 2.950 | 33 / 3.040 | 33 / 5.250 | 33 / 5.910 | 33 / 6.079 | 17 / 3.300 | 222 / 29.747 |
| Total | | | | | | | | | | | | |
| Total Cost (Procurement + Support + Installation) | 5.703 | 7.620 | 19.283 | 22.621 | - | 22.621 | 26.828 | 33.363 | 35.032 | 23.362 | 4.220 | 178.032 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3 | P-1 Line Item Number / Title: C01700 / C-17A | Modification Number / Title: 1508 / IFF GATM Mode 5 |

| | | |
|------------------------------------|--|--|
| Models of Systems Affected: | Modification Type: Capability Improvement | Related RDT&E PEs: 0401130F |
|------------------------------------|--|--|

| Secondary Distribution | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|--|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Procurement | | | | | | | | | |
| Modification Item 1 of 1: Mode 5 | | | | | | | | | |
| AF | - / 5.849 | - / 17.836 | - / 14.050 | - / - | - / 14.050 | - / 14.610 | - / 15.050 | - / 2.818 | - / - |
| AFNG | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 12.212 | - / - |
| AFR | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 10.470 | - / 18.230 |
| <i>Subtotal: Mode 5 Secondary Distribution</i> | <i>- / 5.849</i> | <i>- / 17.836</i> | <i>- / 14.050</i> | <i>- / -</i> | <i>- / 14.050</i> | <i>- / 14.610</i> | <i>- / 15.050</i> | <i>- / 15.500</i> | <i>- / 18.230</i> |
| <i>Subtotal: Procurement, All Modification Items</i> | <i>- / 5.849</i> | <i>- / 17.836</i> | <i>- / 14.050</i> | <i>- / -</i> | <i>- / 14.050</i> | <i>- / 14.610</i> | <i>- / 15.050</i> | <i>- / 15.500</i> | <i>- / 18.230</i> |
| Support | | | | | | | | | |
| AF | - / - | - / - | - / 5.621 | - / - | - / 5.621 | - / 9.178 | - / 13.063 | - / 13.622 | - / 9.053 |
| <i>Subtotal: Support</i> | <i>- / -</i> | <i>- / -</i> | <i>- / 5.621</i> | <i>- / -</i> | <i>- / 5.621</i> | <i>- / 9.178</i> | <i>- / 13.063</i> | <i>- / 13.622</i> | <i>- / 9.053</i> |
| Installation | | | | | | | | | |
| Modification Item 1 of 1: Mode 5 | | | | | | | | | |
| Contractor Facility | | | | | | | | | |
| AF | 2 / 1.771 | 38 / 1.447 | 33 / 2.950 | - / - | 33 / 2.950 | 33 / 3.040 | 33 / 5.250 | 33 / 5.910 | 6 / 1.105 |
| AFNG | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 26 / 4.790 |
| AFR | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 1 / 0.184 |
| <i>Subtotal: Contractor Facility</i> | <i>2 / 1.771</i> | <i>38 / 1.447</i> | <i>33 / 2.950</i> | <i>- / -</i> | <i>33 / 2.950</i> | <i>33 / 3.040</i> | <i>33 / 5.250</i> | <i>33 / 5.910</i> | <i>33 / 6.079</i> |
| <i>Subtotal: Mode 5</i> | <i>2 / 1.771</i> | <i>38 / 1.447</i> | <i>33 / 2.950</i> | <i>- / -</i> | <i>33 / 2.950</i> | <i>33 / 3.040</i> | <i>33 / 5.250</i> | <i>33 / 5.910</i> | <i>33 / 6.079</i> |
| <i>Subtotal: Installation</i> | <i>2 / 1.771</i> | <i>38 / 1.447</i> | <i>33 / 2.950</i> | <i>- / -</i> | <i>33 / 2.950</i> | <i>33 / 3.040</i> | <i>33 / 5.250</i> | <i>33 / 5.910</i> | <i>33 / 6.079</i> |
| Total | | | | | | | | | |
| Total: Secondary Distribution, All Modification Items | - / 17.620 | - / 19.283 | - / 22.621 | - / - | - / 22.621 | - / 26.828 | - / 33.363 | - / 35.032 | - / 23.362 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3 | P-1 Line Item Number / Title: C01700 / C-17A | Modification Number / Title: 1508 / IFF GATM Mode 5 |

Modification Item 1 of 1: Mode 5

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: The Boeing Company Manufacturer Location: Long Beach, CA

Administrative Leadtime (in Months): 0 Production Leadtime (in Months): 12

| Dates | FY 2013 | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|----------------|----------|----------|----------|----------|----------|----------|----------|
| Contract Dates | Mar 2013 | Mar 2014 | Mar 2015 | Mar 2016 | Mar 2017 | Mar 2018 | Mar 2019 |
| Delivery Dates | Mar 2014 | Mar 2015 | Mar 2016 | Mar 2017 | Mar 2018 | Mar 2019 | Mar 2020 |

Installation Information

Method of Implementation: Contractor Facility

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|-------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | - / - | 2 / 1.771 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 2 / 1.771 |
| Secondary Distribution - AF | - / - | 2 / 1.771 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2013 | - / - | - / - | 38 / 1.447 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 38 / 1.447 |
| Secondary Distribution - AF | - / - | - / - | 38 / 1.447 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | - / - | 33 / 2.950 | - / - | 33 / 2.950 | - / - | - / - | - / - | - / - | - / - | 33 / 2.950 |
| Secondary Distribution - AF | - / - | - / - | - / - | 33 / 2.950 | - / - | 33 / 2.950 | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - | 33 / 3.040 | - / - | - / - | - / - | - / - | 33 / 3.040 |
| Secondary Distribution - AF | - / - | - / - | - / - | - / - | - / - | - / - | 33 / 3.040 | - / - | - / - | - / - | - / - | - / - |
| FY 2016 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 33 / 5.250 | - / - | - / - | - / - | 33 / 5.250 |
| Secondary Distribution - AF | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 33 / 5.250 | - / - | - / - | - / - | - / - |
| FY 2017 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 33 / 5.910 | - / - | - / - | 33 / 5.910 |
| Secondary Distribution - AF | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 33 / 5.910 | - / - | - / - | - / - |
| FY 2018 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 33 / 6.079 | - / - | 33 / 6.079 |
| Secondary Distribution - AF | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 6 / 1.105 | - / - | - / - |
| Secondary Distribution - AFNG | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 26 / 4.790 | - / - | - / - |
| Secondary Distribution - AFR | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 1 / 0.184 | - / - | - / - |
| FY 2019 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 17 / 3.300 | 17 / 3.300 |
| To Complete | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | - / - | 2 / 1.771 | 38 / 1.447 | 33 / 2.950 | - / - | 33 / 2.950 | 33 / 3.040 | 33 / 5.250 | 33 / 5.910 | 33 / 6.079 | 17 / 3.300 | 222 / 29.747 |
| Secondary Distribution - AF | - / - | 2 / 1.771 | 38 / 1.447 | 33 / 2.950 | - / - | 33 / 2.950 | 33 / 3.040 | 33 / 5.250 | 33 / 5.910 | 6 / 1.105 | - / - | - / - |
| Secondary Distribution - AFNG | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 26 / 4.790 | - / - | - / - |
| Secondary Distribution - AFR | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 1 / 0.184 | - / - | - / - |

UNCLASSIFIED

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3 | P-1 Line Item Number / Title: C01700 / C-17A | Modification Number / Title: 1508 / IFF GATM Mode 5 |

Modification Item 1 of 1: Mode 5

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Contractor Facility

Installation Schedule

| | PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | | FY 2016 | | | | FY 2017 | | | | FY 2018 | | | | FY 2019 | | | | TC | Tot |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|-----|----|-----|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | |
| In | 0 | 2 | - | - | - | 10 | 10 | 9 | 9 | 9 | 8 | 8 | 8 | 9 | 8 | 8 | 8 | 9 | 8 | 8 | 8 | 9 | 8 | 8 | 8 | 9 | 8 | 8 | 8 | 17 | 222 |
| Out | 0 | - | 2 | - | - | - | 10 | 10 | 9 | 9 | 9 | 8 | 8 | 8 | 9 | 8 | 8 | 8 | 9 | 8 | 8 | 8 | 8 | 9 | 8 | 8 | 8 | 25 | 222 | | |

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|---|--|--|--|--|--|--|-------------------------|--|--|--|--|--|
| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | Date: March 2014 | | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3 | | | | P-1 Line Item Number / Title: C01700 / C-17A | | | | Modification Number / Title: 2901 / NEXT GEN CNS/ATM | | | | |

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|---|--------------------|----------------|----------------|---------------------|---------------------|----------------------|----------------|----------------|----------------|----------------|--------------------|---------------|
| Procurement Quantity <i>(Units in Each)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost <i>(\$ in Millions)</i> | - | - | - | 7.575 | - | 7.575 | 16.906 | 22.964 | 2.423 | - | - | 49.868 |
| Less PY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) <i>(\$ in Millions)</i> | - | - | - | 7.575 | - | 7.575 | 16.906 | 22.964 | 2.423 | - | - | 49.868 |
| Plus CY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority <i>(\$ in Millions)</i> | - | - | - | 7.575 | - | 7.575 | 16.906 | 22.964 | 2.423 | - | - | 49.868 |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> | | | | | | | | | | | | |
| Initial Spares <i>(\$ in Millions)</i> | - | - | - | - | - | - | 1.190 | 1.150 | 0.480 | 0.280 | - | 3.100 |
| Gross/Weapon System Unit Cost <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

This modification will be executed in two phases. These phases will provide for the following capabilities:

Phase I - Surveillance Enhancements (FY12-FY20) will integrate an improved surveillance capability to meet new requirements for global civil airspace access and for safe operations in military-controlled airspace. This project will provide Automatic Dependent Surveillance - Broadcast (ADS-B) Out capability to meet mandated civil airspace requirements for 106 aircraft.

Phase II - Communication Enhancements (FY14-FY20) will upgrade the existing ARC-210 radios to comply with new crypto requirements needed to ensure secure communications. Additionally, enhancements to beyond line of sight secure communications will improve connectivity with AF command centers in austere environments. This phase will modify 119 aircraft.

The remaining USAF aircraft fleet (up to the total fleet quantity of 222) will receive these capabilities in conjunction with the Mode 5 Plus depot level retrofit program.

The C-17 budget includes funds for the procurement of Diminishing Manufacturing Sources (DMS).

The production retrofit portion of this program is an FY15 New Start.

Projected allocations by component subject to total force mission priorities and aircraft availability. This modification effort is part of the C-17 Communication and Navigation/Capability Mandate (CN/CM) Program on the Air Force Acquisition Master List (AML).

Milestone/Development Status

Development Complete

UNCLASSIFIED

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | Date: March 2014 |
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| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3 | P-1 Line Item Number / Title: C01700 / C-17A | Modification Number / Title: 2901 / NEXT GEN CNS/ATM |
|---|--|--|

| Secondary Distribution | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|-------------------------------|----------------|----------------|-------------------------|------------------------|--------------------------|----------------|----------------|----------------|----------------|
| AF | | | | | | | | | |
| Quantity | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority | - | - | 7.575 | - | 7.575 | 16.906 | 22.964 | 2.423 | - |
| Total: | | | | | | | | | |
| Secondary Distribution | | | | | | | | | |
| Quantity | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority | - | - | 7.575 | - | 7.575 | 16.906 | 22.964 | 2.423 | - |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | | | | Date: March 2014 | | | |
|---|--------------------------------|--------------------------------|--------------------------------|--|--|--------------------------------|--------------------------------|--|--------------------------------|--|--------------------------------|--------------------------------|--|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3 | | | | | P-1 Line Item Number / Title: C01700 / C-17A | | | | | Modification Number / Title: 2901 / NEXT GEN CNS/ATM | | | |
| Models of Systems Affected: C-17 | | | | Modification Type: Capability Improvement | | | | Related RDT&E PEs: 0401130F | | | | | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total | |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | |
| RDT&E PE # | | | | | | | | | | | | | |
| 0401130F | - / 0.237 | - / 11.714 | - / 24.380 | - / 27.834 | - / - | - / 27.834 | - / 15.045 | - / 1.840 | - / - | - / - | - / - | - / 81.050 | |
| Procurement | | | | | | | | | | | | | |
| Modification Item 1 of 2: CNS/ATMPhase 1 | | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| CNS/ATMPhase 1:INSTALL KITS Group A (Active) | - / - | - / - | - / - | 2 / 1.310 | - / - | 2 / 1.310 | 52 / 10.970 | 52 / 11.299 | - / - | - / - | - / - | 106 / 23.579 | |
| <i>Subtotal: Recurring</i> | - / - | - / - | - / - | - / 1.310 | - / - | - / 1.310 | - / 10.970 | - / 11.299 | - / - | - / - | - / - | - / 23.579 | |
| <i>Subtotal: CNS/ATMPhase 1</i> | - / - | - / - | - / - | - / 1.310 | - / - | - / 1.310 | - / 10.970 | - / 11.299 | - / - | - / - | - / - | - / 23.579 | |
| Modification Item 2 of 2: CNS/ATMPhase 2 | | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| CNS/ATMPhase 2:INSTALL KITS Group A (Active) | - / - | - / - | - / - | - / - | - / - | - / - | 54 / 0.719 | 52 / 8.322 | 13 / - | - / - | - / - | 119 / 9.041 | |
| <i>Subtotal: Recurring</i> | - / - | - / - | - / - | - / - | - / - | - / - | - / 0.719 | - / 8.322 | - / - | - / - | - / - | - / 9.041 | |
| <i>Subtotal: CNS/ATMPhase 2</i> | - / - | - / - | - / - | - / - | - / - | - / - | - / 0.719 | - / 8.322 | - / - | - / - | - / - | - / 9.041 | |
| <i>Subtotal: Procurement, All Modification Items</i> | - / - | - / - | - / - | - / 1.310 | - / - | - / 1.310 | - / 11.689 | - / 19.621 | - / - | - / - | - / - | - / 32.620 | |
| Support (All Modification Items) | | | | | | | | | | | | | |
| SIM/TRAINER | - / - | - / - | - / - | - / 5.876 | - / - | - / 5.876 | - / - | - / - | - / - | - / - | - / - | - / 5.876 | |
| PMA - Contractor Services | - / - | - / - | - / - | - / 0.389 | - / - | - / 0.389 | - / 1.747 | - / 1.973 | - / 0.396 | - / - | - / - | - / 4.505 | |
| <i>Subtotal: Support</i> | - / - | - / - | - / - | - / 6.265 | - / - | - / 6.265 | - / 1.747 | - / 1.973 | - / 0.396 | - / - | - / - | - / 10.381 | |
| Installation | | | | | | | | | | | | | |
| Modification Item 1 of 2: CNS/ATMPhase 1 | - / - | - / - | - / - | - / - | - / - | - / - | 2 / 3.470 | 52 / 1.370 | 52 / 2.027 | - / - | - / - | 106 / 6.867 | |
| Modification Item 2 of 2: CNS/ATMPhase 2 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 54 / - | 52 / - | 13 / - | - / - | 119 / - | |
| <i>Subtotal: Installation</i> | - / - | - / - | - / - | - / - | - / - | - / - | 2 / 3.470 | 106 / 1.370 | 104 / 2.027 | 13 / - | - / - | 225 / 6.867 | |
| Total | | | | | | | | | | | | | |
| Total Cost (Procurement + Support + Installation) | - | - | - | 7.575 | - | 7.575 | 16.906 | 22.964 | 2.423 | - | - | 49.868 | |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | Date: March 2014 | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3 | | | P-1 Line Item Number / Title: C01700 / C-17A | | | Modification Number / Title: 2901 / NEXT GEN CNS/ATM | | | | |
| Models of Systems Affected: | | Modification Type: Capability Improvement | | Related RDT&E PEs: 0401130F | | | | | | |
| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
| | | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Procurement | | | | | | | | | | |
| Modification Item 1 of 2: CNS/ATMPhase 1 | | | | | | | | | | |
| AF | | - / - | - / - | - / 1.310 | - / - | - / 1.310 | - / 10.970 | - / 11.299 | - / - | - / - |
| <i>Subtotal: CNS/ATMPhase 1 Secondary Distribution</i> | | - / - | - / - | - / 1.310 | - / - | - / 1.310 | - / 10.970 | - / 11.299 | - / - | - / - |
| Modification Item 2 of 2: CNS/ATMPhase 2 | | | | | | | | | | |
| AF | | - / - | - / - | - / - | - / - | - / - | - / 0.719 | - / 8.322 | - / - | - / - |
| <i>Subtotal: CNS/ATMPhase 2 Secondary Distribution</i> | | - / - | - / - | - / - | - / - | - / - | - / 0.719 | - / 8.322 | - / - | - / - |
| <i>Subtotal: Procurement, All Modification Items</i> | | - / - | - / - | - / 1.310 | - / - | - / 1.310 | - / 11.689 | - / 19.621 | - / - | - / - |
| Support | | | | | | | | | | |
| AF | | - / - | - / - | - / 6.265 | - / - | - / 6.265 | - / 1.747 | - / 1.973 | - / 0.396 | - / - |
| <i>Subtotal: Support</i> | | - / - | - / - | - / 6.265 | - / - | - / 6.265 | - / 1.747 | - / 1.973 | - / 0.396 | - / - |
| Installation | | | | | | | | | | |
| Modification Item 1 of 2: CNS/ATMPhase 1 | | | | | | | | | | |
| Contractor Facility | | | | | | | | | | |
| AF | | - / - | - / - | - / - | - / - | - / - | 2 / 3.470 | 52 / 1.370 | 52 / 2.027 | - / - |
| <i>Subtotal: Contractor Facility</i> | | - / - | - / - | - / - | - / - | - / - | 2 / 3.470 | 52 / 1.370 | 52 / 2.027 | - / - |
| <i>Subtotal: CNS/ATMPhase 1</i> | | - / - | - / - | - / - | - / - | - / - | 2 / 3.470 | 52 / 1.370 | 52 / 2.027 | - / - |
| Modification Item 2 of 2: CNS/ATMPhase 2 | | | | | | | | | | |
| Contractor Facility | | | | | | | | | | |
| AF | | - / - | - / - | - / - | - / - | - / - | - / - | 54 / - | 52 / - | 13 / - |
| <i>Subtotal: Contractor Facility</i> | | - / - | - / - | - / - | - / - | - / - | - / - | 54 / - | 52 / - | 13 / - |
| <i>Subtotal: CNS/ATMPhase 2</i> | | - / - | - / - | - / - | - / - | - / - | - / - | 54 / - | 52 / - | 13 / - |
| <i>Subtotal: Installation</i> | | - / - | - / - | - / - | - / - | - / - | 2 / 3.470 | 106 / 1.370 | 104 / 2.027 | 13 / - |
| Total | | | | | | | | | | |
| Total: Secondary Distribution, All Modification Items | | - / - | - / - | - / 17.575 | - / - | - / 17.575 | - / 16.906 | - / 22.964 | - / 2.423 | - / - |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3 | P-1 Line Item Number / Title: C01700 / C-17A | Modification Number / Title: 2901 / NEXT GEN CNS/ATM |

Modification Item 1 of 2: CNS/ATMPhase 1

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: The Boeing Company Manufacturer Location: Long Beach, CA

Administrative Leadtime (in Months): 0 Production Leadtime (in Months): 12

| Dates | FY 2013 | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|----------------|---------|---------|----------|----------|----------|----------|---------|
| Contract Dates | | | Oct 2014 | Oct 2015 | Oct 2016 | Oct 2017 | |
| Delivery Dates | | | Oct 2015 | Oct 2016 | Oct 2017 | Oct 2018 | |

Installation Information

Method of Implementation: Contractor Facility

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|-----------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2013 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - | 2 / 3.470 | - / - | - / - | - / - | - / - | 2 / 3.470 |
| Secondary Distribution - AF | - / - | - / - | - / - | - / - | - / - | - / - | 2 / 3.470 | - / - | - / - | - / - | - / - | - / - |
| FY 2016 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 52 / 1.370 | - / - | - / - | - / - | 52 / 1.370 |
| Secondary Distribution - AF | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 52 / 1.370 | - / - | - / - | - / - | - / - |
| FY 2017 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 52 / 2.027 | - / - | - / - | 52 / 2.027 |
| Secondary Distribution - AF | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 52 / 2.027 | - / - | - / - | - / - |
| FY 2018 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2019 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| To Complete | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | - / - | - / - | - / - | - / - | - / - | - / - | 2 / 3.470 | 52 / 1.370 | 52 / 2.027 | - / - | - / - | 106 / 6.867 |
| Secondary Distribution - AF | - / - | - / - | - / - | - / - | - / - | - / - | 2 / 3.470 | 52 / 1.370 | 52 / 2.027 | - / - | - / - | - / - |

Installation Schedule

| | PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | | FY 2016 | | | | FY 2017 | | | | FY 2018 | | | | FY 2019 | | | | TC | Tot | |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|-----|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | | |
| In | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | - | - | - | - | - | - | 106 |
| Out | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | - | - | - | - | - | 106 |

UNCLASSIFIED

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3 | P-1 Line Item Number / Title: C01700 / C-17A | Modification Number / Title: 2901 / NEXT GEN CNS/ATM |

Modification Item 2 of 2: CNS/ATMPhase 2

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: The Boeing Co Manufacturer Location: Long Beach, Ca

Administrative Leadtime (in Months): 0 Production Leadtime (in Months): 12

| Dates | FY 2013 | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|----------------|---------|---------|----------|----------|----------|----------|---------|
| Contract Dates | | | Oct 2014 | Oct 2015 | Oct 2016 | Oct 2017 | |
| Delivery Dates | | | Oct 2015 | Oct 2016 | Oct 2017 | Oct 2018 | |

Installation Information

Method of Implementation: Contractor Facility

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|-----------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2013 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2016 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 54 / - | - / - | - / - | - / - | 54 / - |
| Secondary Distribution - AF | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 54 / - | - / - | - / - | - / - | - / - |
| FY 2017 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 52 / - | - / - | - / - | 52 / - |
| Secondary Distribution - AF | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 52 / - | - / - | - / - | - / - |
| FY 2018 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 13 / - | - / - | 13 / - |
| Secondary Distribution - AF | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 13 / - | - / - | - / - |
| FY 2019 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| To Complete | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 54 / - | 52 / - | 13 / - | - / - | 119 / - |
| Secondary Distribution - AF | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 54 / - | 52 / - | 13 / - | - / - | - / - |

Installation Schedule

| | PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | | FY 2016 | | | | FY 2017 | | | | FY 2018 | | | | FY 2019 | | | | TC | Tot |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | |
| In | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 13 | 13 | 13 | 15 | 13 | 13 | 13 | 13 | 3 | 3 | 3 | 4 | - | 119 |
| Out | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 13 | 13 | 13 | 15 | 13 | 13 | 13 | 13 | 3 | 3 | 3 | 4 | 119 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | Date: March 2014 | | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3 | | | | P-1 Line Item Number / Title: C01700 / C-17A | | | | Modification Number / Title: 6402 / OBIGGS II | | | | |

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|---|--------------------|----------------|----------------|---------------------|---------------------|----------------------|----------------|----------------|----------------|----------------|--------------------|----------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 75.813 | - | 11.219 | 13.170 | - | 13.170 | 20.852 | 20.876 | 38.197 | 50.823 | 229.626 | 460.576 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (<i>\$ in Millions</i>) | 75.813 | - | 11.219 | 13.170 | - | 13.170 | 20.852 | 20.876 | 38.197 | 50.823 | 229.626 | 460.576 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 75.813 | - | 11.219 | 13.170 | - | 13.170 | 20.852 | 20.876 | 38.197 | 50.823 | 229.626 | 460.576 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial Spares (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

This modification project adds the On Board Inert Gas Generating System (OBIGGS II) to 66 C-17 aircraft (P71-P72, P74-P137) already equipped with the Extended Range (ER) fuel system. Production cut-in of the OBIGGS II system began with P138.

OBIGGS II quickly and efficiently inerts gases in fuel tanks, preventing them from exploding if hit by enemy fire. Pilots activate the system with the push of a button, which pumps nitrogen-enriched air into the fuel tanks. The tanks are inerted in less than one hour, as compared to the four to eight hours previously needed. In addition, the new system cuts the aircraft's weight by almost 500 pounds.

The retrofit effort includes structural improvements to the wing and fuselage and changes to subsystems and software. This redesign significantly increases system effectiveness, utility and maintainability and reduces life cycle costs (LCC).

Installs are performed at Boeing Support Systems San Antonio (BSS-SA). All 66 installations of OBIGGS II are scheduled to be complete by CY23.

Funding may be used to alleviate Diminishing Manufacturing Sources (DMS) issues. Project allocations by component subject to total force mission priorities and aircraft availability. This modification effort is part of the C-17 Extended Range/On-Board Inert Gas Generation Program on the Air Force Acquisition Master List (AML).

Milestone/Development Status

Development complete

| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|-------------------------------|----------------------------|----------------|----------------|---------------------|--------------------|----------------------|----------------|----------------|----------------|----------------|
| AF | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | - | 11.219 | 13.170 | - | 13.170 | 20.852 | 20.876 | 38.197 | 50.823 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | Date: March 2014 |
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| | | |
|---|--|---|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3 | P-1 Line Item Number / Title: C01700 / C-17A | Modification Number / Title: 6402 / OBIGGS II |
|---|--|---|

| | Secondary Distribution | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|-------------------------------|-----------------------------------|---------|---------|-----------------|----------------|------------------|---------|---------|---------|---------|
| Total: | Quantity | - | - | - | - | - | - | - | - | - |
| Secondary Distribution | Total Obligation Authority | - | 11.219 | 13.170 | - | 13.170 | 20.852 | 20.876 | 38.197 | 50.823 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | | | | Date: March 2014 | | | |
|---|--------------------------------|--------------------------------|--------------------------------|--|--|--------------------------------|--------------------------------|--|--------------------------------|---|--------------------------------|--------------------------------|--|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3 | | | | | P-1 Line Item Number / Title: C01700 / C-17A | | | | | Modification Number / Title: 6402 / OBIGGS II | | | |
| Models of Systems Affected: C-17 | | | | Modification Type: Capability Improvement | | | | Related RDT&E PEs: 0401130F | | | | | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total | |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | |
| Procurement | | | | | | | | | | | | | |
| <i>Modification Item 1 of 1: OBIGGSII</i> | | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| OBIGGSII:INSTALL KITS Group A (Active) | 14 / 35.019 | - / - | 2 / 5.745 | 3 / 6.605 | - / - | 3 / 6.605 | 4 / 9.664 | 4 / 9.304 | 8 / 21.532 | 10 / 27.813 | 13 / 41.232 | 58 / 156.914 | |
| OBIGGSII:INSTALL KITS Group A (Guard) | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 8 / 26.509 | 8 / 26.509 | |
| <i>Subtotal: Recurring</i> | - / 35.019 | - / - | - / 5.745 | - / 6.605 | - / - | - / 6.605 | - / 9.664 | - / 9.304 | - / 21.532 | - / 27.813 | - / 67.741 | - / 183.423 | |
| <i>Subtotal: OBIGGSII</i> | - / 35.019 | - / - | - / 5.745 | - / 6.605 | - / - | - / 6.605 | - / 9.664 | - / 9.304 | - / 21.532 | - / 27.813 | - / 67.741 | - / 183.423 | |
| <i>Subtotal: Procurement, All Modification Items</i> | - / 35.019 | - / - | - / 5.745 | - / 6.605 | - / - | - / 6.605 | - / 9.664 | - / 9.304 | - / 21.532 | - / 27.813 | - / 67.741 | - / 183.423 | |
| Support (All Modification Items) | | | | | | | | | | | | | |
| GROUP A: TOTAL NONRECURRING | - / 14.203 | - / - | - / - | - / 10.248 | - / - | - / 10.248 | - / 12.607 | - / 10.263 | - / 10.271 | - / 5.418 | - / 6.575 | - / 29.585 | |
| PMA - Contractor Services | - / - | - / - | - / - | - / 10.820 | - / - | - / 10.820 | - / 13.051 | - / 13.306 | - / 12.744 | - / 14.264 | - / - | - / 12.185 | |
| OTHER GOVT | - / 10.010 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 10.010 | |
| <i>Subtotal: Support</i> | - / 14.213 | - / - | - / - | - / 11.068 | - / - | - / 11.068 | - / 15.658 | - / 11.569 | - / 13.015 | - / 9.682 | - / 6.575 | - / 41.780 | |
| Installation | | | | | | | | | | | | | |
| <i>Modification Item 1 of 1: OBIGGSII</i> | 10 / 26.581 | - / - | 2 / 5.474 | 2 / 5.497 | - / - | 2 / 5.497 | 2 / 5.530 | 3 / 10.003 | 4 / 13.650 | 4 / 13.328 | 39 / 155.310 | 66 / 235.373 | |
| <i>Subtotal: Installation</i> | 10 / 26.581 | - / - | 2 / 5.474 | 2 / 5.497 | - / - | 2 / 5.497 | 2 / 5.530 | 3 / 10.003 | 4 / 13.650 | 4 / 13.328 | 39 / 155.310 | 66 / 235.373 | |
| Total | | | | | | | | | | | | | |
| Total Cost (Procurement + Support + Installation) | 75.813 | - | 11.219 | 13.170 | - | 13.170 | 20.852 | 20.876 | 38.197 | 50.823 | 229.626 | 460.576 | |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | Date: March 2014 | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3 | | | | P-1 Line Item Number / Title: C01700 / C-17A | | | Modification Number / Title: 6402 / OBIGGS II | | | |
| Models of Systems Affected: | | Modification Type: Capability Improvement | | Related RDT&E PEs: 0401130F | | | | | | |
| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
| | | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Procurement | | | | | | | | | | |
| Modification Item 1 of 1: OBIGGSII | | | | | | | | | | |
| AF | | - / - | - / 5.745 | - / 6.605 | - / - | - / 6.605 | - / 9.664 | - / 9.304 | - / 21.532 | - / 27.813 |
| <i>Subtotal: OBIGGSII Secondary Distribution</i> | | - / - | - / 5.745 | - / 6.605 | - / - | - / 6.605 | - / 9.664 | - / 9.304 | - / 21.532 | - / 27.813 |
| <i>Subtotal: Procurement, All Modification Items</i> | | - / - | - / 5.745 | - / 6.605 | - / - | - / 6.605 | - / 9.664 | - / 9.304 | - / 21.532 | - / 27.813 |
| Support | | | | | | | | | | |
| AF | | - / - | - / - | - / 1.068 | - / - | - / 1.068 | - / 5.658 | - / 1.569 | - / 3.015 | - / 9.682 |
| <i>Subtotal: Support</i> | | - / - | - / - | - / 1.068 | - / - | - / 1.068 | - / 5.658 | - / 1.569 | - / 3.015 | - / 9.682 |
| Installation | | | | | | | | | | |
| Modification Item 1 of 1: OBIGGSII | | | | | | | | | | |
| Contractor Facility | | | | | | | | | | |
| AF | | - / - | 2 / 5.474 | 2 / 5.497 | - / - | 2 / 5.497 | 2 / 5.530 | 3 / 10.003 | 4 / 13.650 | 4 / 13.328 |
| <i>Subtotal: Contractor Facility</i> | | - / - | 2 / 5.474 | 2 / 5.497 | - / - | 2 / 5.497 | 2 / 5.530 | 3 / 10.003 | 4 / 13.650 | 4 / 13.328 |
| <i>Subtotal: OBIGGSII</i> | | - / - | 2 / 5.474 | 2 / 5.497 | - / - | 2 / 5.497 | 2 / 5.530 | 3 / 10.003 | 4 / 13.650 | 4 / 13.328 |
| <i>Subtotal: Installation</i> | | - / - | 2 / 5.474 | 2 / 5.497 | - / - | 2 / 5.497 | 2 / 5.530 | 3 / 10.003 | 4 / 13.650 | 4 / 13.328 |
| Total | | | | | | | | | | |
| Total: Secondary Distribution, All Modification Items | | - / - | - / 11.219 | - / 13.170 | - / - | - / 13.170 | - / 20.852 | - / 20.876 | - / 38.197 | - / 50.823 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3 | P-1 Line Item Number / Title: C01700 / C-17A | Modification Number / Title: 6402 / OBIGGS II |

Modification Item 1 of 1: OBIGGSII

Modification Item MDAP/MAIS Code:

Manufacturer Information

| | |
|--|---------------------------------------|
| Manufacturer Name: The Boeing Company | Manufacturer Location: Long Beach, CA |
| Administrative Leadtime (in Months): 0 | Production Leadtime (in Months): 24 |

| Dates | FY 2013 | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|----------------|---------|----------|----------|----------|----------|----------|----------|
| Contract Dates | | Mar 2014 | Mar 2015 | Mar 2016 | Mar 2017 | Mar 2018 | Mar 2019 |
| Delivery Dates | | Mar 2016 | Mar 2017 | Mar 2018 | Mar 2019 | Mar 2020 | Mar 2021 |

Installation Information

Method of Implementation: Contractor Facility

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|-----------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | 10 / 26.581 | - / - | 2 / 5.474 | 2 / 5.497 | - / - | 2 / 5.497 | - / - | - / - | - / - | - / - | - / - | 14 / 37.552 |
| Secondary Distribution - AF | - / - | - / - | 2 / 5.474 | 2 / 5.497 | - / - | 2 / 5.497 | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2013 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | - / - | - / - | - / - | - / - | 2 / 5.530 | - / - | - / - | - / - | - / - | 2 / 5.530 |
| Secondary Distribution - AF | - / - | - / - | - / - | - / - | - / - | - / - | 2 / 5.530 | - / - | - / - | - / - | - / - | - / - |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 3 / 10.003 | - / - | - / - | - / - | 3 / 10.003 |
| Secondary Distribution - AF | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 3 / 10.003 | - / - | - / - | - / - | - / - |
| FY 2016 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 4 / 13.650 | - / - | - / - | 4 / 13.650 |
| Secondary Distribution - AF | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 4 / 13.650 | - / - | - / - | - / - |
| FY 2017 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 4 / 13.328 | - / - | 4 / 13.328 |
| Secondary Distribution - AF | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 4 / 13.328 | - / - | - / - |
| FY 2018 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 8 / 31.889 | 8 / 31.889 |
| FY 2019 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 10 / 39.806 | 10 / 39.806 |
| To Complete | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 21 / 83.615 | 21 / 83.615 |
| Total | 10 / 26.581 | - / - | 2 / 5.474 | 2 / 5.497 | - / - | 2 / 5.497 | 2 / 5.530 | 3 / 10.003 | 4 / 13.650 | 4 / 13.328 | 39 / 155.310 | 66 / 235.373 |
| Secondary Distribution - AF | - / - | - / - | 2 / 5.474 | 2 / 5.497 | - / - | 2 / 5.497 | 2 / 5.530 | 3 / 10.003 | 4 / 13.650 | 4 / 13.328 | - / - | - / - |

Installation Schedule

| PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | | FY 2016 | | | | FY 2017 | | | | FY 2018 | | | | FY 2019 | | | | TC | Tot | |
|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|----|
| | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | | |
| In | 10 | - | - | - | - | 1 | - | 1 | - | 1 | - | 1 | - | 1 | - | 1 | - | 1 | 1 | 1 | - | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 39 | 66 |
| Out | 10 | - | - | - | - | - | 1 | - | 1 | - | 1 | - | 1 | - | 1 | - | 1 | - | 1 | 1 | 1 | - | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 40 | 66 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | Date: March 2014 | | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3 | | | | P-1 Line Item Number / Title: C01700 / C-17A | | | Modification Number / Title: 9739 / ILS Identification and Flight Control Computer Updates | | | | | |

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|---|--------------------|----------------|----------------|---------------------|---------------------|----------------------|----------------|----------------|----------------|----------------|--------------------|---------------|
| Procurement Quantity (Units in Each) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (\$ in Millions) | 1.547 | 5.467 | 3.824 | 6.663 | - | 6.663 | 4.559 | 4.915 | 3.591 | - | - | 30.566 |
| Less PY Advance Procurement (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (\$ in Millions) | 1.547 | 5.467 | 3.824 | 6.663 | - | 6.663 | 4.559 | 4.915 | 3.591 | - | - | 30.566 |
| Plus CY Advance Procurement (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (\$ in Millions) | 1.547 | 5.467 | 3.824 | 6.663 | - | 6.663 | 4.559 | 4.915 | 3.591 | - | - | 30.566 |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> | | | | | | | | | | | | |
| Initial Spares (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

This task corrects the aircraft deficiency that precludes the crew from positively identifying the Morse Code identifiers broadcast by Instrument Landing System/Microwave Landing System (ILS/MLS) ground stations. Also, the required software changes in the legacy & modernized Flight Control Computers (FCCs) for the Vertical Navigation capability (Baro-VNAV) will be included in the Block 19 FCCs as deactivated code; this code will be verified and activated in a future project. The Precision Landing System Receiver (PLSR) modification is a hardware change to provide the required audio signal to an existing connector pin that is currently unused. ILS kits and installs will be accomplished on 56 aircraft in conjunction with the Block 13 to 17 retrofit. ILS is scheduled to complete all 166 installs by FY19. The C-17 Budget includes funds for the procurement of Diminishing Manufacturing Sources (DMS). Projected Allocations by Component subject to Total Force mission priorities and aircraft availability. This modification effort is part of the C-17 Common Configuration Program on the Air Force Acquisition Master List (AML).

Milestone/Development Status

Development Complete

| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|--------------------------------------|----------------------------|----------------|----------------|---------------------|--------------------|----------------------|----------------|----------------|----------------|----------------|
| AF | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 5.467 | 3.824 | 6.663 | - | 6.663 | 4.559 | 4.915 | 3.591 | - |
| Total: Secondary Distribution | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 5.467 | 3.824 | 6.663 | - | 6.663 | 4.559 | 4.915 | 3.591 | - |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | | | | Date: March 2014 | | | |
|---|--------------------------------|--------------------------------|--------------------------------|--|--|--------------------------------|--------------------------------|--|--------------------------------|--|--------------------------------|--------------------------------|--|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3 | | | | | P-1 Line Item Number / Title: C01700 / C-17A | | | | | Modification Number / Title: 9739 / ILS Identification and Flight Control Computer Updates | | | |
| Models of Systems Affected: C-17 | | | | Modification Type: Capability Improvement | | | | Related RDT&E PEs: 0401130F | | | | | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total | |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | |
| RDT&E PE # | | | | | | | | | | | | | |
| 0401130F | - / 27.889 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 27.889 | |
| Procurement | | | | | | | | | | | | | |
| <i>Modification Item 1 of 1: ILS ID</i> | | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| ILS ID:INSTALL KITS Group A (Active) | 2 / 1.429 | 38 / 4.226 | 160 / 3.824 | 54 / 4.553 | - / - | 54 / 4.553 | 83 / 3.302 | 34 / 3.302 | - / - | - / - | - / - | 371 / 20.636 | |
| <i>Subtotal: Recurring</i> | - / 1.429 | - / 4.226 | - / 3.824 | - / 4.553 | - / - | - / 4.553 | - / 3.302 | - / 3.302 | - / - | - / - | - / - | - / 20.636 | |
| <i>Subtotal: ILS ID</i> | - / 1.429 | - / 4.226 | - / 3.824 | - / 4.553 | - / - | - / 4.553 | - / 3.302 | - / 3.302 | - / - | - / - | - / - | - / 20.636 | |
| <i>Subtotal: Procurement, All Modification Items</i> | - / 1.429 | - / 4.226 | - / 3.824 | - / 4.553 | - / - | - / 4.553 | - / 3.302 | - / 3.302 | - / - | - / - | - / - | - / 20.636 | |
| Support (All Modification Items) | | | | | | | | | | | | | |
| Change Orders | - / - | - / - | - / - | - / 0.307 | - / - | - / 0.307 | - / 0.205 | - / 0.219 | - / 0.171 | - / - | - / - | - / 0.902 | |
| SIM/TRAINER | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 2.702 | - / - | - / - | - / 2.702 | |
| Mod of Spares | - / - | 20 / 1.112 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 20 / 1.112 | |
| OTHER GOVT | - / 0.118 | - / 0.129 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 0.247 | |
| PMA - Contractor Services | - / - | - / - | - / - | - / 0.215 | - / - | - / 0.215 | - / 0.251 | - / 0.302 | - / - | - / - | - / - | - / 0.768 | |
| <i>Subtotal: Support</i> | - / 0.118 | 20 / 1.241 | - / - | - / 0.522 | - / - | - / 0.522 | - / 0.456 | - / 0.521 | - / 2.873 | - / - | - / - | 20 / 5.731 | |
| Installation | | | | | | | | | | | | | |
| <i>Modification Item 1 of 1: ILS ID</i> | - / - | 2 / - | 38 / - | 160 / 1.588 | - / - | 160 / 1.588 | 54 / 0.801 | 83 / 1.092 | 34 / 0.718 | - / - | - / - | 371 / 4.199 | |
| <i>Subtotal: Installation</i> | - / - | 2 / - | 38 / - | 160 / 1.588 | - / - | 160 / 1.588 | 54 / 0.801 | 83 / 1.092 | 34 / 0.718 | - / - | - / - | 371 / 4.199 | |
| Total | | | | | | | | | | | | | |
| Total Cost (Procurement + Support + Installation) | 1.547 | 5.467 | 3.824 | 6.663 | - | 6.663 | 4.559 | 4.915 | 3.591 | - | - | 30.566 | |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | Date: March 2014 | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3 | | | P-1 Line Item Number / Title: C01700 / C-17A | | | | Modification Number / Title: 9739 / ILS Identification and Flight Control Computer Updates | | | |
| Models of Systems Affected: | | Modification Type: Capability Improvement | | Related RDT&E PEs: 0401130F | | | | | | |
| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
| | | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Procurement | | | | | | | | | | |
| Modification Item 1 of 1: ILS ID | | | | | | | | | | |
| AF | | - / 4.226 | - / 3.824 | - / 4.553 | - / - | - / 4.553 | - / 3.302 | - / 3.302 | - / - | - / - |
| <i>Subtotal: ILS ID Secondary Distribution</i> | | - / 4.226 | - / 3.824 | - / 4.553 | - / - | - / 4.553 | - / 3.302 | - / 3.302 | - / - | - / - |
| <i>Subtotal: Procurement, All Modification Items</i> | | - / 4.226 | - / 3.824 | - / 4.553 | - / - | - / 4.553 | - / 3.302 | - / 3.302 | - / - | - / - |
| Support | | | | | | | | | | |
| AF | | 20 / 1.241 | - / - | - / 0.522 | - / - | - / 0.522 | - / 0.456 | - / 0.521 | - / 2.873 | - / - |
| <i>Subtotal: Support</i> | | 20 / 1.241 | - / - | - / 0.522 | - / - | - / 0.522 | - / 0.456 | - / 0.521 | - / 2.873 | - / - |
| Installation | | | | | | | | | | |
| Modification Item 1 of 1: ILS ID | | | | | | | | | | |
| Contractor Facility | | | | | | | | | | |
| AF | | 2 / - | 38 / - | 160 / 1.588 | - / - | 160 / 1.588 | 54 / 0.801 | 83 / 1.092 | 34 / 0.718 | - / - |
| <i>Subtotal: Contractor Facility</i> | | 2 / - | 38 / - | 160 / 1.588 | - / - | 160 / 1.588 | 54 / 0.801 | 83 / 1.092 | 34 / 0.718 | - / - |
| <i>Subtotal: ILS ID</i> | | 2 / - | 38 / - | 160 / 1.588 | - / - | 160 / 1.588 | 54 / 0.801 | 83 / 1.092 | 34 / 0.718 | - / - |
| <i>Subtotal: Installation</i> | | 2 / - | 38 / - | 160 / 1.588 | - / - | 160 / 1.588 | 54 / 0.801 | 83 / 1.092 | 34 / 0.718 | - / - |
| Total | | | | | | | | | | |
| Total: Secondary Distribution, All Modification Items | | - / 5.467 | - / 3.824 | - / 6.663 | - / - | - / 6.663 | - / 4.559 | - / 4.915 | - / 3.591 | - / - |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3 | P-1 Line Item Number / Title: C01700 / C-17A | Modification Number / Title: 9739 / ILS Identification and Flight Control Computer Updates |

Modification Item 1 of 1: ILS ID

Modification Item MDAP/MAIS Code:

Manufacturer Information

| | |
|--|---------------------------------------|
| Manufacturer Name: The Boeing Company | Manufacturer Location: Long Beach, Ca |
| Administrative Leadtime (in Months): 0 | Production Leadtime (in Months): 12 |

| Dates | FY 2013 | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|----------------|----------|----------|----------|----------|----------|---------|---------|
| Contract Dates | Nov 2012 | Nov 2013 | Nov 2014 | Nov 2015 | Nov 2016 | | |
| Delivery Dates | Nov 2013 | Nov 2014 | Nov 2015 | Nov 2016 | Nov 2017 | | |

Installation Information

Method of Implementation: Contractor Facility

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|-----------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | - / - | 2 / 0.000 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 2 / 0.000 |
| Secondary Distribution - AF | - / - | 2 / 0.000 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2013 | - / - | - / - | 38 / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 38 / - |
| Secondary Distribution - AF | - / - | - / - | 38 / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | - / - | 160 / 1.588 | - / - | 160 / 1.588 | - / - | - / - | - / - | - / - | - / - | 160 / 1.588 |
| Secondary Distribution - AF | - / - | - / - | - / - | 160 / 1.588 | - / - | 160 / 1.588 | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - | 54 / 0.801 | - / - | - / - | - / - | - / - | 54 / 0.801 |
| Secondary Distribution - AF | - / - | - / - | - / - | - / - | - / - | - / - | 54 / 0.801 | - / - | - / - | - / - | - / - | - / - |
| FY 2016 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 83 / 1.092 | - / - | - / - | - / - | 83 / 1.092 |
| Secondary Distribution - AF | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 83 / 1.092 | - / - | - / - | - / - | - / - |
| FY 2017 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 34 / 0.718 | - / - | - / - | 34 / 0.718 |
| Secondary Distribution - AF | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 34 / 0.718 | - / - | - / - | - / - |
| FY 2018 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2019 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| To Complete | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | - / - | 2 / - | 38 / - | 160 / 1.588 | - / - | 160 / 1.588 | 54 / 0.801 | 83 / 1.092 | 34 / 0.718 | - / - | - / - | 371 / 4.199 |
| Secondary Distribution - AF | - / - | 2 / - | 38 / - | 160 / 1.588 | - / - | 160 / 1.588 | 54 / 0.801 | 83 / 1.092 | 34 / 0.718 | - / - | - / - | - / - |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3 | P-1 Line Item Number / Title: C01700 / C-17A | Modification Number / Title: 9739 / ILS Identification and Flight Control Computer Updates |

Modification Item 1 of 1: ILS ID

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Contractor Facility

Installation Schedule

| | PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | | FY 2016 | | | | FY 2017 | | | | FY 2018 | | | | FY 2019 | | | | TC | Tot |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | |
| In | 0 | - | - | 2 | - | 10 | 10 | 9 | 9 | 40 | 40 | 40 | 40 | 14 | 14 | 13 | 13 | 21 | 21 | 21 | 20 | 9 | 9 | 8 | 8 | - | - | - | - | - | 371 |
| Out | 0 | - | - | 2 | - | 10 | 10 | 9 | 9 | 40 | 40 | 40 | 40 | 14 | 14 | 13 | 13 | 21 | 21 | 21 | 20 | 9 | 9 | 8 | 8 | - | - | - | - | - | 371 |

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft

P-1 Line Item Number / Title:
C02100 / C-21

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0401314F **Other Related Program Elements:** 0401314F

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|--|--------------------------------------|--------------|--------------|--------------|--------------|---------------|--------------|--------------|--------------|--------------|-------------|--------------|
| | Procurement Quantity (Units in Each) | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (\$ in Millions) | 3.045 | 0.199 | 0.103 | 0.264 | - | 0.264 | 0.245 | 0.209 | 0.214 | 0.218 | - | 4.497 |
| Less PY Advance Procurement (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (\$ in Millions) | 3.045 | 0.199 | 0.103 | 0.264 | - | 0.264 | 0.245 | 0.209 | 0.214 | 0.218 | - | 4.497 |
| Plus CY Advance Procurement (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (\$ in Millions) | 3.045 | 0.199 | 0.103 | 0.264 | - | 0.264 | 0.245 | 0.209 | 0.214 | 0.218 | - | 4.497 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial Spares (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Flyaway Unit Cost (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

This line item funds low-cost modifications and service bulletins for 17 C-21A aircraft, commercial equivalent to the Learjet 35. The C-21A aircraft is a twin-turbofan engine aircraft used for cargo and passenger airlift over medium ranges. The aircraft has a designed service life of 20,000 hours with an average of 4,000 hours remaining. Service bulletins and low cost modifications are necessary for continuing Federal Aviation Administration certification while improving flight safety, reliability, and maintainability.

Funding for this exhibit contained in PE 0401314F.

| Exhibits Schedule | | Prior Years | | | FY 2013 | | | FY 2014 | | | FY 2015 Base | | | FY 2015 OCO | | | FY 2015 Total | | | |
|---------------------------------------|----------|-------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|
| Title* | Exhibits | ID CD | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 1 / SERVICE BULLETINS | P-40a*** | | - | - | 1.218 | - | - | 0.108 | - | - | 0.100 | - | - | 0.154 | - | - | - | - | - | 0.154 |
| Item - 2 / LOW COST MODIFICATIONS | P-40a*** | | - | - | 1.827 | - | - | 0.091 | - | - | 0.003 | - | - | 0.110 | - | - | - | - | - | 0.110 |
| Total Gross/Weapon System Cost | | | - | - | 3.045 | - | - | 0.199 | - | - | 0.103 | - | - | 0.264 | - | - | - | - | - | 0.264 |

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

*For Items, Title represents the Item Number / Title [DODIC].

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

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| Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft | | P-1 Line Item Number / Title: C02100 / C-21 |
| ID Code (A=Service Ready, B=Not Service Ready) : | Program Elements for Code B Items: 0401314F | Other Related Program Elements: 0401314F |

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft

P-1 Line Item Number / Title:
C03200 / C-32A

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0401314F **Other Related Program Elements:** 0401314F, 0401845F

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|--|--------------|--------------|--------------|--------------|--------------|---------------|---------------|---------------|---------------|--------------|-------------|---------------|
| Procurement Quantity (Units in Each) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (\$ in Millions) | 8.436 | 1.709 | 8.205 | 8.767 | - | 8.767 | 25.830 | 24.863 | 10.899 | 1.934 | - | 90.643 |
| Less PY Advance Procurement (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (\$ in Millions) | 8.436 | 1.709 | 8.205 | 8.767 | - | 8.767 | 25.830 | 24.863 | 10.899 | 1.934 | - | 90.643 |
| Plus CY Advance Procurement (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (\$ in Millions) | 8.436 | 1.709 | 8.205 | 8.767 | - | 8.767 | 25.830 | 24.863 | 10.899 | 1.934 | - | 90.643 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial Spares (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Flyaway Unit Cost (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

This line item funds all aircraft modifications for 4 C-32A aircraft, a commercial derivative of the Boeing 757-200. The C-32A is a twin-engine, turbofan aircraft used to transport high ranking government officials worldwide. The design service life is 30 years with an average of 16 years remaining.

Service bulletins and low cost modifications are necessary for continuing Federal Aviation Administration certification while improving flight safety, reliability, and maintainability.

The C-32A Nitrogen Generation System mod will supply nitrogen enriched air to all fuselage fuel tanks to reduce the risk of vapor explosion and comply with FAA mandates.

The C-32A Senior Leader Commercial Wideband SATCOM mod is an FY15 New Start.

Funding for this exhibit is contained in PE 0401314F.

| Exhibits Schedule | | Prior Years | | | FY 2013 | | | FY 2014 | | | FY 2015 Base | | | FY 2015 OCO | | | FY 2015 Total | | | |
|---------------------------------------|----------|-------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|
| Title* | Exhibits | ID CD | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 1 / Nitrogen Generation System | P-40a*** | | - | - | 0.000 | - | - | - | - | - | 6.425 | - | - | 2.971 | - | - | - | - | - | 2.971 |
| Item - 2 / SERVICE BULLETINS | P-40a*** | | - | - | 0.272 | - | - | 0.005 | - | - | 0.005 | - | - | 0.005 | - | - | - | - | - | 0.005 |

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft

P-1 Line Item Number / Title:
C03200 / C-32A

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0401314F **Other Related Program Elements:** 0401314F, 0401845F

| Exhibits Schedule | | ID CD | Prior Years | | | FY 2013 | | | FY 2014 | | | FY 2015 Base | | | FY 2015 OCO | | | FY 2015 Total | | |
|---------------------------------------|----------|----------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|
| Title* | Exhibits | | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 3 / SERVICE BULLETINS - ANG | P-40a*** | | - | - | 4.161 | - | - | 0.892 | - | - | 0.932 | - | - | 0.928 | - | - | - | - | - | 0.928 |
| Item - 4 / LOW COST MODIFICATIONS | P-40a*** | | - | - | 0.062 | - | - | 0.005 | - | - | 0.005 | - | - | 0.005 | - | - | - | - | - | 0.005 |
| Item - 5 / LOW COST MODS - ANG | P-40a*** | | - | - | 3.941 | - | - | 0.807 | - | - | 0.838 | - | - | 0.858 | - | - | - | - | - | 0.858 |
| P-3a - 1116 / WIDEBAND SATCOM | P-3a | | - | - | - | - | - | - | - | - | - | - | - | 4.000 | - | - | - | - | - | 4.000 |
| Total Gross/Weapon System Cost | | | - | - | 8.436 | - | - | 1.709 | - | - | 8.205 | - | - | 8.767 | - | - | - | - | - | 8.767 |

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

*For Items, Title represents the Item Number / Title [DODIC]. For the P-3a, Title represents the Modification Number / Title.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | Date: March 2014 |
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| | | |
|---|--|---|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3 | P-1 Line Item Number / Title: C03200 / C-32A | Modification Number / Title: 1116 / WIDEBAND SATCOM |
|---|--|---|

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO [#] | FY 2015 Total |
|---|-------------|---------|---------|--------------|--------------------------|---------------|
| Procurement Quantity <i>(Units in Each)</i> | - | - | - | - | - | - |
| Gross/Weapon System Cost <i>(\$ in Millions)</i> | - | - | - | 4.000 | - | 4.000 |
| Less PY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - |
| Net Procurement (P1) <i>(\$ in Millions)</i> | - | - | - | 4.000 | - | 4.000 |
| Plus CY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - |
| Total Obligation Authority <i>(\$ in Millions)</i> | - | - | - | 4.000 | - | 4.000 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | |
|---|---|---|---|---|---|---|
| Initial Spares <i>(\$ in Millions)</i> | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost <i>(\$ in Millions)</i> | - | - | - | - | - | - |

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

This modification installs wide-band SATCOM communications infrastructure on Air Force C-32 aircraft. The C-32 is a commercial derivative of the Boeing 757-200 Extended Range Aircraft. Air Force C-32s maintain Federal Aviation Administration Certification.

This modification provides national senior leaders with the ability to execute business enterprise and Command and Control functions globally while airborne. It maintains senior leader access to TS/SCI voice/data/video networks (Crisis Management System/Joint Worldwide Intelligence Communications System) while airborne. If not installed, senior leaders will not be able to access NIPR, SIPR, and TS/SCI voice/data/video networks preventing them from being able to conduct time critical targeting of HVTs, as required, and crisis actions while airborne.

This is an FY15 New Start.

Milestone/Development Status

COTS item with NRE for integration

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|---|-----------------------------------|--|--|-----------------------------------|---|-----------------------------------|
| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | Date: March 2014 | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3 | | | P-1 Line Item Number / Title: C03200 / C-32A | | Modification Number / Title: 1116 / WIDEBAND SATCOM | |
| Models of Systems Affected: C-32A | | Modification Type: Capability Improvement | | | Related RDT&E PEs: 0401314F | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Procurement | | | | | | |
| <i>Modification Item 1 of 1: Wideband SATCOM</i> | | | | | | |
| B Kits | | | | | | |
| Recurring | | | | | | |
| Wideband SATCOM:EQUIPMENT Group B (Active) | | | | | | |
| | - / - | - / - | - / - | - / - | - / - | - / - |
| <i>Subtotal: Recurring</i> | | | | | | |
| | - / - | - / - | - / - | - / - | - / - | - / - |
| <i>Subtotal: Wideband SATCOM</i> | | | | | | |
| | - / - | - / - | - / - | - / - | - / - | - / - |
| <i>Subtotal: Procurement, All Modification Items</i> | | | | | | |
| | - / - | - / - | - / - | - / - | - / - | - / - |
| Support (All Modification Items) | | | | | | |
| GROUP A: TOTAL NONRECURRING | | | | | | |
| | - / - | - / - | - / - | - / 3.900 | - / - | - / 3.900 |
| PMA - Other Gov't Costs | | | | | | |
| | - / - | - / - | - / - | - / 0.100 | - / - | - / 0.100 |
| <i>Subtotal: Support</i> | | | | | | |
| | - / - | - / - | - / - | - / 4.000 | - / - | - / 4.000 |
| Installation | | | | | | |
| <i>Subtotal: Installation</i> | | | | | | |
| | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | | | | | | |
| Total Cost (Procurement + Support + Installation) | | | | | | |
| | - | - | - | 4.000 | - | 4.000 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3 | | P-1 Line Item Number / Title: C03200 / C-32A | |
| Modification Number / Title: 1116 / WIDEBAND SATCOM | | | |
| Modification Item 1 of 1: Wideband SATCOM | | | |
| Modification Item MDAP/MAIS Code: | | | |
| Manufacturer Information | | | |
| Manufacturer Name: Boeing | | Manufacturer Location: San Antonio, Texas | |
| Administrative Leadtime (<i>in Months</i>): 6 | | Production Leadtime (<i>in Months</i>): 3 | |
| Dates | FY 2013 | FY 2014 | FY 2015 |
| Contract Dates | | | |
| Delivery Dates | | | |
| Installation Information | | | |
| Method of Implementation (Organic): Org/Intermediate | | | Installation Quantity: 0 |
| | | | |

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft

P-1 Line Item Number / Title:
C03700 / C-37A

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0401314F **Other Related Program Elements:** 0401314F

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|--|--------------|--------------|--------------|---------------|--------------|---------------|---------------|---------------|--------------|--------------|-------------|---------------|
| Procurement Quantity (Units in Each) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (\$ in Millions) | 0.944 | 0.445 | 0.452 | 18.457 | - | 18.457 | 33.456 | 14.464 | 0.473 | 0.482 | - | 69.173 |
| Less PY Advance Procurement (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (\$ in Millions) | 0.944 | 0.445 | 0.452 | 18.457 | - | 18.457 | 33.456 | 14.464 | 0.473 | 0.482 | - | 69.173 |
| Plus CY Advance Procurement (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (\$ in Millions) | 0.944 | 0.445 | 0.452 | 18.457 | - | 18.457 | 33.456 | 14.464 | 0.473 | 0.482 | - | 69.173 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial Spares (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Flyaway Unit Cost (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

This line item funds modifications to 12 C-37A and C-37B aircraft, commercial equivalent Gulfstream 5 and Gulfstream 550. The C-37A/B is a twin-engine jet transport designed to transport high-ranking government officials worldwide. The designed service life is 40,000 hours with an average of 30,000 hours remaining.

Service bulletins and low cost modifications are necessary for continuing Federal Aviation Administration certification while improving flight safety, reliability, and maintainability.

The C-37A/B Senior Leader Commercial Wideband SATCOM mod is an FY15 New Start. This modification installs wide-band SATCOM communications infrastructure and replaces legacy VINSON/ANDVT devices on Air Force C-37 aircraft.

Funding for this exhibit is contained in PE 0401314F.

| Exhibits Schedule | | Prior Years | | | FY 2013 | | | FY 2014 | | | FY 2015 Base | | | FY 2015 OCO | | | FY 2015 Total | | | |
|-----------------------------------|----------|-------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|
| Title* | Exhibits | ID CD | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 1 / SERVICE BULLETINS | P-40a*** | | - | - | 0.289 | - | - | 0.285 | - | - | 0.100 | - | - | 0.100 | - | - | - | - | - | 0.100 |
| Item - 2 / LOW COST MODIFICATIONS | P-40a*** | | - | - | 0.655 | - | - | 0.160 | - | - | 0.352 | - | - | 0.357 | - | - | - | - | - | 0.357 |
| P-3a - 1117 / WIDEBAND SATCOM | P-3a | | - | - | - | - | - | - | - | - | - | - | - | 18.000 | - | - | - | - | - | 18.000 |

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft /
 BSA 3: Airlift Aircraft **P-1 Line Item Number / Title:**
 C03700 / C-37A

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0401314F **Other Related Program Elements:** 0401314F

| Exhibits Schedule | | ID CD | Prior Years | | | FY 2013 | | | FY 2014 | | | FY 2015 Base | | | FY 2015 OCO | | | FY 2015 Total | | |
|---------------------------------------|----------|----------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|
| Title* | Exhibits | | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Total Gross/Weapon System Cost | | | - | - | 0.944 | - | - | 0.445 | - | - | 0.452 | - | - | 18.457 | - | - | - | - | - | 18.457 |

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

*For Items, Title represents the Item Number / Title [DODIC]. For the P-3a, Title represents the Modification Number / Title.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 Where applicable, justification for individual modifications is provided in the P-3A exhibits.

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | Date: March 2014 | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3 | | P-1 Line Item Number / Title: C03700 / C-37A | | Modification Number / Title: 1117 / WIDEBAND SATCOM | | |

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total |
|---|--------------------|----------------|----------------|---------------------|---------------------|----------------------|
| Procurement Quantity <i>(Units in Each)</i> | - | - | - | - | - | - |
| Gross/Weapon System Cost <i>(\$ in Millions)</i> | - | - | - | 18.000 | - | 18.000 |
| Less PY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - |
| Net Procurement (P1) <i>(\$ in Millions)</i> | - | - | - | 18.000 | - | 18.000 |
| Plus CY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - |
| Total Obligation Authority <i>(\$ in Millions)</i> | - | - | - | 18.000 | - | 18.000 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | |
|---|---|---|---|---|---|---|
| Initial Spares <i>(\$ in Millions)</i> | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost <i>(\$ in Millions)</i> | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

This modification installs wide-band SATCOM communications infrastructure and replaces legacy VINSON/ANDVT devices on Air Force C-37 aircraft. The C-37 is a commercial equivalent Gulfstream 5 and Gulfstream 550. Air Force C-37s maintain Federal Aviation Administration Certification.

This modification provides national senior leaders with the ability to execute business enterprise and Command and Control functions globally while airborne. It maintains senior leader access to TS/SCI voice/data/video networks (Crisis Management System/Joint Worldwide Intelligence Communications System) while airborne. If not installed, senior leaders will not be able to access NIPR, SIPR, and TS/SCI voice/data/video networks preventing them from being able to conduct time critical targeting of HVTs, as required, and crisis actions while airborne.

This is an FY15 New Start.

Milestone/Development Status

COTS item with NRE for integration

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | Date: March 2014 | |
|---|-----------------------------------|--|--|-----------------------------------|---|-----------------------------------|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3 | | | P-1 Line Item Number / Title: C03700 / C-37A | | Modification Number / Title: 1117 / WIDEBAND SATCOM | |
| Models of Systems Affected: C-37A; C-37B | | Modification Type: Capability Improvement | | | Related RDT&E PEs: 0401314F | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Procurement | | | | | | |
| <i>Modification Item 1 of 1: Wideband SATCOM</i> | | | | | | |
| A Kits | | | | | | |
| Recurring | | | | | | |
| Wideband SATCOM:INSTALL KITS Group A (Active) | - / - | - / - | - / - | - / - | - / - | - / - |
| <i>Subtotal: Recurring</i> | - / - | - / - | - / - | - / - | - / - | - / - |
| <i>Subtotal: Wideband SATCOM</i> | - / - | - / - | - / - | - / - | - / - | - / - |
| <i>Subtotal: Procurement, All Modification Items</i> | - / - | - / - | - / - | - / - | - / - | - / - |
| Support (All Modification Items) | | | | | | |
| GROUP A: TOTAL NONRECURRING | - / - | - / - | - / - | - / 17.900 | - / - | - / 17.900 |
| PMA - Other Gov't Costs | - / - | - / - | - / - | - / 10.100 | - / - | - / 10.100 |
| <i>Subtotal: Support</i> | - / - | - / - | - / - | - / 18.000 | - / - | - / 18.000 |
| Installation | | | | | | |
| <i>Subtotal: Installation</i> | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | | | | | | |
| Total Cost (Procurement + Support + Installation) | - | - | - | 18.000 | - | 18.000 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 3 | | P-1 Line Item Number / Title: C03700 / C-37A | |
| Modification Number / Title: 1117 / WIDEBAND SATCOM | | | |
| Modification Item 1 of 1: Wideband SATCOM | | | |
| Modification Item MDAP/MAIS Code: | | | |
| Manufacturer Information | | | |
| Manufacturer Name: Gulfstream | | Manufacturer Location: Savannah, GA | |
| Administrative Leadtime (<i>in Months</i>): 3 | | Production Leadtime (<i>in Months</i>): 3 | |
| Dates | FY 2013 | FY 2014 | FY 2015 |
| Contract Dates | | | |
| Delivery Dates | | | |
| Installation Information | | | |
| Method of Implementation (Organic): Org/Intermediate | | | Installation Quantity: 0 |
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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

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| Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft | P-1 Line Item Number / Title: C1300A / C-130 AMP |
|--|--|

| | | |
|---|---|---|
| ID Code (A=Service Ready, B=Not Service Ready) : | Program Elements for Code B Items: | Other Related Program Elements: 0401115F |
|---|---|---|

| | |
|--------------------------------------|--------------------------------|
| Line Item MDAP/MAIS Code: 298 | Item MDAP/MAIS Code(s): |
|--------------------------------------|--------------------------------|

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|---|---------------|--------------|---------|--------------|--------------|---------------|---------|---------|---------|---------|-------------|----------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 90.935 | 9.987 | - | - | - | - | - | - | - | - | - | 100.922 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (<i>\$ in Millions</i>) | 90.935 | 9.987 | - | - | - | - | - | - | - | - | - | 100.922 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 90.935 | 9.987 | - | - | - | - | - | - | - | - | - | 100.922 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial Spares (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Flyaway Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

Funding in the FYDP has been deleted as a result of program cancellation in the FY13 PB. Congress added \$10M procurement funds in FY13 to continue C-130 AMP.

This program has associated Research Development Test & Evaluation (RDT&E) funding in PE 0401115F.

This line item funds C-130 AMP which modernizes 221 various mobility air forces C-130 models to comply with FAA/European Air Traffic Management and Navigation/Safety mandates. It also resolves obsolescence and Diminishing Manufacturing Sources issues, standardizes aircraft configuration, and reduces total ownership cost.

No FY15 funding requested.

Funding for this exhibit contained in PE 0401115F.

| Secondary Distribution | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|----------------------------|---------|---------|--------------|-------------|---------------|---------|---------|---------|---------|
| AF | | | | | | | | | |
| Quantity | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority | 9.987 | - | - | - | - | - | - | - | - |
| AFR | | | | | | | | | |
| Quantity | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority | - | - | - | - | - | - | - | - | - |

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 3: Airlift Aircraft

P-1 Line Item Number / Title:
C1300A / C-130 AMP

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** **Other Related Program Elements:** 0401115F

Line Item MDAP/MAIS Code: 298 **Item MDAP/MAIS Code(s):**

| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|-------------------------------|----------------------------|---------|---------|--------------|-------------|---------------|---------|---------|---------|---------|
| Total: | Quantity | - | - | - | - | - | - | - | - | - |
| Secondary Distribution | Total Obligation Authority | 9.987 | - | - | - | - | - | - | - | - |

| Exhibits Schedule | | Prior Years | | | FY 2013 | | | FY 2014 | | | FY 2015 Base | | | FY 2015 OCO | | | FY 2015 Total | | | |
|---|----------|-------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|
| Title* | Exhibits | ID CD | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 1 / C-130 AVIONICS MODERNIZATION PROGRAM (AMP) | P-40a*** | | - | - | 90.935 | - | - | 9.987 | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Gross/Weapon System Cost | | | - | - | 90.935 | - | - | 9.987 | - | - | - | - | - | - | - | - | - | - | - | - |

| Exhibits Schedule | | FY 2016 | | | FY 2017 | | | FY 2018 | | | FY 2019 | | | To Complete | | | Total | | | |
|---|----------|---------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|
| Title* | Exhibits | ID CD | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 1 / C-130 AVIONICS MODERNIZATION PROGRAM (AMP) | P-40a*** | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 100.922 |
| Total Gross/Weapon System Cost | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 100.922 |

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

*For Items, Title represents the Item Number / Title [DODIC].

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 4: Trainer Aircraft

P-1 Line Item Number / Title:
GLID00 / GLIDER Mods

| ID Code (A=Service Ready, B=Not Service Ready) : | | Program Elements for Code B Items: | | | | | Other Related Program Elements: | | | | | |
|--|--------------|------------------------------------|--------------|--------------|--------------|---------------|---------------------------------|--------------|--------------|--------------|-------------|--------------|
| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
| Procurement Quantity (Units in Each) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (\$ in Millions) | 2.820 | 0.116 | 0.128 | 0.132 | - | 0.132 | 0.135 | 0.136 | 0.138 | 0.140 | - | 3.745 |
| Less PY Advance Procurement (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (\$ in Millions) | 2.820 | 0.116 | 0.128 | 0.132 | - | 0.132 | 0.135 | 0.136 | 0.138 | 0.140 | - | 3.745 |
| Plus CY Advance Procurement (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (\$ in Millions) | 2.820 | 0.116 | 0.128 | 0.132 | - | 0.132 | 0.135 | 0.136 | 0.138 | 0.140 | - | 3.745 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial Spares (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Flyaway Unit Cost (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

This line item funds modifications to the TG-15 and TG-16 gliders, T-41, T-51, T-53 and UV-18 aircraft used at the United States Air Force Academy. There are two TG-15A aircraft with a design service life of 6,000 hours of which an average of 4,800 hours remains. There are three TG-15B aircraft with a design service life of 6,000 hours of which an average of 5,150 hours remains. There are 19 TG-16A aircraft with a design service life of 12,000 hours of which an average of 11,650 hours remains. There are four T-41D aircraft with a design service life of 60,000 hours of which an average of 45,650 hours remains. There are three T-51A aircraft with a design service life of 60,000 hours of which an average of 48,700 hours remains. There are 24 T-53A aircraft with a design service life of 12,000 hours of which an average of 11,450 remains. There are three UV-18B aircraft with a design service life of 40,000 hours of which an average of 16,000 hours remains. The primary effort in FY15 is Low Cost Modifications, which includes FAA Service Bulletin and Air Worthiness Directives.

Funding for this exhibit contained in PE 0804748F.

| Exhibits Schedule | | Prior Years | | | FY 2013 | | | FY 2014 | | | FY 2015 Base | | | FY 2015 OCO | | | FY 2015 Total | | | |
|---------------------------------------|----------|-------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|
| Title* | Exhibits | ID CD | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 1 / LOW COST MODIFICATIONS | P-40a*** | | - | - | 2.820 | - | - | 0.116 | - | - | 0.128 | - | - | 0.132 | - | - | - | - | - | 0.132 |
| Total Gross/Weapon System Cost | | | - | - | 2.820 | - | - | 0.116 | - | - | 0.128 | - | - | 0.132 | - | - | - | - | - | 0.132 |

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

*For Items, Title represents the Item Number / Title [DODIC].

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| Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 4: Trainer Aircraft | | P-1 Line Item Number / Title: GLID00 / GLIDER Mods |
| ID Code (A=Service Ready, B=Not Service Ready) : | Program Elements for Code B Items: | Other Related Program Elements: |
| Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding. | | |

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

| | |
|--|--|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 4: Trainer Aircraft | P-1 Line Item Number / Title: JPAT00 / T-6 |
|--|--|

| | | |
|---|---|---|
| ID Code (A=Service Ready, B=Not Service Ready) : | Program Elements for Code B Items: | Other Related Program Elements: 0604233F |
|---|---|---|

| | |
|--------------------------------------|--------------------------------|
| Line Item MDAP/MAIS Code: 560 | Item MDAP/MAIS Code(s): |
|--------------------------------------|--------------------------------|

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO [#] | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|---|---------------|---------------|--------------|---------------|--------------------------|---------------|---------------|---------------|---------------|---------------|--------------|----------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 63.275 | 13.633 | 5.392 | 14.486 | - | 14.486 | 18.208 | 26.530 | 26.063 | 26.515 | 2.720 | 196.822 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (<i>\$ in Millions</i>) | 63.275 | 13.633 | 5.392 | 14.486 | - | 14.486 | 18.208 | 26.530 | 26.063 | 26.515 | 2.720 | 196.822 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 63.275 | 13.633 | 5.392 | 14.486 | - | 14.486 | 18.208 | 26.530 | 26.063 | 26.515 | 2.720 | 196.822 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial Spares (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Flyaway Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

The Joint Primary Aircraft Training System (JPATS) T-6 replaces the USAF T-37B and USN T-34C training aircraft and their associated ground based training systems. The JPATS T-6 aircraft provides significant improvements over the aircraft it is replacing, including a 0/0 ejection seat which accommodates a larger anthropometric pilot population, a pressurized cockpit, gravitational-force (g-force) strain reduction capabilities, and increased birdstrike protection. There are currently 446 T-6A aircraft in the Air Force inventory. The aircraft were designed with a 24 year service life. Remaining service life is up to 21 years from the final delivery in May 2010. The primary modifications in FY2015 include Avionics Obsolescence, Aircrew Training Device (ATD) Visual System Retrofit, Airframe Structural Improvements, On-Board Oxygen Generating System (OBOGS) Concentrator, Canopy Fracture Initiation System, and Low Cost Modifications.

Funding for this exhibit contained in PE 0804740F.

| Secondary Distribution | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|------------------------|----------------------------|----------|--------------|-------------|---------------|----------|----------|----------|----------|
| AF | Quantity | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 13.633 | 5.392 | 14.486 | - | 14.486 | 18.208 | 26.530 | 26.063 |
| AFR | Quantity | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | - | - | - | - | - | - | - | - |
| Total: | Quantity | - | - | - | - | - | - | - | - |

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 4: Trainer Aircraft

P-1 Line Item Number / Title:
JPAT00 / T-6

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** **Other Related Program Elements:** 0604233F

Line Item MDAP/MAIS Code: 560 **Item MDAP/MAIS Code(s):**

| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|------------------------|----------------------------|---------|---------|--------------|-------------|---------------|---------|---------|---------|---------|
| Secondary Distribution | Total Obligation Authority | 13.633 | 5.392 | 14.486 | - | 14.486 | 18.208 | 26.530 | 26.063 | 26.515 |

| Exhibits Schedule | | Prior Years | | | FY 2013 | | | FY 2014 | | | FY 2015 Base | | | FY 2015 OCO | | | FY 2015 Total | | | |
|---|----------|-------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|
| Title* | Exhibits | ID CD | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 1 / Landing Gear Shimmy | P-40a*** | | - | - | 0.297 | - | - | 0.592 | - | - | 0.291 | - | - | - | - | - | - | - | - | - |
| Item - 2 / Power Control Lever | P-40a*** | | - | - | 2.677 | - | - | 2.566 | - | - | - | - | - | - | - | - | - | - | - | - |
| Item - 3 / OBOGS Low Pressure Switch and Concentrator | P-40a*** | | - | - | 1.886 | - | - | 0.203 | - | - | - | - | - | 1.250 | - | - | - | - | - | 1.250 |
| Item - 4 / ATD Visual System Retrofit | P-40a*** | | - | - | 14.168 | - | - | 7.186 | - | - | 1.436 | - | - | 2.200 | - | - | - | - | - | 2.200 |
| Item - 5 / Avionics Obsolescence | P-40a*** | | - | - | 14.128 | - | - | 1.317 | - | - | 2.789 | - | - | 4.737 | - | - | - | - | - | 4.737 |
| Item - 6 / COCKPIT UPGRADES | P-40a*** | | - | - | 6.030 | - | - | - | - | - | - | - | - | 2.134 | - | - | - | - | - | 2.134 |
| Item - 7 / Canopy Fracture Initiation System | P-40a*** | | - | - | - | - | - | - | - | - | 0.100 | - | - | 1.000 | - | - | - | - | - | 1.000 |
| Item - 8 / LANDING GEAR HANDLE REDESIGN | P-40a*** | | - | - | 1.401 | - | - | 1.364 | - | - | 0.037 | - | - | - | - | - | - | - | - | - |
| Item - 9 / AIRFRAME STRUCTURAL IMPROVEMENTS | P-40a*** | | - | - | 15.875 | - | - | 0.190 | - | - | 0.340 | - | - | 1.750 | - | - | - | - | - | 1.750 |
| Item - 10 / Avionics Upgrades FAA Compliance | P-40a*** | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Item - 11 / LOW COST MODIFICATIONS | P-40a*** | | - | - | 6.813 | - | - | 0.215 | - | - | 0.399 | - | - | 1.415 | - | - | - | - | - | 1.415 |
| Total Gross/Weapon System Cost | | | - | - | 63.275 | - | - | 13.633 | - | - | 5.392 | - | - | 14.486 | - | - | - | - | - | 14.486 |

| Exhibits Schedule | | FY 2016 | | | FY 2017 | | | FY 2018 | | | FY 2019 | | | To Complete | | | Total | | | |
|--------------------------------|----------|---------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|
| Title* | Exhibits | ID CD | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 1 / Landing Gear Shimmy | P-40a*** | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.180 |
| Item - 2 / Power Control Lever | P-40a*** | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5.243 |

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 4: Trainer Aircraft

P-1 Line Item Number / Title:
JPAT00 / T-6

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** **Other Related Program Elements:** 0604233F

Line Item MDAP/MAIS Code: 560 **Item MDAP/MAIS Code(s):**

| Exhibits Schedule | | ID CD | FY 2016 | | | FY 2017 | | | FY 2018 | | | FY 2019 | | | To Complete | | | Total | | |
|---|----------|----------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|
| Title* | Exhibits | | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 3 / OBOGS Low Pressure Switch and Concentrator | P-40a*** | | - | - | 0.766 | - | - | 0.799 | - | - | 0.806 | - | - | 2.858 | - | - | - | - | - | 8.568 |
| Item - 4 / ATD Visual System Retrofit | P-40a*** | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 24.990 |
| Item - 5 / Avionics Obsolescence | P-40a*** | | - | - | 8.641 | - | - | 8.475 | - | - | 8.689 | - | - | 6.737 | - | - | - | - | - | 55.513 |
| Item - 6 / COCKPIT UPGRADES | P-40a*** | | - | - | 0.496 | - | - | 0.122 | - | - | - | - | - | - | - | - | - | - | - | 8.782 |
| Item - 7 / Canopy Fracture Initiation System | P-40a*** | | - | - | 0.500 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.600 |
| Item - 8 / LANDING GEAR HANDLE REDESIGN | P-40a*** | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.802 |
| Item - 9 / AIRFRAME STRUCTURAL IMPROVEMENTS | P-40a*** | | - | - | 2.270 | - | - | 2.613 | - | - | 2.686 | - | - | 2.852 | - | - | - | - | - | 28.576 |
| Item - 10 / Avionics Upgrades FAA Compliance | P-40a*** | | - | - | 4.120 | - | - | 13.106 | - | - | 12.367 | - | - | 12.553 | - | - | 2.720 | - | - | 44.866 |
| Item - 11 / LOW COST MODIFICATIONS | P-40a*** | | - | - | 1.415 | - | - | 1.415 | - | - | 1.515 | - | - | 1.515 | - | - | - | - | - | 14.702 |
| Total Gross/Weapon System Cost | | | - | - | 18.208 | - | - | 26.530 | - | - | 26.063 | - | - | 26.515 | - | - | 2.720 | - | - | 196.822 |

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

*For Items, Title represents the Item Number / Title [DODIC].

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

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| Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 4: Trainer Aircraft | P-1 Line Item Number / Title: T00100 / T-1 |
|--|--|

| ID Code (A=Service Ready, B=Not Service Ready) : | Program Elements for Code B Items: 0804741F | | | | | | Other Related Program Elements: | | | | | |
|--|---|--------------|--------------|--------------|--------------|---------------|---------------------------------|---------------|---------------|---------------|-------------|----------------|
| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
| Procurement Quantity (Units in Each) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (\$ in Millions) | 0.506 | 0.272 | 0.277 | 7.650 | - | 7.650 | 23.914 | 25.566 | 40.367 | 41.132 | - | 139.684 |
| Less PY Advance Procurement (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (\$ in Millions) | 0.506 | 0.272 | 0.277 | 7.650 | - | 7.650 | 23.914 | 25.566 | 40.367 | 41.132 | - | 139.684 |
| Plus CY Advance Procurement (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (\$ in Millions) | 0.506 | 0.272 | 0.277 | 7.650 | - | 7.650 | 23.914 | 25.566 | 40.367 | 41.132 | - | 139.684 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial Spares (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Flyaway Unit Cost (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

This line item funds modifications to the T-1A aircraft. The T-1A is a missionized Beech 400A used in the Airlift/Tanker track of USAF Specialized Undergraduate Pilot Training (SUPT) and in Combat Systems Officer (CSO) training for Air Education and Training Command (AETC). It is powered by two Pratt and Whitney JT15D-5 turbofan engines mounted on the aft fuselage producing 2,900 pounds of thrust each. Avionics include Ultra High Frequency (UHF) and Very High Frequency (VHF) radios, Inertial Navigation System (INS), Tactical Air Navigation (TACAN), Airborne Direction Finder (ADF), and two Very High Frequency Omni Range/Instrument Landing System (VOR/ILS). Aircraft modified for CSO training include a Global Positioning System (GPS)-driven synthetic radar and simulated Radar Warning Receiver (RWR) in the right seat flight deck position to be utilized by the student CSO. A second student station and a second instructor station have also been added in the rear of the aircraft. There are 178 T-1A aircraft in the inventory. Design service life is 18,000 flight hours. Based on current usage, that threshold will be reached in approximately 2032. The primary effort in FY2015 is the Avionics Modification.

Funding for this exhibit contained in PE 0804741F.

| Exhibits Schedule | | ID CD | Prior Years | | | FY 2013 | | | FY 2014 | | | FY 2015 Base | | | FY 2015 OCO | | | FY 2015 Total | | |
|---------------------------------------|----------|-------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|
| Title* | Exhibits | | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 1 / LOW COST MODIFICATIONS | P-40a*** | | - | - | 0.506 | - | - | 0.272 | - | - | 0.277 | - | - | 0.288 | - | - | - | - | - | 0.288 |
| P-3a - 8997 / Avionics Modification | P-3a | | - | - | - | - | - | - | - | - | - | - | - | 7.362 | - | - | - | - | - | 7.362 |
| Total Gross/Weapon System Cost | | | - | - | 0.506 | - | - | 0.272 | - | - | 0.277 | - | - | 7.650 | - | - | - | - | - | 7.650 |

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

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| Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 4: Trainer Aircraft | | P-1 Line Item Number / Title: T00100 / T-1 |
| ID Code (A=Service Ready, B=Not Service Ready) : | Program Elements for Code B Items: 0804741F | Other Related Program Elements: |
| *For Items, Title represents the Item Number / Title [DODIC]. For the P-3a, Title represents the Modification Number / Title. | | |
| Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding. | | |

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | Date: March 2014 |
|---|-------------------------|

| | | |
|---|--|---|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 4 | P-1 Line Item Number / Title: T00100 / T-1 | Modification Number / Title: 8997 / Avionics Modification |
|---|--|---|

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO [#] | FY 2015 Total |
|---|-------------|---------|---------|--------------|--------------------------|---------------|
| Procurement Quantity <i>(Units in Each)</i> | - | - | - | - | - | - |
| Gross/Weapon System Cost <i>(\$ in Millions)</i> | - | - | - | 7.362 | - | 7.362 |
| Less PY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - |
| Net Procurement (P1) <i>(\$ in Millions)</i> | - | - | - | 7.362 | - | 7.362 |
| Plus CY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - |
| Total Obligation Authority <i>(\$ in Millions)</i> | - | - | - | 7.362 | - | 7.362 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | |
|---|---|---|---|---|---|---|
| Initial Spares <i>(\$ in Millions)</i> | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost <i>(\$ in Millions)</i> | - | - | - | - | - | - |

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

This program is a FY2015 new start.

The T-1A is a commercial-off-the shelf aircraft acquired in the mid-1990s. There have been no upgrades to its avionics suite since completion of the acquisition. The T-1A fleet's avionics components suffer from obsolescence and diminishing manufacturing capability issues. This upgrade will address these issues on components such as Multi-Function Displays (MFD), attitude head computers, Terrain Collision Avoidance Systems (TCAS), and flux detectors in both aircraft and simulators. It will also examine the possibility of a complete avionics suite replacement using commercial, non-development components, including Automatic Dependent Surveillance - Broadcast (ADS-B) Out, as a cost-saving alternative to individual component replacement. Primary FY2015 activity is non-recurring engineering. Kits will be procured beginning in FY2016. The initial contracting administrative lead time is six months for non-recurring engineering; however, that will decrease to one to two months for kit purchases.

Milestone/Development Status

N/A - The use of commercially available, non-developmental components is planned.

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | Date: March 2014 | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 4 | | | P-1 Line Item Number / Title: T00100 / T-1 | | Modification Number / Title: 8997 / Avionics Modification | |
| Models of Systems Affected: T-1A | | Modification Type: Capability Improvement | | | Related RDT&E PEs: | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Procurement | | | | | | |
| <i>Modification Item 1 of 1: T-1A Avionics Replacement Kit (ARK)</i> | | | | | | |
| A Kits | | | | | | |
| Recurring | | | | | | |
| T-1A Avionics Replacement Kit (ARK):INSTALL KITS Group A (Active) | | | | | | |
| | - / - | - / - | - / - | - / - | - / - | - / - |
| <i>Subtotal: Recurring</i> | | | | | | |
| | - / - | - / - | - / - | - / - | - / - | - / - |
| <i>Subtotal: T-1A Avionics Replacement Kit (ARK)</i> | | | | | | |
| | - / - | - / - | - / - | - / - | - / - | - / - |
| <i>Subtotal: Procurement, All Modification Items</i> | | | | | | |
| | - / - | - / - | - / - | - / - | - / - | - / - |
| Support (All Modification Items) | | | | | | |
| GROUP A: TOTAL NONRECURRING | | | | | | |
| | - / - | - / - | - / - | - / 5.857 | - / - | - / 5.857 |
| PMA - Other Gov't Costs | | | | | | |
| | - / - | - / - | - / - | - / 1.505 | - / - | - / 1.505 |
| <i>Subtotal: Support</i> | | | | | | |
| | - / - | - / - | - / - | - / 7.362 | - / - | - / 7.362 |
| Installation | | | | | | |
| <i>Subtotal: Installation</i> | | | | | | |
| | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | | | | | | |
| Total Cost (Procurement + Support + Installation) | | | | | | |
| | - | - | - | 7.362 | - | 7.362 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 4 | | P-1 Line Item Number / Title: T00100 / T-1 | |
| Modification Number / Title: 8997 / Avionics Modification | | | |
| Modification Item 1 of 1: T-1A Avionics Replacement Kit (ARK) | | | |
| Modification Item MDAP/MAIS Code: | | | |
| Manufacturer Information | | | |
| Manufacturer Name: TBD | | Manufacturer Location: TBD | |
| Administrative Leadtime (<i>in Months</i>): 6 | | Production Leadtime (<i>in Months</i>): 3 | |
| Dates | FY 2013 | FY 2014 | FY 2015 |
| Contract Dates | | | Mar 2015 |
| Delivery Dates | | | Jun 2015 |
| Installation Information | | | |
| Method of Implementation (Organic): Org/Intermediate | | | Installation Quantity: 0 |
| | | | |

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft /
BSA 4: Trainer Aircraft **P-1 Line Item Number / Title:**
T03800 / T-38

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** **Other Related Program Elements:** 0604233F

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|--|----------------|---------------|---------------|---------------|--------------|---------------|---------------|---------------|---------------|---------------|-------------|----------------|
| Procurement Quantity (Units in Each) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (\$ in Millions) | 200.704 | 19.428 | 19.334 | 34.845 | - | 34.845 | 38.974 | 37.562 | 25.409 | 25.824 | - | 402.080 |
| Less PY Advance Procurement (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (\$ in Millions) | 200.704 | 19.428 | 19.334 | 34.845 | - | 34.845 | 38.974 | 37.562 | 25.409 | 25.824 | - | 402.080 |
| Plus CY Advance Procurement (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (\$ in Millions) | 200.704 | 19.428 | 19.334 | 34.845 | - | 34.845 | 38.974 | 37.562 | 25.409 | 25.824 | - | 402.080 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial Spares (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Flyaway Unit Cost (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

The T-38 is a twin engine, two seat (tandem), supersonic jet trainer used by Air Education Training Command as an advanced trainer in Specialized Undergraduate Pilot Training. Modifications are budgeted to enhance operational capability while improving flight safety, reliability, and maintainability. There are currently 508 T-38s in the Air Force inventory (54 T-38A, 6 AT-38B and 448 T-38C). T-38s first entered service in 1962 and average over 44 years old. The T-38 was designed with a 7,000 hour service life. Aircraft are now in their third service life and are sustained by upgrades and service life extensions. The primary modifications budgeted in FY2015 are the Pacer Classic III and Video Data Transfer System/Speed Brake Indicator System (VDTS/SBIS) installation.

Funding for this exhibit contained in PE 0804741F.

| Exhibits Schedule | | Prior Years | | | FY 2013 | | | FY 2014 | | | FY 2015 Base | | | FY 2015 OCO | | | FY 2015 Total | | | |
|--|----------|-------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|
| Title* | Exhibits | ID CD | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 1 / T-38 ESCAPE SYSTEM UPGRADE | P-40a*** | | - | - | 157.381 | - | - | 1.231 | - | - | - | - | - | - | - | - | - | - | - | - |
| Item - 2 / VDTS/SBIS | P-40a*** | | - | - | 2.100 | - | - | 2.400 | - | - | 1.500 | - | - | 1.445 | - | - | - | - | - | 1.445 |
| Item - 3 / LOW COST SAFETY MODIFICATIONS | P-40a*** | | - | - | 0.014 | - | - | 0.005 | - | - | 0.005 | - | - | 0.005 | - | - | - | - | - | 0.005 |
| Item - 4 / LOW COST MODIFICATIONS | P-40a*** | | - | - | 0.015 | - | - | 0.005 | - | - | 0.005 | - | - | 0.006 | - | - | - | - | - | 0.006 |
| P-3a - 6088 / Pacer Classic III | P-3a | | - | - | 41.194 | - | - | 15.787 | - | - | 17.824 | - | - | 33.389 | - | - | - | - | - | 33.389 |

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft /
 BSA 4: Trainer Aircraft **P-1 Line Item Number / Title:**
 T03800 / T-38

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** **Other Related Program Elements:** 0604233F

| Exhibits Schedule | | ID CD | Prior Years | | | FY 2013 | | | FY 2014 | | | FY 2015 Base | | | FY 2015 OCO | | | FY 2015 Total | | |
|---------------------------------------|----------|----------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|
| Title* | Exhibits | | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Total Gross/Weapon System Cost | | | - | - | 200.704 | - | - | 19.428 | - | - | 19.334 | - | - | 34.845 | - | - | - | - | - | 34.845 |

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

*For Items, Title represents the Item Number / Title [DODIC]. For the P-3a, Title represents the Modification Number / Title.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 Where applicable, justification for individual modifications is provided in the P-3A exhibits.

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | Date: March 2014 |
|---|-------------------------|

| | | |
|---|---|---|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 4 | P-1 Line Item Number / Title: T03800 / T-38 | Modification Number / Title: 6088 / Pacer Classic III |
|---|---|---|

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO [#] | FY 2015 Total |
|---|---------------|---------------|---------------|---------------|--------------------------|---------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 41.194 | 15.787 | 17.824 | 33.389 | - | 33.389 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - |
| Net Procurement (P1) (<i>\$ in Millions</i>) | 41.194 | 15.787 | 17.824 | 33.389 | - | 33.389 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 41.194 | 15.787 | 17.824 | 33.389 | - | 33.389 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | |
|---|---|---|---|---|---|---|
| Initial Spares (<i>\$ in Millions</i>) | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - |

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

Pacer Classic III (PC III) is a depot-level modification program which replaces known life-limited components and ensures structural sustainment of 125 T-38C aircraft at high risk of grounding. Timely modifications will ensure execution of the Air Education and Training Command (AETC) advanced undergraduate pilot training mission to FY26. PC III will replace major structural components within the aircraft fuselage including major longerons, bulkhead/formers, internal skins and structural floors. These modifications have been categorized as Safety of Flight and determined by HQ Air Force Materiel Command to be required to correct material deficiencies to ensure safety of personnel, systems or equipment. If uncorrected, the hazard will ground the system or equipment, restrict flight or ground operations, or result in unacceptable risk to personnel. The T-38 System Program Office (SPO), funded by AETC, the lead MAJCOM, and Euro NATO Joint Jet Pilot Training (ENJJPT) has defined and is managing the PC III structural retrofit to maintain AETC mission capability. PCIII program direction is provided by Program Management Directive(PMD) 2338(4) and Air Force Form 1067: AETC 2009-002. PC III installations will be performed by the 309 Maintenance Wing (MXW) Forward Operating Location (FOL) at Randolph AFB, TX. Initial validation/verification installations occurred in FY2013 with the remaining installations beginning in FY2014 and continuing in FY2015.

Milestone/Development Status

Not applicable -- PC III is a form, fit and function replacement of aircraft structural components.

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | Date: March 2014 | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 4 | | | P-1 Line Item Number / Title: T03800 / T-38 | | Modification Number / Title: 6088 / Pacer Classic III | |
| Models of Systems Affected: T-38 | | | Modification Type: Service Life Extension | | Related RDT&E PEs: | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Procurement | | | | | | |
| Modification Item 1 of 1: Aircraft Modification Kits | | | | | | |
| A Kits | | | | | | |
| Recurring | | | | | | |
| Aircraft Modification Kits:INSTALL KITS Group A (Active) | 36 / 13.105 | 15 / 6.327 | 14 / 5.600 | 20 / 8.000 | - / - | 20 / 8.000 |
| <i>Subtotal: Recurring</i> | - / 13.105 | - / 6.327 | - / 5.600 | - / 8.000 | - / - | - / 8.000 |
| <i>Subtotal: Aircraft Modification Kits</i> | - / 13.105 | - / 6.327 | - / 5.600 | - / 8.000 | - / - | - / 8.000 |
| <i>Subtotal: Procurement, All Modification Items</i> | - / 13.105 | - / 6.327 | - / 5.600 | - / 8.000 | - / - | - / 8.000 |
| Support (All Modification Items) | | | | | | |
| GROUP A: TOTAL NONRECURRING | 0 / 17.791 | - / 10.750 | - / 10.750 | - / 10.750 | - / - | - / 10.750 |
| OTHER GOVT | - / 8.523 | - / 3.740 | - / 2.240 | - / 1.550 | - / - | - / 1.550 |
| PMA - Contractor Services | - / 1.255 | - / 10.399 | - / 10.400 | - / 10.609 | - / - | - / 10.609 |
| PMA - Other Gov't Costs | - / 10.520 | - / 10.230 | - / 10.240 | - / 10.040 | - / - | - / 10.040 |
| <i>Subtotal: Support</i> | 0 / 28.089 | - / 5.119 | - / 3.630 | - / 2.949 | - / - | - / 2.949 |
| Installation | | | | | | |
| Modification Item 1 of 1: Aircraft Modification Kits | - / - | 2 / 4.341 | 11 / 8.594 | 22 / 22.440 | - / - | 22 / 22.440 |
| <i>Subtotal: Installation</i> | - / - | 2 / 4.341 | 11 / 8.594 | 22 / 22.440 | - / - | 22 / 22.440 |
| Total | | | | | | |
| Total Cost (Procurement + Support + Installation) | 41.194 | 15.787 | 17.824 | 33.389 | - | 33.389 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 4 | P-1 Line Item Number / Title: T03800 / T-38 | Modification Number / Title: 6088 / Pacer Classic III |

Modification Item 1 of 1: Aircraft Modification Kits

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Northrop Grumman Tech Services Manufacturer Location: Herndon, VA

Administrative Leadtime (in Months): 9 Production Leadtime (in Months): 12

| Dates | FY 2013 | FY 2014 | FY 2015 |
|----------------|----------|----------|----------|
| Contract Dates | Jun 2014 | Sep 2014 | Jul 2015 |
| Delivery Dates | Jun 2015 | Sep 2015 | Jul 2016 |

Installation Information

Method of Implementation: Depot

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
|-------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | - / - | 2 / 4.341 | 11 / 8.594 | 22 / 22.440 | - / - | 22 / 22.440 |
| FY 2013 | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | - / - | 2 / 4.341 | 11 / 8.594 | 22 / 22.440 | - / - | 22 / 22.440 |

Installation Schedule

| PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | |
|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|
| | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 |
| In | 0 | 1 | 1 | - | - | - | - | 11 | 5 | 6 | 5 | 6 |
| Out | 0 | - | - | 2 | - | - | - | - | 6 | 5 | 5 | 6 |

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
00U200 / U-2 Mods

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0305202F **Other Related Program Elements:** 0305202F

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|--|-------------|---------------|---------|--------------|--------------|---------------|---------|---------|---------|---------|-------------|---------------|
| Procurement Quantity (Units in Each) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (\$ in Millions) | - | 46.800 | - | - | - | - | - | - | - | - | - | 46.800 |
| Less PY Advance Procurement (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (\$ in Millions) | - | 46.800 | - | - | - | - | - | - | - | - | - | 46.800 |
| Plus CY Advance Procurement (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (\$ in Millions) | - | 46.800 | - | - | - | - | - | - | - | - | - | 46.800 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial Spares (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Flyaway Unit Cost (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

All of the funding in P-1 Line #43, U-2 Mods, was inadvertently loaded in P-1 Line #43, U-2 Mods. If appropriated the the Air Force intends to execute the funding currently loaded in Line #43 on the U-2 Mod in this P-1 Line (#42).

The CIA established the Senior Year Program in 1955. The program has evolved to include the airframes, engines, sensors, cameras, recorders, data links life support systems, test facilities and equipment. The U-2S model airframes were constructed in the late 1980s, with the last aircraft rolling off the assembly line in 1989. The U-2S provides global reconnaissance signals intelligence (SIGINT) and geospatial intelligence (GEOINT) 24 hours a day, seven days a week in support of national and DoD worldwide missions. The U-2 is currently deployed to forward operating locations (FOL) around the world.

In 2012, the Air Force decided to retain the U-2 weapon system capability instead of retiring it. Prior to 2012, the U-2 weapon system fell under the "sunset clause" IAW Title 10 U.S.C 2244a, Equipment Scheduled For Retirement Or Disposal: Limitation On Expenditures For Modifications, stating that modifications to any aircraft (i.e., a given tail number), weapon, or other item of equipment that the SECAF plans to retire or otherwise dispose of within five years after the date on which the modification would be completed, are prohibited. Therefore, many required modifications to address diminishing manufacturing sources or vanishing vendor items were not accomplished.

The U-2 Program will continue to address reliability, maintainability, sustainability, and safety issues to ensure continued operations. Due to the age of the existing fleet, both diminishing manufacturing sources and vanishing vendor issues continue to drive modifications. The Distributed Common Ground System (DCGS) is an integral part of U-2 operations. Therefore, the U-2 must evolve and upgrade to keep pace with the DCGS.

Funding supports aircraft and payload modernization activities as described below.

U-2 Aircraft Aircraft Update Block 20.1: Funding supports aircraft modernization activities such as, but not limited to airframe modernization and sustainment, avionics tech refresh, navigation system upgrades, and engine modifications. Aircraft modernization activities specifically address vanishing vendor items (VVI) or diminishing manufacturing sources (DMS), reduce operations and maintenance costs, mitigate any safety concerns, and increase capability to meet current and future threats.

U-2 Payload Update Block 20.1: Funding supports payload modernization and PMA type activities such as, but not limited to, Airborne SIGINT Payload (ASIP) swap kits, Advanced Synthetic Aperture Radar System (ASARS) antenna procurement, Senior Year Electro-Optical Reconnaissance System (SYERS) spectral enhancement, electronic warfare system upgrades, Beyond Line of Sight (BLOS) tech refresh,

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| Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft | | P-1 Line Item Number / Title: 00U200 / U-2 Mods |

| | | |
|---|--|---|
| ID Code (A=Service Ready, B=Not Service Ready) : | Program Elements for Code B Items: 0305202F | Other Related Program Elements: 0305202F |
|---|--|---|

tactical data link, ASQ-230 wiring, and program office travel and administrative and advisory support. Payload modernization activities specifically address VVI/DMS, reduce operations and maintenance costs, increase operational reliability, and increase capability to meet current and future threats.

The current U-2 inventory includes 27 operational/mission capable aircraft, and five (5) trainer aircraft.

This program has associated Research, Development, Test and Evaluation funding in PE 0305202F.

No FY2015 funding is requested.

In FY16, the AF may start divestiture.

| Exhibits Schedule | | ID CD | Prior Years | | | FY 2013 | | | FY 2014 | | | FY 2015 Base | | | FY 2015 OCO | | | FY 2015 Total | | |
|---------------------------------------|----------|----------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|
| Title* | Exhibits | | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 1 / U-2 Mod | P-40a*** | | - | - | - | - | - | 46.800 | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Gross/Weapon System Cost | | | - | - | - | - | - | 46.800 | - | - | - | - | - | - | - | - | - | - | - | - |

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

*For Items, Title represents the Item Number / Title [DODIC].

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:

Where applicable, justification for individual modifications is provided in the P-3A exhibits.

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

| | |
|--|---|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft | P-1 Line Item Number / Title: 11U200 / U-2 Mods |
|--|---|

| ID Code (A=Service Ready, B=Not Service Ready) : | Program Elements for Code B Items: | | | | | | Other Related Program Elements: | | | | | |
|---|------------------------------------|---------------|---------------|--------------|--------------|---------------|---------------------------------|--------------|---------|---------|-------------|---------------|
| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
| Procurement Quantity (Units in Each) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (\$ in Millions) | - | 37.003 | 49.547 | - | - | - | 5.782 | 3.627 | - | - | - | 95.959 |
| Less PY Advance Procurement (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (\$ in Millions) | - | 37.003 | 49.547 | - | - | - | 5.782 | 3.627 | - | - | - | 95.959 |
| Plus CY Advance Procurement (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (\$ in Millions) | - | 37.003 | 49.547 | - | - | - | 5.782 | 3.627 | - | - | - | 95.959 |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> | | | | | | | | | | | | |
| Initial Spares (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Flyaway Unit Cost (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

Funding was inadvertently loaded into this line, P-1 Line 43. The funding will be executed in P-1 Line 42, U-2 Mods if appropriated.

Justification:

Where applicable, justification for individual modifications is provided in the P-3A exhibits.

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
C01000 / KC-10A (ATCA)

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0401219F **Other Related Program Elements:** 0401219F, 0401897F

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|--|---------------|--------------|---------------|---------------|--------------|---------------|--------------|--------------|--------------|--------------|-------------|----------------|
| Procurement Quantity (Units in Each) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (\$ in Millions) | 23.759 | 8.574 | 48.169 | 34.313 | - | 34.313 | 8.397 | 4.663 | 4.752 | 4.841 | - | 137.468 |
| Less PY Advance Procurement (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (\$ in Millions) | 23.759 | 8.574 | 48.169 | 34.313 | - | 34.313 | 8.397 | 4.663 | 4.752 | 4.841 | - | 137.468 |
| Plus CY Advance Procurement (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (\$ in Millions) | 23.759 | 8.574 | 48.169 | 34.313 | - | 34.313 | 8.397 | 4.663 | 4.752 | 4.841 | - | 137.468 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial Spares (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Flyaway Unit Cost (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

This line item funds modifications for the fleet of 59 KC-10 aircraft with a projected service life of 2045. On average, the aircraft are 29 years old with 31 service years remaining. The three engine KC-10 serves a dual role by providing both air refueling and strategic airlift support. The aircraft provides air refueling by using both the boom and the drogue methods and can carry up to 27 standard 463-L pallets. The primary modifications are Communications Navigation Surveillance/Air Traffic Management (CNS/ATM), and Service Bulletins (SBs) that address obsolescence issues, provide worldwide civil airspace accessibility and incorporate aging aircraft and FAA certification requirements.

Funding for this exhibit contained in PEs 0401219F and 0401897F.

| Exhibits Schedule | | ID CD | Prior Years | | | FY 2013 | | | FY 2014 | | | FY 2015 Base | | | FY 2015 OCO | | | FY 2015 Total | | |
|--|----------|-------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|
| Title* | Exhibits | | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 1 / UHF SATCOM Antenna | P-40a*** | | - | - | 4.181 | - | - | 1.002 | - | - | 1.056 | - | - | 0.189 | - | - | - | - | - | 0.189 |
| Item - 2 / LOW COST SAFETY MODIFICATIONS | P-40a*** | | - | - | 0.006 | - | - | - | - | - | 0.010 | - | - | 0.001 | - | - | - | - | - | 0.001 |
| Item - 3 / SERVICE BULLETINS | P-40a*** | | - | - | 15.633 | - | - | 5.741 | - | - | 5.065 | - | - | 4.763 | - | - | - | - | - | 4.763 |
| Item - 4 / LOW COST MODIFICATIONS | P-40a*** | | - | - | 3.939 | - | - | 0.650 | - | - | 0.187 | - | - | 0.700 | - | - | - | - | - | 0.700 |
| P-3a - 7726 / CNS/ATM | P-3a | | - | - | - | - | - | 1.181 | - | - | 41.851 | - | - | 28.660 | - | - | - | - | - | 28.660 |

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft /
 BSA 5: Other Aircraft **P-1 Line Item Number / Title:**
 C01000 / KC-10A (ATCA)

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0401219F **Other Related Program Elements:** 0401219F, 0401897F

| Exhibits Schedule | | ID CD | Prior Years | | | FY 2013 | | | FY 2014 | | | FY 2015 Base | | | FY 2015 OCO | | | FY 2015 Total | | |
|---------------------------------------|----------|----------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|
| Title* | Exhibits | | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Total Gross/Weapon System Cost | | | - | - | 23.759 | - | - | 8.574 | - | - | 48.169 | - | - | 34.313 | - | - | - | - | - | 34.313 |

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

*For Items, Title represents the Item Number / Title [DODIC]. For the P-3a, Title represents the Modification Number / Title.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 Where applicable, justification for individual modifications is provided in the P-3A exhibits.

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: C01000 / KC-10A (ATCA) | Modification Number / Title: 7726 / CNS/ATM |

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total |
|---|--------------------|----------------|----------------|---------------------|---------------------|----------------------|
| Procurement Quantity <i>(Units in Each)</i> | - | - | - | - | - | - |
| Gross/Weapon System Cost <i>(\$ in Millions)</i> | - | 1.181 | 41.851 | 28.660 | - | 28.660 |
| Less PY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - |
| Net Procurement (P1) <i>(\$ in Millions)</i> | - | 1.181 | 41.851 | 28.660 | - | 28.660 |
| Plus CY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - |
| Total Obligation Authority <i>(\$ in Millions)</i> | - | 1.181 | 41.851 | 28.660 | - | 28.660 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | |
|---|-------|-------|-------|---|---|---|
| Initial Spares <i>(\$ in Millions)</i> | 5.630 | 4.855 | 8.207 | - | - | - |
| Gross/Weapon System Unit Cost <i>(\$ in Millions)</i> | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

The KC-10 Communications, Navigation, and Surveillance/Air Traffic Management (CNS/ATM) program provides worldwide civil airspace accessibility by FY 2015 for the fleet of 59 aircraft. FAA airworthiness certification following the modification is required. An upgrade of the current Flight Management System (FMS) and Inertial Navigation System (INS) is required to meet the 2015 CNS/ATM requirements and address associated INS and FMS obsolescence issues. This capability gap is well documented in both RAND KC-10 Analysis of Alternatives (AoA) and Service Life Extension Program (SLEP) Studies. Avionics components shall use either Commercial Off-The-Shelf (COTS), or Military Off-The-Shelf (MOTS) software and hardware. CNS/ATM requirements include: Required Navigation Performance 4 (RNP-4) Oceanic/Remote for enroute Oceanic Airspace with either 50/50 nautical mile (NM) or 30/30 NM separations; Area Navigation (RNAV) 2 & 1 for enroute & terminal airspace operations; Precision-RNAV (P-RNAV) for preferred terminal area routes in Europe (1 NM Accuracy); RNP-4 & RNP-1 for reduced separations enroute, and terminal airspace; Time of Arrival Control for Refuel rendezvous (within 30sec); Automated Dependent Surveillance-B Out (ADS-B Out) for enhanced air and ground surveillance; Global Positioning System (GPS) for enhanced navigation capability; Selective Availability Anti-Spoofing Module (SAASM) for GPS Security; Satellite Data Link for Aircrew Training System (ATS) and Command and Control (C2) Communications for flight in Oceanic Airspace (FL310-410); Satellite Voice for Beyond-Line-Of-Sight (BLOS) Pilot-Controller Communications and C2 Operations; and Very High Frequency Datalink (VDL) Mode-2 for Line of Sight (LOS) Pilot-Controller Communications and C2 Operations.

This program has associated Research, Development, Test & Evaluation (RDT&E) funding in PE 0401219F.

Milestone/Development Status

Engineering Manufacturing Development (EMD) and production contract for 59 aircraft awarded 1 Jul 11. Prototype aircraft have completed flight testing and are awaiting Supplemental Type Certificate (STC).

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | Date: March 2014 | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | P-1 Line Item Number / Title: C01000 / KC-10A (ATCA) | | | Modification Number / Title: 7726 / CNS/ATM | |
| Models of Systems Affected: KC-10 | | Modification Type: Capability Improvement | | | Related RDT&E PEs: 0401219F | | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | |
| RDT&E PE # | | | | | | | |
| 0401219F | 2 / 96.201 | - / 19.041 | - / - | - / - | - / - | - / - | |
| Procurement | | | | | | | |
| Modification Item 1 of 1: Group Kits | | | | | | | |
| A Kits | | | | | | | |
| Recurring | | | | | | | |
| Group Kits:INSTALL KITS Group A (Active) | - / - | - / - | 27 / 5.806 | 6 / 1.854 | - / - | 6 / 1.854 | |
| <i>Subtotal: Recurring</i> | - / - | - / - | - / 5.806 | - / 1.854 | - / - | - / 1.854 | |
| B Kits | | | | | | | |
| Recurring | | | | | | | |
| Group Kits:EQUIPMENT Group B (Active) | - / - | - / - | 27 / 27.973 | 6 / 7.873 | - / - | 6 / 7.873 | |
| <i>Subtotal: Recurring</i> | - / - | - / - | - / 27.973 | - / 7.873 | - / - | - / 7.873 | |
| <i>Subtotal: Group Kits</i> | - / - | - / - | - / 33.779 | - / 9.727 | - / - | - / 9.727 | |
| <i>Subtotal: Procurement, All Modification Items</i> | - / - | - / - | - / 33.779 | - / 9.727 | - / - | - / 9.727 | |
| Support (All Modification Items) | | | | | | | |
| GROUP B: TOTAL NONRECURRING | - / - | - / - | - / - | - / - | - / - | - / - | |
| Data | - / - | - / - | - / 0.400 | - / - | - / - | - / - | |
| SIM/TRAINER | - / - | - / - | - / 0.060 | - / - | - / - | - / - | |
| SUPPORT-EQUIP | - / - | - / - | - / 0.576 | - / - | - / - | - / - | |
| OTHER GOVT | - / - | - / 1.181 | - / 4.100 | - / 2.515 | - / - | - / 2.515 | |
| PMA - Contractor Services | - / - | - / - | - / 1.200 | - / 1.300 | - / - | - / 1.300 | |
| PMA - Other Gov't Costs | - / - | - / - | - / 0.150 | - / 0.150 | - / - | - / 0.150 | |
| <i>Subtotal: Support</i> | - / - | - / 1.181 | - / 6.486 | - / 3.965 | - / - | - / 3.965 | |
| Installation | | | | | | | |
| Modification Item 1 of 1: Group Kits | | | | | | | |
| | - / - | - / - | 3 / 1.586 | 30 / 14.968 | - / - | 30 / 14.968 | |
| <i>Subtotal: Installation</i> | - / - | - / - | 3 / 1.586 | 30 / 14.968 | - / - | 30 / 14.968 | |
| Total | | | | | | | |
| Total Cost (Procurement + Support + Installation) | - | 1.181 | 41.851 | 28.660 | - | 28.660 | |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: C01000 / KC-10A (ATCA) | Modification Number / Title: 7726 / CNS/ATM |

Modification Item 1 of 1: Group Kits
Modification Item MDAP/MAIS Code:

| Manufacturer Information | | | |
|--|---------|---|----------|
| Manufacturer Name: Rockwell Collins | | Manufacturer Location: Cedar Rapids, IA | |
| Administrative Leadtime (in Months): 1 | | Production Leadtime (in Months): 0 | |
| Dates | FY 2013 | FY 2014 | FY 2015 |
| Contract Dates | | Jun 2014 | Mar 2015 |
| Delivery Dates | | Jun 2014 | Mar 2015 |

Installation Information
Method of Implementation: Contractor Facility

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2013 | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | 3 / 1.586 | 24 / 12.000 | - / - | 24 / 12.000 |
| FY 2015 | - / - | - / - | - / - | 6 / 2.968 | - / - | 6 / 2.968 |
| Total | - / - | - / - | 3 / 1.586 | 30 / 14.968 | - / - | 30 / 14.968 |

| Installation Schedule | | | | | | | | | | | | | |
|------------------------------|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|
| | PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | |
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 |
| In | 0 | - | - | - | - | - | - | - | 3 | 7 | 8 | 7 | 8 |
| Out | 0 | - | - | - | - | - | - | - | 3 | 7 | 8 | 7 | 8 |

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
C01200 / C-12

| ID Code (A=Service Ready, B=Not Service Ready) : | | | Program Elements for Code B Items: 0401314F | | | | | Other Related Program Elements: 0305230F, 0401314F | | | | |
|---|--------------|--------------|---|--------------|--------------|---------------|--------------|--|--------------|--------------|-------------|---------------|
| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
| Procurement Quantity (Units in Each) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (\$ in Millions) | 4.830 | 0.873 | 0.876 | 1.960 | - | 1.960 | 1.997 | 2.034 | 2.073 | 2.112 | - | 16.755 |
| Less PY Advance Procurement (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (\$ in Millions) | 4.830 | 0.873 | 0.876 | 1.960 | - | 1.960 | 1.997 | 2.034 | 2.073 | 2.112 | - | 16.755 |
| Plus CY Advance Procurement (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (\$ in Millions) | 4.830 | 0.873 | 0.876 | 1.960 | - | 1.960 | 1.997 | 2.034 | 2.073 | 2.112 | - | 16.755 |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> | | | | | | | | | | | | |
| Initial Spares (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Flyaway Unit Cost (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

This line item funds low-cost modifications and service bulletins for 28 C-12 C, D, F, and J aircraft, commercial equivalent to the Beech Craft Super King Air. The C-12 is a twin-turboprop, support-airlift aircraft used to transport cargo and passengers over medium distances. The design service life is 30,000 hours with 22,000 hours remaining on the D (6), 19,000 remaining on the C (16), 17,000 on the J (4) and 10,000 on the F (2). Service bulletins and low cost modifications are necessary for continuing Federal Aviation Administration certification while improving flight safety, reliability, and maintainability.

Funding for this exhibit contained in PE 0401314F.

| Exhibits Schedule | | Prior Years | | | FY 2013 | | | FY 2014 | | | FY 2015 Base | | | FY 2015 OCO | | | FY 2015 Total | | | |
|---------------------------------------|----------|-------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|
| Title* | Exhibits | ID CD | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 1 / SERVICE BULLETINS | P-40a*** | | - | - | 3.860 | - | - | 0.373 | - | - | 0.376 | - | - | 1.460 | - | - | - | - | - | 1.460 |
| Item - 2 / LOW COST MODIFICATIONS | P-40a*** | | - | - | 0.970 | - | - | 0.500 | - | - | 0.500 | - | - | 0.500 | - | - | - | - | - | 0.500 |
| Total Gross/Weapon System Cost | | | - | - | 4.830 | - | - | 0.873 | - | - | 0.876 | - | - | 1.960 | - | - | - | - | - | 1.960 |

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

*For Items, Title represents the Item Number / Title [DODIC].

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

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| Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft | | P-1 Line Item Number / Title: C01200 / C-12 |
| ID Code (A=Service Ready, B=Not Service Ready) : | Program Elements for Code B Items: 0401314F | Other Related Program Elements: 0305230F, 0401314F |

Justification:

Where applicable, justification for individual modifications is provided in the P-3A exhibits.

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
C012WM / MC-12W

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** **Other Related Program Elements:** 0305230F

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|--|-------------|---------------|---------|--------------|--------------|---------------|---------|---------|---------|---------|-------------|---------------|
| Procurement Quantity (Units in Each) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (\$ in Millions) | - | 17.032 | - | - | - | - | - | - | - | - | - | 17.032 |
| Less PY Advance Procurement (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (\$ in Millions) | - | 17.032 | - | - | - | - | - | - | - | - | - | 17.032 |
| Plus CY Advance Procurement (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (\$ in Millions) | - | 17.032 | - | - | - | - | - | - | - | - | - | 17.032 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial Spares (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Flyaway Unit Cost (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

The Air Force plans to transfer the fleet to US SOCOM and US Army at the end of FY14 so there is no request for FY15 funding.

Liberty Project Aircraft (LPA), military designation MC-12W, is the Air Force's multi-role, medium altitude, manned aircraft system performing an Intelligence, Surveillance, and Reconnaissance (ISR) mission coupled with a Target Acquisition (TA) capability. LPA was initiated through the SECDEF-directed ISR Task Force to address the ever-increasing Combatant Commander's requirements to satisfy ISR capability shortfalls in on-going Overseas Contingency Operations (OCO).

| Exhibits Schedule | | Prior Years | | | FY 2013 | | | FY 2014 | | | FY 2015 Base | | | FY 2015 OCO | | | FY 2015 Total | | | |
|---------------------------------------|----------|-------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|
| Title* | Exhibits | ID CD | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 1 / C-12 ISR Modifications | P-40a*** | | - | - | - | - | - | 17.032 | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Gross/Weapon System Cost | | | - | - | - | - | - | 17.032 | - | - | - | - | - | - | - | - | - | - | - | - |

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

*For Items, Title represents the Item Number / Title [DODIC].

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:

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| | | |
|--|---|---|
| Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft | | P-1 Line Item Number / Title: C012WM / MC-12W |
| ID Code (A=Service Ready, B=Not Service Ready) : | Program Elements for Code B Items: | Other Related Program Elements: 0305230F |

Where applicable, justification for individual modifications is provided in the P-3A exhibits.

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
C02000 / C-20 Mods

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** **Other Related Program Elements:** 0401314F, 0401845F

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|--|--------------------------------------|--------------|--------------|--------------|--------------|---------------|---------|---------|---------|---------|-------------|--------------|
| | Procurement Quantity (Units in Each) | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (\$ in Millions) | 2.522 | 0.243 | 0.192 | - | - | - | - | - | - | - | - | 2.957 |
| Less PY Advance Procurement (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (\$ in Millions) | 2.522 | 0.243 | 0.192 | - | - | - | - | - | - | - | - | 2.957 |
| Plus CY Advance Procurement (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (\$ in Millions) | 2.522 | 0.243 | 0.192 | - | - | - | - | - | - | - | - | 2.957 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial Spares (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Flyaway Unit Cost (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

No funding requested in FY15. This is an FY15 divestiture effort.

This line item funds low-cost modifications and service bulletins for 7 C-20B and C-20H aircraft, commercial equivalent Gulfstream III/IV. The C-20B/H aircraft is a twin-engine, turboprop aircraft used to airlift DoD officials and high-ranking government personnel over long distances. The design service life is 20,000 hours with an average of 6,000 hours remaining. Service bulletins and low cost modifications are necessary for continuing Federal Aviation Administration certification while improving flight safety, reliability, and maintainability.

Funding for this exhibit contained in PE 0401314F.

| Exhibits Schedule | | ID CD | Prior Years | | | FY 2013 | | | FY 2014 | | | FY 2015 Base | | | FY 2015 OCO | | | FY 2015 Total | | |
|---------------------------------------|----------|-------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|
| Title* | Exhibits | | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 1 / SERVICE BULLETINS | P-40a*** | | - | - | 0.674 | - | - | 0.102 | - | - | 0.108 | - | - | - | - | - | - | - | - | - |
| Item - 2 / LOW COST MODIFICATIONS | P-40a*** | | - | - | 1.848 | - | - | 0.141 | - | - | 0.084 | - | - | - | - | - | - | - | - | - |
| Total Gross/Weapon System Cost | | | - | - | 2.522 | - | - | 0.243 | - | - | 0.192 | - | - | - | - | - | - | - | - | - |

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

*For Items, Title represents the Item Number / Title [DODIC].

UNCLASSIFIED

| | | |
|--|---|--|
| Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft | | P-1 Line Item Number / Title: C02000 / C-20 Mods |
| ID Code (A=Service Ready, B=Not Service Ready) : | Program Elements for Code B Items: | Other Related Program Elements: 0401314F, 0401845F |
| Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding. | | |

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
C02500 / VC-25A Mod

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0401314F **Other Related Program Elements:** 0401314F

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|--|--------------|--------------|--------------|--------------|--------------|---------------|---------------|---------------|---------------|---------------|-------------|----------------|
| Procurement Quantity (Units in Each) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (\$ in Millions) | 1.743 | 0.670 | 0.263 | 1.072 | - | 1.072 | 18.873 | 30.340 | 53.306 | 40.515 | - | 146.782 |
| Less PY Advance Procurement (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (\$ in Millions) | 1.743 | 0.670 | 0.263 | 1.072 | - | 1.072 | 18.873 | 30.340 | 53.306 | 40.515 | - | 146.782 |
| Plus CY Advance Procurement (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (\$ in Millions) | 1.743 | 0.670 | 0.263 | 1.072 | - | 1.072 | 18.873 | 30.340 | 53.306 | 40.515 | - | 146.782 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial Spares (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Flyaway Unit Cost (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

This line item funds modifications for 2 VC-25 aircraft, a commercial derivative of the Boeing 747-200. The VC-25 is a four-engine turboprop aircraft used for Presidential support worldwide. The aircraft are commonly known as "Air Force One." The design service life is 30 years, with an average of approximately 5 years remaining. These on-going modifications are to extend that service life. Service bulletins and low cost modifications are necessary for continuing Federal Aviation Administration certification while improving flight safety, reliability, and maintainability.

Nitrogen Generation System (NGS) provides increased safety by displacing fuel vapor within the fuselage mounted fuel tanks with nitrogen enriched air to provide protection against catastrophic fuel vapor explosions. This is an FY15 new start.

The VC-25 Senior Leader Commercial Wideband SATCOM modification provides the President and his staff with the capability to execute business enterprise and Command and Control functions globally while airborne. This is an FY16 new start.

Funding for this exhibit contained in PE 0401314F

| Exhibits Schedule | | Prior Years | | | FY 2013 | | | FY 2014 | | | FY 2015 Base | | | FY 2015 OCO | | | FY 2015 Total | | | |
|---------------------------------------|----------|-------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|
| Title* | Exhibits | ID CD | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 1 / Nitrogen Generation System | P-40a*** | | - | - | - | - | - | - | - | - | - | - | - | 0.500 | - | - | - | - | - | 0.500 |
| Item - 2 / SERVICE BULLETINS | P-40a*** | | - | - | 0.287 | - | - | 0.570 | - | - | 0.163 | - | - | 0.472 | - | - | - | - | - | 0.472 |

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
C02500 / VC-25A Mod

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0401314F **Other Related Program Elements:** 0401314F

| Exhibits Schedule | | ID CD | Prior Years | | | FY 2013 | | | FY 2014 | | | FY 2015 Base | | | FY 2015 OCO | | | FY 2015 Total | | |
|---------------------------------------|----------|----------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|
| Title* | Exhibits | | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 3 / LOW COST MODIFICATIONS | P-40a*** | | - | - | 1.456 | - | - | 0.100 | - | - | 0.100 | - | - | 0.100 | - | - | - | - | - | 0.100 |
| Total Gross/Weapon System Cost | | | - | - | 1.743 | - | - | 0.670 | - | - | 0.263 | - | - | 1.072 | - | - | - | - | - | 1.072 |

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

*For Items, Title represents the Item Number / Title [DODIC].

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
C04000 / C-40

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0401314F **Other Related Program Elements:** 0401314F, 0401845F

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|--|--------------|--------------|--------------|--------------|--------------|---------------|---------------|---------------|---------------|--------------|-------------|---------------|
| Procurement Quantity (Units in Each) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (\$ in Millions) | 1.050 | 0.243 | 6.119 | 7.292 | - | 7.292 | 13.287 | 28.258 | 17.263 | 0.268 | - | 73.780 |
| Less PY Advance Procurement (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (\$ in Millions) | 1.050 | 0.243 | 6.119 | 7.292 | - | 7.292 | 13.287 | 28.258 | 17.263 | 0.268 | - | 73.780 |
| Plus CY Advance Procurement (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (\$ in Millions) | 1.050 | 0.243 | 6.119 | 7.292 | - | 7.292 | 13.287 | 28.258 | 17.263 | 0.268 | - | 73.780 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial Spares (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Flyaway Unit Cost (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

This line item funds all modifications for 11 C-40B and C-40C aircraft, commercial-derivative Boeing 737 business jets. The C-40B/C is a twin-engine, turbo fan aircraft used to airlift DoD officials and government personnel worldwide. The design service life is 30 years with an average of 23 years remaining.

Service bulletins and low cost modifications are necessary for continuing Federal Aviation Administration certification while improving flight safety, reliability, and maintainability.

The C-40 Nitrogen Generation System (NGS) modification will supply nitrogen enriched air to fuselage fuel tanks to reduce the risk of vapor explosion and comply with FAA mandates.

The C-40 Senior Leader Commercial Wideband SATCOM modification provides national leaders with the capability to execute business enterprise and Command and Control functions globally while airborne. It will provide access to TS/SCI voice/data/video networks (Crisis Management System/Joint Worldwide Intelligence Communications System) while airborne. This is an FY15 New Start.

Funding for this exhibit contained in PE 0401314F.

| Secondary Distribution | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|----------------------------|---------|---------|--------------|-------------|---------------|---------|---------|---------|---------|
| AF | | | | | | | | | |
| Quantity | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority | 0.243 | 5.219 | 4.592 | - | 4.592 | - | - | - | - |
| AFNG | | | | | | | | | |
| Quantity | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority | - | 0.600 | 1.500 | - | 1.500 | - | - | - | - |

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
C04000 / C-40

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0401314F **Other Related Program Elements:** 0401314F, 0401845F

| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|--|-----------------------------------|--------------|--------------|--------------|-------------|---------------|---------|---------|---------|---------|
| AFR | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | - | 0.300 | 1.200 | - | 1.200 | - | - | - | - |
| Total: Secondary Distribution | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 0.243 | 6.119 | 7.292 | - | 7.292 | - | - | - | - |

| Exhibits Schedule | | Prior Years | | | FY 2013 | | | FY 2014 | | | FY 2015 Base | | | FY 2015 OCO | | | FY 2015 Total | | | |
|---------------------------------------|----------|-------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|
| Title* | Exhibits | ID CD | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 1 / Nitrogen Generation System | P-40a*** | | - | - | 0.000 | - | - | - | - | - | 5.873 | - | - | 3.077 | - | - | - | - | - | 3.077 |
| Item - 2 / SERVICE BULLETINS | P-40a*** | | - | - | 0.540 | - | - | 0.128 | - | - | 0.131 | - | - | 0.100 | - | - | - | - | - | 0.100 |
| Item - 3 / LOW COST MODIFICATIONS | P-40a*** | | - | - | 0.510 | - | - | 0.115 | - | - | 0.115 | - | - | 0.115 | - | - | - | - | - | 0.115 |
| P-3a - 1118 / WIDEBAND SATCOM | P-3a | | - | - | - | - | - | - | - | - | - | - | - | 4.000 | - | - | - | - | - | 4.000 |
| Total Gross/Weapon System Cost | | | - | - | 1.050 | - | - | 0.243 | - | - | 6.119 | - | - | 7.292 | - | - | - | - | - | 7.292 |

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

*For Items, Title represents the Item Number / Title [DODIC]. For the P-3a, Title represents the Modification Number / Title.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

UNCLASSIFIED

| | | |
|---|---|---|
| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: C04000 / C-40 | Modification Number / Title: 1118 / WIDEBAND SATCOM |

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total |
|---|--------------------|----------------|----------------|---------------------|---------------------|----------------------|
| Procurement Quantity <i>(Units in Each)</i> | - | - | - | - | - | - |
| Gross/Weapon System Cost <i>(\$ in Millions)</i> | - | - | - | 4.000 | - | 4.000 |
| Less PY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - |
| Net Procurement (P1) <i>(\$ in Millions)</i> | - | - | - | 4.000 | - | 4.000 |
| Plus CY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - |
| Total Obligation Authority <i>(\$ in Millions)</i> | - | - | - | 4.000 | - | 4.000 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | |
|---|---|---|---|---|---|---|
| Initial Spares <i>(\$ in Millions)</i> | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost <i>(\$ in Millions)</i> | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

This modification installs wide-band SATCOM communications infrastructure on Air Force C-40B aircraft. The C-40B is a commercial derivative of the Boeing 737-700 Business Jet. Air Force C-40s maintain Federal Aviation Administration Certification.

This modification provides national senior leaders with the ability to execute business enterprise and Command and Control functions globally while airborne. It maintains senior leader access to TS/SCI voice/data/video networks (Crisis Management System/Joint Worldwide Intelligence Communications System) while airborne. If not installed, senior leaders will not be able to access NIPR, SIPR, and TS/SCI voice/data/video networks preventing them from being able to conduct time critical targeting of HVTs, as required, and crisis actions while airborne.

This is an FY15 New Start.

Milestone/Development Status

COTS item with NRE for integration

| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
|--|-----------------------------------|----------------|----------------|---------------------|--------------------|----------------------|
| AF | Quantity | - | - | - | - | - |
| | Total Obligation Authority | - | - | 4.000 | - | 4.000 |
| Total: Secondary Distribution | Quantity | - | - | - | - | - |
| | Total Obligation Authority | - | - | 4.000 | - | 4.000 |

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|---|-----------------------------------|--|---|-----------------------------------|---|-----------------------------------|
| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | Date: March 2014 | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | P-1 Line Item Number / Title: C04000 / C-40 | | Modification Number / Title: 1118 / WIDEBAND SATCOM | |
| Models of Systems Affected: C-40B/C | | Modification Type: Capability Improvement | | | Related RDT&E PEs: 0401314F | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Procurement | | | | | | |
| <i>Modification Item 1 of 1: Wideband SATCOM</i> | | | | | | |
| A Kits | | | | | | |
| Recurring | | | | | | |
| Wideband SATCOM:INSTALL KITS Group A (Active) | | | | | | |
| | - | - | - | - | - | - |
| <i>Subtotal: Recurring</i> | | | | | | |
| | - | - | - | - | - | - |
| <i>Subtotal: Wideband SATCOM</i> | | | | | | |
| | - | - | - | - | - | - |
| <i>Subtotal: Procurement, All Modification Items</i> | | | | | | |
| | - | - | - | - | - | - |
| Support (All Modification Items) | | | | | | |
| GROUP A: TOTAL NONRECURRING | | | | | | |
| | - | - | - | / 3.900 | - | / 3.900 |
| PMA - Other Gov't Costs | | | | | | |
| | - | - | - | / 0.100 | - | / 0.100 |
| <i>Subtotal: Support</i> | | | | | | |
| | - | - | - | / 4.000 | - | / 4.000 |
| Installation | | | | | | |
| <i>Subtotal: Installation</i> | | | | | | |
| | - | - | - | - | - | - |
| Total | | | | | | |
| Total Cost (Procurement + Support + Installation) | | | | | | |
| | - | - | - | 4.000 | - | 4.000 |

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|---|--|--|---|--|-----------------------------------|---|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | Date: March 2014 | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | P-1 Line Item Number / Title: C04000 / C-40 | | | Modification Number / Title: 1118 / WIDEBAND SATCOM | | | | |
| Models of Systems Affected: | | Modification Type: Capability Improvement | | Related RDT&E PEs: 0401314F | | | | | | |
| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
| | | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Support | | | | | | | | | | |
| AF | | - / - | - / - | - / 4.000 | - / - | - / 4.000 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Support</i> | | - / - | - / - | - / 4.000 | - / - | - / 4.000 | - / - | - / - | - / - | - / - |
| Total | | | | | | | | | | |
| Total: Secondary Distribution, All Modification Items | | - / - | - / - | - / 4.000 | - / - | - / 4.000 | - / - | - / - | - / - | - / - |

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|---|----------------|---|----------------|
| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | P-1 Line Item Number / Title: C04000 / C-40 | |
| Modification Number / Title: 1118 / WIDEBAND SATCOM | | | |
| Modification Item 1 of 1: Wideband SATCOM | | | |
| Modification Item MDAP/MAIS Code: | | | |
| Manufacturer Information | | | |
| Manufacturer Name: Boeing | | Manufacturer Location: San Antonio, TX | |
| Administrative Leadtime (<i>in Months</i>): 6 | | Production Leadtime (<i>in Months</i>): 3 | |
| Dates | FY 2013 | FY 2014 | FY 2015 |
| Contract Dates | | | |
| Delivery Dates | | | |
| Installation Information | | | |
| Method of Implementation (Organic): Org/Intermediate | | Installation Quantity: 0 | |
| | | | |

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

| | |
|--|--|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft | P-1 Line Item Number / Title: C13000 / C-130 |
|--|--|

| | | |
|---|--|---|
| ID Code (A=Service Ready, B=Not Service Ready) : | Program Elements for Code B Items: 0401115F | Other Related Program Elements: 0207224F, 0401115F, 0401134F, 0401897F |
|---|--|---|

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO [#] | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|---|----------------|---------------|----------------|---------------|--------------------------|---------------|---------------|---------------|---------------|---------------|-------------|------------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 780.951 | 79.163 | 101.895 | 35.869 | - | 35.869 | 35.168 | 35.934 | 38.208 | 38.494 | - | 1,145.682 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (<i>\$ in Millions</i>) | 780.951 | 79.163 | 101.895 | 35.869 | - | 35.869 | 35.168 | 35.934 | 38.208 | 38.494 | - | 1,145.682 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 780.951 | 79.163 | 101.895 | 35.869 | - | 35.869 | 35.168 | 35.934 | 38.208 | 38.494 | - | 1,145.682 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial Spares (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Flyaway Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

Prior Year funding totals include \$11.4M appropriated for Overseas Contingency Operations.
Current Year funding totals include \$1.618M appropriated for Overseas Contingency Operations.

This line item funds modifications to the C-130 and Special Mission C-130 aircraft. The four engine C-130 provides theater airlift and carries either 92 troops, 64 paratroopers, 74 litter patients, or 6 standard 463-L pallets.

The primary modifications budgeted in FY15 are the Systems/Structure (Center Wing Replacement) mod, the Minimize C-130 Communication, Navigation, Surveillance/Air Traffic Management (CNS/ATM) program, the C-130 Crashworthy Seats mod, the Identify Friend or Foe/Selective Identification Feature (IFF/SIF) Mode 5 upgrade, and the C-130 Auxillary Hydraulic Pump mod.

Funding for this exhibit contained in PEs 0401115F, 0404011F, and 0207224F.

| Secondary Distribution | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|------------------------|----------------------------|---------|--------------|-------------|---------------|---------|---------|---------|---------|
| AF | Quantity | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 34.258 | 66.491 | 29.153 | - | 29.153 | - | - | - |
| AFNG | Quantity | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 22.163 | 31.909 | 4.166 | - | 4.166 | - | - | - |

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
C13000 / C-130

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0401115F **Other Related Program Elements:** 0207224F, 0401115F, 0401134F, 0401897F

| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|---|----------------------------|---------------|----------------|---------------|-------------|---------------|---------|---------|---------|---------|
| AFR | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 22.742 | 3.495 | 2.550 | - | 2.550 | - | - | - | - |
| Total: Secondary Distribution | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 79.163 | 101.895 | 35.869 | - | 35.869 | - | - | - | - |

| Exhibits Schedule | | Prior Years | | | FY 2013 | | | FY 2014 | | | FY 2015 Base | | | FY 2015 OCO | | | FY 2015 Total | | | |
|--|----------|-------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|
| Title* | Exhibits | ID CD | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 1 / C-130 8-Bladed Propeller Upgrade | P-40a*** | | - | - | - | - | - | - | - | - | 26.000 | - | - | - | - | - | - | - | - | - |
| Item - 2 / Mode S & 8.33 MHz Upgrades | P-40a*** | | - | - | 42.524 | - | - | 36.992 | - | - | 1.335 | - | - | - | - | - | - | - | - | - |
| Item - 3 / HC-130P/N Personal Locator System | P-40a*** | | - | - | - | - | - | 5.400 | - | - | - | - | - | - | - | - | - | - | - | - |
| Item - 4 / HC-130 Integrated Electronic Warfare (EW) Suite | P-40a*** | | - | - | - | - | - | 6.000 | - | - | - | - | - | - | - | - | - | - | - | - |
| Item - 5 / AAR-47 Sensor Upgrade | P-40a*** | | - | - | - | - | - | - | - | - | 1.618 | - | - | - | - | - | - | - | - | - |
| Item - 6 / AC-130 OUTER WING REPLACEMENT | P-40a*** | | - | - | 4.845 | - | - | 0.090 | - | - | - | - | - | - | - | - | - | - | - | - |
| Item - 7 / HC-130 8.33 RADIOS | P-40a*** | | - | - | 19.994 | - | - | 1.878 | - | - | - | - | - | - | - | - | - | - | - | - |
| Item - 8 / MOD V IFF | P-40a*** | | - | - | 26.566 | - | - | 11.740 | - | - | 6.803 | - | - | 1.630 | - | - | - | - | - | 1.630 |
| Item - 9 / C-130 CRASHWORTHY LOADMASTER SEAT | P-40a*** | | - | - | 13.961 | - | - | - | - | - | 1.476 | - | - | 1.089 | - | - | - | - | - | 1.089 |
| Item - 10 / ENGINE OIL COOLER | P-40a*** | | - | - | 31.000 | - | - | - | - | - | 0.125 | - | - | - | - | - | - | - | - | - |
| Item - 11 / C-130 Aux Hyd Pump | P-40a*** | | - | - | 11.349 | - | - | - | - | - | 1.981 | - | - | 1.237 | - | - | - | - | - | 1.237 |
| Item - 12 / AFR C-130 Fuselage Trainer Modification | P-40a*** | | - | - | - | - | - | - | - | - | 7.000 | - | - | - | - | - | - | - | - | - |
| Item - 13 / T-56 3.5 Engine Mod | P-40a*** | | - | - | - | - | - | - | - | - | 15.700 | - | - | - | - | - | - | - | - | - |
| Item - 14 / LOW COST SAFETY MODIFICATIONS | P-40a*** | | - | - | 2.832 | - | - | 0.001 | - | - | 0.001 | - | - | 1.674 | - | - | - | - | - | 1.674 |
| Item - 15 / MISC SIMULATOR UPDATES | P-40a*** | | - | - | 0.703 | - | - | 0.001 | - | - | 0.001 | - | - | 0.001 | - | - | - | - | - | 0.001 |

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
C13000 / C-130

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0401115F **Other Related Program Elements:** 0207224F, 0401115F, 0401134F, 0401897F

| Exhibits Schedule | | ID CD | Prior Years | | | FY 2013 | | | FY 2014 | | | FY 2015 Base | | | FY 2015 OCO | | | FY 2015 Total | | |
|---|----------|----------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|
| Title* | Exhibits | | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 16 / SERVICE BULLETINS | P-40a*** | | - | - | 0.416 | - | - | 0.001 | - | - | 0.001 | - | - | 0.001 | - | - | - | - | - | 0.001 |
| Item - 17 / LOW COST MODIFICATIONS | P-40a*** | | - | - | 8.983 | - | - | 1.248 | - | - | 0.821 | - | - | 1.999 | - | - | - | - | - | 1.999 |
| P-3a - 8578 / C-130 SYSTEMS/ STRUCTURE (PHASE II MODERNIZATION) | P-3a | | - | - | 617.778 | - | - | 15.812 | - | - | 24.833 | - | - | 13.640 | - | - | - | - | - | 13.640 |
| P-3a - 1 / 8.33 kHz Radios -- Minimize C-130 CNS/ATM Program | P-3a | | - | - | - | - | - | - | - | - | 9.922 | - | - | 7.447 | - | - | - | - | - | 7.447 |
| P-3a - 2 / CVR/DVR -- Minimize C-130 CNS/ATM Program | P-3a | | - | - | - | - | - | - | - | - | 4.278 | - | - | 7.151 | - | - | - | - | - | 7.151 |
| Total Gross/Weapon System Cost | | | - | - | 780.951 | - | - | 79.163 | - | - | 101.895 | - | - | 35.869 | - | - | - | - | - | 35.869 |

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

*For Items, Title represents the Item Number / Title [DODIC]. For the P-3a, Title represents the Modification Number / Title.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: C13000 / C-130 | Modification Number / Title: 8578 / C-130 SYSTEMS/STRUCTURE (PHASE II MODERNIZATION) |

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total |
|---|--------------------|----------------|----------------|---------------------|---------------------|----------------------|
| Procurement Quantity <i>(Units in Each)</i> | - | - | - | - | - | - |
| Gross/Weapon System Cost <i>(\$ in Millions)</i> | 617.778 | 15.812 | 24.833 | 13.640 | - | 13.640 |
| Less PY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - |
| Net Procurement (P1) <i>(\$ in Millions)</i> | 617.778 | 15.812 | 24.833 | 13.640 | - | 13.640 |
| Plus CY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - |
| Total Obligation Authority <i>(\$ in Millions)</i> | 617.778 | 15.812 | 24.833 | 13.640 | - | 13.640 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | |
|---|---|---|---|---|---|---|
| Initial Spares <i>(\$ in Millions)</i> | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost <i>(\$ in Millions)</i> | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

Replaces the Center Wing Box (CWB) on MC-130H, HC-130N/P, C-130H, EC-130H, and AC-130U aircraft whose center wings service life expires between 2005-2026. Kit costs vary by Mission Design Series (MDS) as reflected in the kit costs FY05-FY26. Installations are done at the Warner Robins Air Logistics Center (WR-ALC), except for the EC-130Hs which are done at L3 Communication's facility.

The following is a status of each MDS:

- MC-130H: 20 required, 20 procured, 100%
- HC-130: 4 required, 4 procured, 100%
- AC-130U: 17 required, 17 procured, 100%
- C-130H1: 28 required, 28 procured, 100%
- EC-130H: 14 required, 14 procured, 100%
- C-130H2/3: 85 required (thru 2026), 16 procured, 69 to be procured in subsequent years, 18.8%

)

Milestone/Development Status

N/A There was no RDT&E on this program

| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
|-------------------------------|----------------------------|----------------|----------------|---------------------|--------------------|----------------------|
| AF | Quantity | - | - | - | - | - |
| | Total Obligation Authority | 15.812 | 24.833 | 13.640 | - | 13.640 |
| Total: | Quantity | - | - | - | - | - |

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|---|-----------------------------------|--|-------------------------|---|--------------------|----------------------|
| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | Date: March 2014 | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | P-1 Line Item Number / Title: C13000 / C-130 | | Modification Number / Title: 8578 / C-130 SYSTEMS/STRUCTURE (PHASE II MODERNIZATION) | | |
| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
| Secondary Distribution | Total Obligation Authority | 15.812 | 24.833 | 13.640 | - | 13.640 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | Date: March 2014 | | |
|---|-----------------------------------|--|--|-----------------------------------|--|---|--|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | P-1 Line Item Number / Title: C13000 / C-130 | | | Modification Number / Title: 8578 / C-130 SYSTEMS/STRUCTURE (PHASE II MODERNIZATION) | |
| Models of Systems Affected: C-130H; MC-130H; HC-130P; HC-130N; EC-130H; AC-130U | | Modification Type: Service Life Extension | | | Related RDT&E PEs: 0401115F | | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | |
| Procurement | | | | | | | |
| Modification Item 1 of 6: AC-130U | | | | | | | |
| A Kits | | | | | | | |
| Recurring | | | | | | | |
| AC-130U:INSTALL KITS Group A (Active) | 17 / 62.277 | - / - | - / - | - / - | - / - | - / - | |
| AC-130U:INSTALL KITS Group A (Guard) | 0 / 0.000 | - / - | - / - | - / - | - / - | - / - | |
| AC-130U:INSTALL KITS Group A (Reserve) | 0 / 0.000 | - / - | - / - | - / - | - / - | - / - | |
| Subtotal: Recurring | - / 62.277 | - / - | - / - | - / - | - / - | - / - | |
| Subtotal: AC-130U | - / 62.277 | - / - | - / - | - / - | - / - | - / - | |
| Modification Item 2 of 6: C-130H1 | | | | | | | |
| A Kits | | | | | | | |
| Recurring | | | | | | | |
| C-130H1:INSTALL KITS Group A (Active) | 28 / 102.218 | - / - | - / - | - / - | - / - | - / - | |
| C-130H1:INSTALL KITS Group A (Guard) | 0 / 0.000 | - / - | - / - | - / - | - / - | - / - | |
| C-130H1:INSTALL KITS Group A (Reserve) | 0 / 0.000 | - / - | - / - | - / - | - / - | - / - | |
| Subtotal: Recurring | - / 102.218 | - / - | - / - | - / - | - / - | - / - | |
| Subtotal: C-130H1 | - / 102.218 | - / - | - / - | - / - | - / - | - / - | |
| Modification Item 3 of 6: C-130H2/3 | | | | | | | |
| A Kits | | | | | | | |
| Recurring | | | | | | | |
| C-130H2/3:INSTALL KITS Group A (Active) | 14 / 54.530 | - / - | - / - | - / - | - / - | - / - | |
| C-130H2/3:INSTALL KITS Group A (Reserve) | 2 / 8.364 | - / - | - / - | - / - | - / - | - / - | |
| Subtotal: Recurring | - / 62.894 | - / - | - / - | - / - | - / - | - / - | |
| Subtotal: C-130H2/3 | - / 62.894 | - / - | - / - | - / - | - / - | - / - | |
| Modification Item 4 of 6: EC-130H | | | | | | | |
| A Kits | | | | | | | |
| Recurring | | | | | | | |
| EC-130H:INSTALL KITS Group A (Active) | 14 / 54.834 | - / - | - / - | - / - | - / - | - / - | |
| EC-130H:INSTALL KITS Group A (Guard) | 0 / 0.000 | - / - | - / - | - / - | - / - | - / - | |
| EC-130H:INSTALL KITS Group A (Reserve) | 0 / 0.000 | - / - | - / - | - / - | - / - | - / - | |
| Subtotal: Recurring | - / 54.834 | - / - | - / - | - / - | - / - | - / - | |
| Subtotal: EC-130H | - / 54.834 | - / - | - / - | - / - | - / - | - / - | |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | Date: March 2014 | |
|---|-----------------------------------|--|--|-----------------------------------|---|-----------------------------------|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | P-1 Line Item Number / Title: C13000 / C-130 | | Modification Number / Title: 8578 / C-130 SYSTEMS/STRUCTURE (PHASE II MODERNIZATION) | |
| Models of Systems Affected: C-130H; MC-130H; HC-130P; HC-130N; EC-130H; AC-130U | | Modification Type: Service Life Extension | | | Related RDT&E PEs: 0401115F | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Modification Item 5 of 6: HC-130 | | | | | | |
| A Kits | | | | | | |
| Recurring | | | | | | |
| HC-130:INSTALL KITS Group A (Active) | 4 / 17.311 | - / - | - / - | - / - | - / - | - / - |
| HC-130:INSTALL KITS Group A (Guard) | 0 / 0.000 | - / - | - / - | - / - | - / - | - / - |
| HC-130:INSTALL KITS Group A (Reserve) | 0 / 0.000 | - / - | - / - | - / - | - / - | - / - |
| <i>Subtotal: Recurring</i> | - / 17.311 | - / - | - / - | - / - | - / - | - / - |
| <i>Subtotal: HC-130</i> | - / 17.311 | - / - | - / - | - / - | - / - | - / - |
| Modification Item 6 of 6: MC-130H | | | | | | |
| A Kits | | | | | | |
| Recurring | | | | | | |
| MC-130H:INSTALL KITS Group A (Active) | 20 / 72.078 | - / - | - / - | - / - | - / - | - / - |
| MC-130H:INSTALL KITS Group A (Guard) | 0 / 0.000 | - / - | - / - | - / - | - / - | - / - |
| MC-130H:INSTALL KITS Group A (Reserve) | 0 / 0.000 | - / - | - / - | - / - | - / - | - / - |
| <i>Subtotal: Recurring</i> | - / 72.078 | - / - | - / - | - / - | - / - | - / - |
| <i>Subtotal: MC-130H</i> | - / 72.078 | - / - | - / - | - / - | - / - | - / - |
| <i>Subtotal: Procurement, All Modification Items</i> | - / 371.612 | - / - | - / - | - / - | - / - | - / - |
| Support (All Modification Items) | | | | | | |
| GROUP A: TOTAL NONRECURRING | - / 41.291 | - / - | - / - | - / - | - / - | - / - |
| Change Orders | - / 0.388 | - / 0.040 | - / 12.534 | - / 4.761 | - / - | - / 14.761 |
| Data | - / 0.954 | - / - | - / 0.250 | - / - | - / - | - / - |
| SUPPORT-EQUIP | - / 3.076 | - / - | - / - | - / - | - / - | - / - |
| OTHER GOVT | - / 1.194 | - / - | - / - | - / - | - / - | - / - |
| A&AS | - / 2.531 | - / - | - / 0.193 | - / 0.224 | - / - | - / 0.224 |
| PMA - Contractor Services | - / 1.136 | - / - | - / 0.465 | - / 0.491 | - / - | - / 0.491 |
| PMA - Other Gov't Costs | - / 3.762 | - / 0.030 | - / 0.030 | - / 0.030 | - / - | - / 0.030 |
| <i>Subtotal: Support</i> | - / 54.332 | - / 0.070 | - / 13.472 | - / 5.506 | - / - | - / 15.506 |
| Installation | | | | | | |
| Modification Item 1 of 6: AC-130U | 13 / 29.460 | 1 / 2.557 | 1 / 2.716 | 2 / 5.534 | - / - | 2 / 5.534 |
| Modification Item 2 of 6: C-130H1 | 28 / 70.067 | - / - | - / - | - / - | - / - | - / - |
| Modification Item 3 of 6: C-130H2/3 | 8 / 19.413 | 4 / 10.585 | 2 / 6.045 | - / - | - / - | - / - |
| Modification Item 4 of 6: EC-130H | 9 / 23.594 | 1 / 2.600 | 1 / 2.600 | 1 / 2.600 | - / - | 1 / 2.600 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: C13000 / C-130 | Modification Number / Title: 8578 / C-130 SYSTEMS/STRUCTURE (PHASE II MODERNIZATION) |

| | | |
|--|--|--|
| Models of Systems Affected: C-130H; MC-130H; HC-130P; HC-130N; EC-130H; AC-130U | Modification Type: Service Life Extension | Related RDT&E PEs: 0401115F |
|--|--|--|

| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
|--|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Modification Item 5 of 6: HC-130 | 4 / 10.890 | - / - | - / - | - / - | - / - | - / - |
| Modification Item 6 of 6: MC-130H | 20 / 38.410 | - / - | - / - | - / - | - / - | - / - |
| <i>Subtotal: Installation</i> | 82 / 191.834 | 6 / 15.742 | 4 / 11.361 | 3 / 8.134 | - / - | 3 / 8.134 |
| Total | | | | | | |
| Total Cost (Procurement + Support + Installation) | 617.778 | 15.812 | 24.833 | 13.640 | - | 13.640 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | Date: March 2014 | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | P-1 Line Item Number / Title: C13000 / C-130 | | | Modification Number / Title: 8578 / C-130 SYSTEMS/STRUCTURE (PHASE II MODERNIZATION) | | | |
| Models of Systems Affected: | | Modification Type: Service Life Extension | | Related RDT&E PEs: 0401115F | | | | | |
| Secondary Distribution | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Support | | | | | | | | | |
| AF | - / 0.070 | - / 13.472 | - / 5.506 | - / - | - / 5.506 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Support</i> | - / 0.070 | - / 13.472 | - / 5.506 | - / - | - / 5.506 | - / - | - / - | - / - | - / - |
| Installation | | | | | | | | | |
| Modification Item 1 of 6: AC-130U | | | | | | | | | |
| Depot | | | | | | | | | |
| AF | 1 / 2.557 | 1 / 2.716 | 2 / 5.534 | - / - | 2 / 5.534 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Depot</i> | 1 / 2.557 | 1 / 2.716 | 2 / 5.534 | - / - | 2 / 5.534 | - / - | - / - | - / - | - / - |
| <i>Subtotal: AC-130U</i> | 1 / 2.557 | 1 / 2.716 | 2 / 5.534 | - / - | 2 / 5.534 | - / - | - / - | - / - | - / - |
| Modification Item 3 of 6: C-130H2/3 | | | | | | | | | |
| Depot | | | | | | | | | |
| AF | 4 / 10.585 | 2 / 6.045 | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| <i>Subtotal: Depot</i> | 4 / 10.585 | 2 / 6.045 | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| <i>Subtotal: C-130H2/3</i> | 4 / 10.585 | 2 / 6.045 | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| Modification Item 4 of 6: EC-130H | | | | | | | | | |
| Contractor Facility | | | | | | | | | |
| AF | 1 / 2.600 | 1 / 2.600 | 1 / 2.600 | - / - | 1 / 2.600 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Contractor Facility</i> | 1 / 2.600 | 1 / 2.600 | 1 / 2.600 | - / - | 1 / 2.600 | - / - | - / - | - / - | - / - |
| <i>Subtotal: EC-130H</i> | 1 / 2.600 | 1 / 2.600 | 1 / 2.600 | - / - | 1 / 2.600 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Installation</i> | 6 / 15.742 | 4 / 11.361 | 3 / 8.134 | - / - | 3 / 8.134 | - / - | - / - | - / - | - / - |
| Total | | | | | | | | | |
| Total: Secondary Distribution, All Modification Items | - / 15.812 | - / 24.833 | - / 13.640 | - / - | - / 13.640 | - / - | - / - | - / - | - / - |

UNCLASSIFIED

| | | |
|---|--|---|
| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: C13000 / C-130 | Modification Number / Title: 8578 / C-130 SYSTEMS/STRUCTURE (PHASE II MODERNIZATION) |

Modification Item 1 of 6: AC-130U

Modification Item MDAP/MAIS Code:

Manufacturer Information

| | |
|--|-------------------------------------|
| Manufacturer Name: Lockheed Martin (3) | Manufacturer Location: Marietta, GA |
| Administrative Leadtime (in Months): 2 | Production Leadtime (in Months): 27 |

| Dates | FY 2013 | FY 2014 | FY 2015 |
|----------------|---------|---------|---------|
| Contract Dates | | | |
| Delivery Dates | | | |

Installation Information

Method of Implementation: Depot

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
|-----------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | 13 / 29.460 | 1 / 2.557 | 1 / 2.716 | 2 / 5.534 | - / - | 2 / 5.534 |
| Secondary Distribution - AF | - / - | 1 / 2.557 | 1 / 2.716 | 2 / 5.534 | - / - | 2 / 5.534 |
| FY 2013 | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | 13 / 29.460 | 1 / 2.557 | 1 / 2.716 | 2 / 5.534 | - / - | 2 / 5.534 |
| Secondary Distribution - AF | - / - | 1 / 2.557 | 1 / 2.716 | 2 / 5.534 | - / - | 2 / 5.534 |

Installation Schedule

| | PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 |
| In | 13 | - | - | 1 | - | - | - | 1 | - | - | 1 | - | 1 |
| Out | 13 | - | - | - | - | - | 1 | - | - | - | 1 | - | - |

UNCLASSIFIED

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: C13000 / C-130 | Modification Number / Title: 8578 / C-130 SYSTEMS/STRUCTURE (PHASE II MODERNIZATION) |

Modification Item 2 of 6: C-130H1

Modification Item MDAP/MAIS Code:

Manufacturer Information

| | |
|--|-------------------------------------|
| Manufacturer Name: Lockheed Martin (5) | Manufacturer Location: Marietta, GA |
| Administrative Leadtime (in Months): 2 | Production Leadtime (in Months): 27 |

| Dates | FY 2013 | FY 2014 | FY 2015 |
|----------------|---------|---------|---------|
| Contract Dates | | | |
| Delivery Dates | | | |

Installation Information

Method of Implementation: Depot

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
|-------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | 28 / 70.067 | - / - | - / - | - / - | - / - | - / - |
| FY 2013 | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | 28 / 70.067 | - / - | - / - | - / - | - / - | - / - |

Installation Schedule

| | PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 |
| In | 28 | - | - | - | - | - | - | - | - | - | - | - | - |
| Out | 28 | - | - | - | - | - | - | - | - | - | - | - | - |

UNCLASSIFIED

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: C13000 / C-130 | Modification Number / Title: 8578 / C-130 SYSTEMS/STRUCTURE (PHASE II MODERNIZATION) |

Modification Item 3 of 6: C-130H2/3

Modification Item MDAP/MAIS Code:

Manufacturer Information

| | |
|--|-------------------------------------|
| Manufacturer Name: Lockheed Martin (6) | Manufacturer Location: Marietta, GA |
| Administrative Leadtime (in Months): 2 | Production Leadtime (in Months): 27 |

| Dates | FY 2013 | FY 2014 | FY 2015 |
|----------------|----------|---------|---------|
| Contract Dates | | | |
| Delivery Dates | Mar 2015 | | |

Installation Information

Method of Implementation: Depot

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
|-----------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | 8 / 19.413 | 4 / 10.585 | 2 / 6.045 | - / - | - / - | - / - |
| Secondary Distribution - AF | - / - | 4 / 10.585 | 2 / 6.045 | - / - | - / - | - / - |
| FY 2013 | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | 8 / 19.413 | 4 / 10.585 | 2 / 6.045 | - / - | - / - | - / - |
| Secondary Distribution - AF | - / - | 4 / 10.585 | 2 / 6.045 | - / - | - / - | - / - |

Installation Schedule

| | PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 |
| In | 8 | 1 | 1 | 1 | 1 | - | 1 | - | 1 | - | - | - | - |
| Out | 8 | - | - | - | 1 | 1 | 1 | 1 | - | 1 | - | 1 | - |

UNCLASSIFIED

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: C13000 / C-130 | Modification Number / Title: 8578 / C-130 SYSTEMS/STRUCTURE (PHASE II MODERNIZATION) |

Modification Item 4 of 6: EC-130H

Modification Item MDAP/MAIS Code:

Manufacturer Information

| | |
|--|-------------------------------------|
| Manufacturer Name: Lockheed Martin (2) | Manufacturer Location: Marietta, GA |
| Administrative Leadtime (in Months): 2 | Production Leadtime (in Months): 27 |

| Dates | FY 2013 | FY 2014 | FY 2015 |
|----------------|---------|---------|---------|
| Contract Dates | | | |
| Delivery Dates | | | |

Installation Information

Method of Implementation: Contractor Facility

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
|-----------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | 9 / 23.594 | 1 / 2.600 | 1 / 2.600 | 1 / 2.600 | - / - | 1 / 2.600 |
| Secondary Distribution - AF | - / - | 1 / 2.600 | 1 / 2.600 | 1 / 2.600 | - / - | 1 / 2.600 |
| FY 2013 | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | 9 / 23.594 | 1 / 2.600 | 1 / 2.600 | 1 / 2.600 | - / - | 1 / 2.600 |
| Secondary Distribution - AF | - / - | 1 / 2.600 | 1 / 2.600 | 1 / 2.600 | - / - | 1 / 2.600 |

Installation Schedule

| PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | |
|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|
| | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 |
| In | 9 | - | 1 | - | - | 1 | - | - | - | 1 | - | - |
| Out | 8 | 1 | - | - | 1 | - | - | - | 1 | - | - | - |

UNCLASSIFIED

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: C13000 / C-130 | Modification Number / Title: 8578 / C-130 SYSTEMS/STRUCTURE (PHASE II MODERNIZATION) |

Modification Item 5 of 6: HC-130
Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Lockheed Martin (4) Manufacturer Location: Marietta, GA
 Administrative Leadtime (in Months): 2 Production Leadtime (in Months): 27

| Dates | FY 2013 | FY 2014 | FY 2015 |
|----------------|---------|---------|---------|
| Contract Dates | | | |
| Delivery Dates | | | |

Installation Information

Method of Implementation: Depot

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
|-------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | 4 / 10.890 | - / - | - / - | - / - | - / - | - / - |
| FY 2013 | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | 4 / 10.890 | - / - | - / - | - / - | - / - | - / - |

Installation Schedule

| PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | | |
|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---|
| | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | |
| In | 4 | - | - | - | - | - | - | - | - | - | - | - | - |
| Out | 4 | - | - | - | - | - | - | - | - | - | - | - | - |

UNCLASSIFIED

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: C13000 / C-130 | Modification Number / Title: 8578 / C-130 SYSTEMS/STRUCTURE (PHASE II MODERNIZATION) |

Modification Item 6 of 6: MC-130H
Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Lockheed Martin (1) Manufacturer Location: Marietta, GA
 Administrative Leadtime (in Months): 2 Production Leadtime (in Months): 27

| Dates | FY 2013 | FY 2014 | FY 2015 |
|----------------|---------|---------|---------|
| Contract Dates | | | |
| Delivery Dates | | | |

Installation Information

Method of Implementation: Depot

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | 20 / 38.410 | - / - | - / - | - / - | - / - | - / - |
| FY 2013 | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | 20 / 38.410 | - / - | - / - | - / - | - / - | - / - |

Installation Schedule

| | PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 |
| In | 20 | - | - | - | - | - | - | - | - | - | - | - | - |
| Out | 20 | - | - | - | - | - | - | - | - | - | - | - | - |

UNCLASSIFIED

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: C13000 / C-130 | Modification Number / Title: 1 / 8.33 kHz Radios -- Minimize C-130 CNS/ATM Program |

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO[#] | FY 2015 Total |
|---|--------------------|----------------|----------------|---------------------|--------------------------------|----------------------|
| Procurement Quantity <i>(Units in Each)</i> | - | - | - | - | - | - |
| Gross/Weapon System Cost <i>(\$ in Millions)</i> | - | - | 9.922 | 7.447 | - | 7.447 |
| Less PY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - |
| Net Procurement (P1) <i>(\$ in Millions)</i> | - | - | 9.922 | 7.447 | - | 7.447 |
| Plus CY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - |
| Total Obligation Authority <i>(\$ in Millions)</i> | - | - | 9.922 | 7.447 | - | 7.447 |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> | | | | | | |
| Initial Spares <i>(\$ in Millions)</i> | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost <i>(\$ in Millions)</i> | - | - | - | - | - | - |

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

With FY13 PB proposed cancellation of the C-130 Avionics Modernization Program (AMP), the Minimize C-130 Communication, Navigation, Surveillance/Air Traffic Management (CNS/ATM) option addresses Federal Aviation Administration/International Civil Aviation Organization (FAA/ICAO) CNS/ATM mandates and provides a minimal airspace compliance focused program to modify 178 C-130H aircraft with ADS-B Out equipment, 8.33 kHz radios, updated cockpit voice and digital flight data recorders, and Enhanced Mode S.

The 178 aircraft Minimize C-130 CNS/ATM program is comprised of H3s, H2.5s, H2s and H1s; and includes 28 Active Duty, 102 Guard, and 48 Reserve aircraft. The modification effort will be completed in three phases: Phase A updates 8.33 kHz radios on 150 aircraft (28 C-130H1s previously modified); Phase B modifies cockpit voice and digital data recorders (CVR/DVR) for 178 aircraft; Phase C relates to ADS-B Out and Enhanced Mode S modifications. Phase C will have 4 prototype aircraft required for accomplishment of the ADS-B Out Engineering and Manufacturing Development (EMD) phase, with the remaining 174 being production aircraft. The prototype aircraft represent each type of C-130H configuration listed above.

Current schedule is for the EMD contract to be awarded, following a competitive source selection. Program actions include initiating program requirements and pre-contract efforts in preparation for the EMD source selection phase of the program.

Milestone/Development Status

Pre-EMD

| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
|-------------------------------|----------------------------|----------------|----------------|---------------------|--------------------|----------------------|
| AF | Quantity | - | - | - | - | - |
| | Total Obligation Authority | - | 5.547 | 2.447 | - | 2.447 |
| AFNG | Quantity | - | - | - | - | - |
| | Total Obligation Authority | - | 3.000 | 2.875 | - | 2.875 |

UNCLASSIFIED

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: C13000 / C-130 | Modification Number / Title: 1 / 8.33 kHz Radios -- Minimize C-130 CNS/ATM Program |

| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
|--|-----------------------------------|---------|--------------|-----------------|----------------|------------------|
| AFR | Quantity | - | - | - | - | - |
| | Total Obligation Authority | - | 1.375 | 2.125 | - | 2.125 |
| Total: Secondary Distribution | Quantity | - | - | - | - | - |
| | Total Obligation Authority | - | 9.922 | 7.447 | - | 7.447 |

UNCLASSIFIED

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|---|-----------------------------------|--|--|-----------------------------------|---|-----------------------------------|
| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | Date: March 2014 | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | P-1 Line Item Number / Title: C13000 / C-130 | | Modification Number / Title: 1 / 8.33 kHz Radios -- Minimize C-130 CNS/ATM Program | |
| Models of Systems Affected: C-130H | | Modification Type: Capability Improvement | | | Related RDT&E PEs: 0401115F | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| RDT&E PE # | | | | | | |
| 0401115F | - / - | - / 4.980 | - / 0.400 | - / - | - / - | - / - |
| Procurement | | | | | | |
| Modification Item 1 of 1: Enter Kit Name (45) | | | | | | |
| A Kits | | | | | | |
| Recurring | | | | | | |
| Enter Kit Name:INSTALL KITS Group A (Guard) | - / - | - / - | 19 / 0.120 | 20 / 0.115 | - / - | 20 / 0.115 |
| Enter Kit Name:INSTALL KITS Group A (Reserve) | - / - | - / - | 11 / 0.055 | 10 / 0.085 | - / - | 10 / 0.085 |
| Subtotal: Recurring | - / - | - / - | - / 0.175 | - / 0.200 | - / - | - / 0.200 |
| B Kits | | | | | | |
| Recurring | | | | | | |
| Enter Kit Name:EQUIPMENT Group B (Guard) | - / - | - / - | 19 / 2.880 | 20 / 2.760 | - / - | 20 / 2.760 |
| Enter Kit Name:EQUIPMENT Group B (Reserve) | - / - | - / - | 11 / 1.320 | 10 / 2.040 | - / - | 10 / 2.040 |
| Subtotal: Recurring | - / - | - / - | - / 4.200 | - / 4.800 | - / - | - / 4.800 |
| Subtotal: Enter Kit Name (45) | - / - | - / - | - / 4.375 | - / 5.000 | - / - | - / 5.000 |
| Subtotal: Procurement, All Modification Items | - / - | - / - | - / 4.375 | - / 5.000 | - / - | - / 5.000 |
| Support (All Modification Items) | | | | | | |
| GROUP A: TOTAL NONRECURRING | - / - | - / - | - / 2.000 | - / - | - / - | - / - |
| Data | - / - | - / - | - / 2.000 | - / - | - / - | - / - |
| SUPPORT-EQUIP | - / - | - / - | - / 0.997 | - / 1.575 | - / - | - / 1.575 |
| ICS-Labor | - / - | - / - | - / 0.300 | - / 0.300 | - / - | - / 0.300 |
| OTHER GOVT | - / - | - / - | - / - | - / 0.322 | - / - | - / 0.322 |
| PMA - Contractor Services | - / - | - / - | - / 0.250 | - / 0.250 | - / - | - / 0.250 |
| Subtotal: Support | - / - | - / - | - / 5.547 | - / 2.447 | - / - | - / 2.447 |
| Installation | | | | | | |
| Subtotal: Installation | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | | | | | | |
| Total Cost (Procurement + Support + Installation) | - | - | 9.922 | 7.447 | - | 7.447 |

UNCLASSIFIED

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | P-1 Line Item Number / Title: C13000 / C-130 |
| | | Modification Number / Title: 1 / 8.33 kHz Radios -- Minimize C-130 CNS/ATM Program |

| | | |
|------------------------------------|--|--|
| Models of Systems Affected: | Modification Type: Capability Improvement | Related RDT&E PEs: 0401115F |
|------------------------------------|--|--|

| Secondary Distribution | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|--|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Procurement | | | | | | | | | |
| <i>Modification Item 1 of 1: Enter Kit Name (45)</i> | | | | | | | | | |
| AFNG | - / - | - / 3.000 | - / 2.875 | - / - | - / 2.875 | - / - | - / - | - / - | - / - |
| AFR | - / - | - / 1.375 | - / 2.125 | - / - | - / 2.125 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Enter Kit Name (45) Secondary Distribution</i> | - / - | - / 4.375 | - / 5.000 | - / - | - / 5.000 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Procurement, All Modification Items</i> | - / - | - / 4.375 | - / 5.000 | - / - | - / 5.000 | - / - | - / - | - / - | - / - |
| Support | | | | | | | | | |
| AF | - / - | - / 5.547 | - / 2.447 | - / - | - / 2.447 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Support</i> | - / - | - / 5.547 | - / 2.447 | - / - | - / 2.447 | - / - | - / - | - / - | - / - |
| Total | | | | | | | | | |
| Total: Secondary Distribution, All Modification Items | - / - | - / 9.922 | - / 7.447 | - / - | - / 7.447 | - / - | - / - | - / - | - / - |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | P-1 Line Item Number / Title: C13000 / C-130 | |
| | | Modification Number / Title: 1 / 8.33 kHz Radios -- Minimize C-130 CNS/ATM Program | |
| Modification Item 1 of 1: Enter Kit Name (45) | | | |
| Modification Item MDAP/MAIS Code: | | | |
| Manufacturer Information | | | |
| Manufacturer Name: TBD | | Manufacturer Location: TBD | |
| Administrative Leadtime (<i>in Months</i>): 8 | | Production Leadtime (<i>in Months</i>): 7 | |
| Dates | FY 2013 | FY 2014 | FY 2015 |
| Contract Dates | | Jun 2014 | Oct 2014 |
| Delivery Dates | | Jan 2015 | May 2015 |
| Installation Information | | | |
| Method of Implementation (Organic): Org/Intermediate | | Installation Quantity: 150 | |
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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: C13000 / C-130 | Modification Number / Title: 2 / CVR/DVR -- Minimize C-130 CNS/ ATM Program |

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO[#] | FY 2015 Total |
|---|--------------------|----------------|----------------|---------------------|--------------------------------|----------------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | - | - | 4.278 | 7.151 | - | 7.151 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - |
| Net Procurement (P1) (<i>\$ in Millions</i>) | - | - | 4.278 | 7.151 | - | 7.151 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | - | - | 4.278 | 7.151 | - | 7.151 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | |
|---|---|---|---|---|---|---|
| Initial Spares (<i>\$ in Millions</i>) | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - |

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

With FY13 PB proposed cancellation of the C-130 Avionics Modernization Program (AMP), the Minimize C-130 Communication, Navigation, Surveillance/Air Traffic Management (CNS/ATM) option addresses Federal Aviation Administration/International Civil Aviation Organization (FAA/ICAO) CNS/ATM mandates and provides a minimal airspace compliance focused program to modify 178 C-130H aircraft with ADS-B Out equipment, 8.33 kHz radios, updated cockpit voice and digital flight data recorders, and Enhanced Mode S.

The 178 aircraft Minimize C-130 CNS/ATM program is comprised of H3s, H2.5s, H2s and H1s; and includes 28 Active Duty, 102 Guard, and 48 Reserve aircraft. The modification effort will be completed in three phases: Phase A updates 8.33 kHz radios on 150 aircraft (28 C-130H1s previously modified); Phase B modifies cockpit voice and digital data recorders (CVR/DVR) for 178 aircraft; Phase C relates to ADS-B Out and Enhanced Mode S modifications. Phase C will have 4 prototype aircraft required for accomplishment of the ADS-B Out Engineering and Manufacturing Development (EMD) phase, with the remaining 174 being production aircraft. The prototype aircraft represent each type of C-130H configuration listed above.

Current schedule is for the EMD contract to be awarded, following a competitive source selection. Program actions include initiating program requirements and pre-contract efforts in preparation for the EMD source selection phase of the program.

Milestone/Development Status

Pre-EMD

| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
|-------------------------------|----------------------------|----------------|----------------|---------------------|--------------------|----------------------|
| AF | Quantity | - | - | - | - | - |
| | Total Obligation Authority | - | 4.278 | 7.151 | - | 7.151 |
| Total: | Quantity | - | - | - | - | - |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | Date: March 2014 | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | P-1 Line Item Number / Title: C13000 / C-130 | | Modification Number / Title: 2 / CVR/DVR -- Minimize C-130 CNS/ ATM Program | | |
| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
| Secondary Distribution | Total Obligation Authority | - | 4.278 | 7.151 | - | 7.151 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | Date: March 2014 | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | P-1 Line Item Number / Title: C13000 / C-130 | | | Modification Number / Title: 2 / CVR/DVR -- Minimize C-130 CNS/ ATM Program | | |
| Models of Systems Affected: C-130H | | | Modification Type: Capability Improvement | | | Related RDT&E PEs: 0401115F | | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | | |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | | |
| RDT&E PE # | | | | | | | | |
| 0401115F | - / - | - / 4.980 | - / 0.400 | - / - | - / - | - / - | - | - |
| Procurement | | | | | | | | |
| Modification Item 1 of 1: KITS | | | | | | | | |
| B Kits | | | | | | | | |
| Recurring | | | | | | | | |
| KITS:EQUIPMENT Group B (Active) | - / - | - / - | - / - | - / - | - / - | - / - | - | - |
| <i>Subtotal: Recurring</i> | - / - | - / - | - / - | - / - | - / - | - / - | - | - |
| <i>Subtotal: KITS</i> | - / - | - / - | - / - | - / - | - / - | - / - | - | - |
| <i>Subtotal: Procurement, All Modification Items</i> | - / - | - / - | - / - | - / - | - / - | - / - | - | - |
| Support (All Modification Items) | | | | | | | | |
| GROUP A: TOTAL NONRECURRING | - / - | - / - | - / 1.500 | - / 2.000 | - / - | - / 2.000 | - | - |
| GROUP B: TOTAL NONRECURRING | - / - | - / - | - / - | - / 0.500 | - / - | - / 0.500 | - | - |
| Data | - / - | - / - | - / 1.000 | - / 1.000 | - / - | - / 1.000 | - | - |
| SUPPORT-EQUIP | - / - | - / - | - / - | - / 1.875 | - / - | - / 1.875 | - | - |
| PMA - Contractor Services | - / - | - / - | - / 0.278 | - / 0.276 | - / - | - / 0.276 | - | - |
| ICS-Labor | - / - | - / - | - / 1.500 | - / 1.500 | - / - | - / 1.500 | - | - |
| <i>Subtotal: Support</i> | - / - | - / - | - / 4.278 | - / 7.151 | - / - | - / 7.151 | - | - |
| Installation | | | | | | | | |
| <i>Subtotal: Installation</i> | - / - | - / - | - / - | - / - | - / - | - / - | - | - |
| Total | | | | | | | | |
| Total Cost (Procurement + Support + Installation) | - | - | 4.278 | 7.151 | - | 7.151 | - | 7.151 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: C13000 / C-130 | Modification Number / Title: 2 / CVR/DVR -- Minimize C-130 CNS/ ATM Program |

| | | |
|------------------------------------|--|--|
| Models of Systems Affected: | Modification Type: Capability Improvement | Related RDT&E PEs: 0401115F |
|------------------------------------|--|--|

| Secondary Distribution | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|--|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Support | | | | | | | | | |
| AF | - / - | - / 4.278 | - / 7.151 | - / - | - / 7.151 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Support</i> | - / - | - / 4.278 | - / 7.151 | - / - | - / 7.151 | - / - | - / - | - / - | - / - |
| Total | | | | | | | | | |
| Total: Secondary Distribution, All Modification Items | - / - | - / 4.278 | - / 7.151 | - / - | - / 7.151 | - / - | - / - | - / - | - / - |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | P-1 Line Item Number / Title: C13000 / C-130 | |
| Modification Number / Title: 2 / CVR/DVR -- Minimize C-130 CNS/ ATM Program | | | |
| Modification Item 1 of 1: KITS | | | |
| Modification Item MDAP/MAIS Code: | | | |
| Manufacturer Information | | | |
| Manufacturer Name: TBD | | Manufacturer Location: TBD | |
| Administrative Leadtime (<i>in Months</i>): 9 | | Production Leadtime (<i>in Months</i>): 9 | |
| Dates | FY 2013 | FY 2014 | FY 2015 |
| Contract Dates | | | |
| Delivery Dates | | | |
| Installation Information | | | |
| Method of Implementation (Organic): Org/Intermediate | | Installation Quantity: 0 | |
| | | | |

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
C1300J / C-130J MODS

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0401132F **Other Related Program Elements:** 0401132F, 0401134F, 0401897F

Line Item MDAP/MAIS Code: 220 **Item MDAP/MAIS Code(s):**

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO [#] | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|---|---------------|---------------|--------------|--------------|--------------------------|---------------|---------------|---------------|---------------|---------------|------------------|------------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 68.277 | 42.200 | 8.788 | 7.919 | - | 7.919 | 42.809 | 64.499 | 65.710 | 66.940 | 1,114.071 | 1,481.213 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (<i>\$ in Millions</i>) | 68.277 | 42.200 | 8.788 | 7.919 | - | 7.919 | 42.809 | 64.499 | 65.710 | 66.940 | 1,114.071 | 1,481.213 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 68.277 | 42.200 | 8.788 | 7.919 | - | 7.919 | 42.809 | 64.499 | 65.710 | 66.940 | 1,114.071 | 1,481.213 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial Spares (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Flyaway Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

The C-130J is a medium-size transport aircraft capable of performing a variety of combat delivery (tactical airlift) operations across a broad range of mission environments. The C-130J aircraft, with its extended (by 15 ft) fuselage, provides additional cargo carrying capacity for the USAF combat delivery mission compared with legacy C-130E/Hs and the C-130J (short).

Other variants of the USAF C-130J fleet are all short-bodied aircraft and include the EC-130J (airborne psychological operations), WC-130J (weather reconnaissance), HC-130J (combat search and rescue), MC-130J (special operations), and the AC-130J (close air support and armed reconnaissance).

As of 1 Feb 2014, there are 147 USAF C-130J Variants: C-130J - 89, C-130J (short) - 10, WC-130J - 10, EC-130J - 7, HC-130J - 11, MC-130J - 19, AC-130J - 1. The designed service life is 35 years and the average service life remaining is 27.5 years.

Funding for this exhibit is contained in PE 0401132F.

In FY15, the center wing box replacement program continues with the intallation of one enhanced service life (ESL) center wing (ESL). Since Nov 2009, all production C-130Js have been delivered with the ESL center wing.

Blocks 7.0 and 8.1 together will allow the C-130J to meet all known Communication, Navigation and Surveillance/Air Traffic Management (CNS/ATM) and naviagtion safety mandates.

In order to better manage the fleet and avoid having to simultaneously support three separate aircraft configurations (Block 6, Block 7 and Block 8.1), Blocks 7.0 and 8.1 have been combined. This way the aircraft and trainers will only have to be modified one time.

The international C-130J Block 7 collaborative development program will complete in 2013. Block 8.1 is in development and we will begin ordering Block 7.0/8.1 kits in 2016 under Mod #5222, Block 8.1.

NOTE: USMC KC-130Js and USCG HC-130Js are following USAF's lead and will also field a combined Block 7/8.1 aircraft.

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
C1300J / C-130J MODS

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0401132F **Other Related Program Elements:** 0401132F, 0401134F, 0401897F

Line Item MDAP/MAIS Code: 220 **Item MDAP/MAIS Code(s):**

| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|--------------------------------------|-----------------------------------|---------------|--------------|--------------|-------------|---------------|---------------|---------------|---------------|---------------|
| AF | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 42.139 | 8.788 | 7.919 | - | 7.919 | 42.809 | 64.499 | 65.710 | 66.940 |
| AFNG | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 0.039 | - | - | - | - | - | - | - | - |
| AFR | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 0.022 | - | - | - | - | - | - | - | - |
| Total: Secondary Distribution | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 42.200 | 8.788 | 7.919 | - | 7.919 | 42.809 | 64.499 | 65.710 | 66.940 |

| Exhibits Schedule | | Prior Years | | | FY 2013 | | | FY 2014 | | | FY 2015 Base | | | FY 2015 OCO | | | FY 2015 Total | | | |
|---|----------|-------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|
| Title* | Exhibits | ID CD | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 1 / C-130J Tactics Training | P-40a*** | | - | - | 0.337 | - | - | 8.133 | - | - | 7.545 | - | - | - | - | - | - | - | - | - |
| Item - 2 / Avionics System and Structural Modifications | P-40a*** | | - | - | 20.025 | - | - | 3.177 | - | - | 0.300 | - | - | 0.433 | - | - | - | - | - | 0.433 |
| Item - 3 / BLOCK 8.0 | P-40a*** | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Item - 4 / Wind Gust Brake | P-40a*** | | - | - | 38.911 | - | - | 0.060 | - | - | 0.201 | - | - | 0.148 | - | - | - | - | - | 0.148 |
| Item - 5 / LOW COST MODIFICATIONS | P-40a*** | | - | - | 9.004 | - | - | - | - | - | - | - | - | 0.001 | - | - | - | - | - | 0.001 |
| P-3a - 8646 / C-130J Center Wing Replacement | P-3a | | - | - | - | - | - | 30.830 | - | - | 0.742 | - | - | 7.337 | - | - | - | - | - | 7.337 |
| Total Gross/Weapon System Cost | | | - | - | 68.277 | - | - | 42.200 | - | - | 8.788 | - | - | 7.919 | - | - | - | - | - | 7.919 |

| Exhibits Schedule | | FY 2016 | | | FY 2017 | | | FY 2018 | | | FY 2019 | | | To Complete | | | Total | | | |
|---|----------|---------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|
| Title* | Exhibits | ID CD | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 1 / C-130J Tactics Training | P-40a*** | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 16.015 |
| Item - 2 / Avionics System and Structural Modifications | P-40a*** | | - | - | 0.133 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 24.068 |

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
C1300J / C-130J MODS

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0401132F **Other Related Program Elements:** 0401132F, 0401134F, 0401897F

Line Item MDAP/MAIS Code: 220 **Item MDAP/MAIS Code(s):**

| Exhibits Schedule | | ID CD | FY 2016 | | | FY 2017 | | | FY 2018 | | | FY 2019 | | | To Complete | | | Total | | |
|--|----------|----------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|
| Title* | Exhibits | | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 3 / BLOCK 8.0 | P-40a*** | | - | - | 28.723 | - | - | 63.999 | - | - | 65.209 | - | - | 66.440 | - | - | 1,114.071 | - | - | 1,338.442 |
| Item - 4 / Wind Gust Brake | P-40a*** | | - | - | 0.114 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 39.434 |
| Item - 5 / LOW COST MODIFICATIONS | P-40a*** | | - | - | 0.501 | - | - | 0.500 | - | - | 0.501 | - | - | 0.500 | - | - | - | - | - | 11.007 |
| P-3a - 8646 / C-130J Center Wing Replacement | P-3a | | - | - | 13.338 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 52.247 |
| Total Gross/Weapon System Cost | | | - | - | 42.809 | - | - | 64.499 | - | - | 65.710 | - | - | 66.940 | - | - | 1,114.071 | - | - | 1,481.213 |

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

*For Items, Title represents the Item Number / Title [DODIC]. For the P-3a, Title represents the Modification Number / Title.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | Date: March 2014 | | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | | P-1 Line Item Number / Title: C1300J / C-130J MODS | | | | Modification Number / Title: 8646 / C-130J Center Wing Replacement | | | | |

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|---|--------------------|----------------|----------------|---------------------|---------------------|----------------------|----------------|----------------|----------------|----------------|--------------------|---------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | - | 30.830 | 0.742 | 7.337 | - | 7.337 | 13.338 | - | - | - | - | 52.247 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (<i>\$ in Millions</i>) | - | 30.830 | 0.742 | 7.337 | - | 7.337 | 13.338 | - | - | - | - | 52.247 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | - | 30.830 | 0.742 | 7.337 | - | 7.337 | 13.338 | - | - | - | - | 52.247 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial Spares (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

This program replaces the Center Wing Box (CWB) on C-130J aircraft with an extended service life (ESL) center wing. The ESL wing has been the standard production wing since Nov 2009. The first 77 C-130Js were built with the legacy C-130H center wing. The legacy wing has a life of 38,500 equivalent flying hours (EFH) before flight restrictions are imposed. The severity of the flight environment dictates how rapidly a wing needs to be replaced. The planes at the C-130J schoolhouse require replacement first, as virtually all of their flight hours are tactical. Validated Requirements Document: AF IMT 067 (Modification Proposal) AMC-11-115, dated 19 Sep 11.

The FY15 funding procures 1 trial kit installation, 1 partial verification kit installation, and PMA. Note: There is no Group B associated with this effort.

Milestone/Development Status

N/A

| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|--------------------------------------|----------------------------|----------------|----------------|---------------------|--------------------|----------------------|----------------|----------------|----------------|----------------|
| AF | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 30.830 | 0.742 | 7.337 | - | 7.337 | 13.338 | - | - | - |
| Total: Secondary Distribution | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 30.830 | 0.742 | 7.337 | - | 7.337 | 13.338 | - | - | - |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | | | | Date: March 2014 | | | |
|---|--------------------------------|--------------------------------|--------------------------------|--|--|--------------------------------|--------------------------------|--|--------------------------------|--|--------------------------------|--------------------------------|--|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | | | P-1 Line Item Number / Title: C1300J / C-130J MODS | | | | | Modification Number / Title: 8646 / C-130J Center Wing Replacement | | | |
| Models of Systems Affected: C-130J | | | | Modification Type: Service Life Extension | | | | Related RDT&E PEs: 0401132F | | | | | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total | |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | |
| Procurement | | | | | | | | | | | | | |
| <i>Modification Item 1 of 1: C-130J CWR Contract 1</i> | | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| C-130J CWR Contract 1:INSTALL KITS Group A (Active) | - / - | 5 / 18.933 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 5 / 18.933 | |
| <i>Subtotal: Recurring</i> | - / - | - / 18.933 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 18.933 | |
| <i>Subtotal: C-130J CWR Contract 1</i> | - / - | - / 18.933 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 18.933 | |
| <i>Subtotal: Procurement, All Modification Items</i> | - / - | - / 18.933 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 18.933 | |
| Support (All Modification Items) | | | | | | | | | | | | | |
| GROUP A: TOTAL NONRECURRING | - / - | - / 10.952 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 10.952 | |
| Change Orders | - / - | - / - | - / - | - / 1.705 | - / - | - / 1.705 | - / - | - / - | - / - | - / - | - / - | - / 1.705 | |
| Data | - / - | - / - | - / - | - / - | - / - | - / - | - / 0.125 | - / - | - / - | - / - | - / - | - / 0.125 | |
| PMA - Contractor Services | - / - | - / 0.915 | - / 0.712 | - / 0.627 | - / - | - / 0.627 | - / 0.526 | - / - | - / - | - / - | - / - | - / 2.780 | |
| A&AS | - / - | - / - | - / - | - / - | - / - | - / - | - / 0.174 | - / - | - / - | - / - | - / - | - / 0.174 | |
| PMA - Other Gov't Costs | - / - | - / 0.030 | - / 0.030 | - / 0.030 | - / - | - / 0.030 | - / 0.030 | - / - | - / - | - / - | - / - | - / 0.120 | |
| <i>Subtotal: Support</i> | - / - | - / 11.897 | - / 0.742 | - / 2.362 | - / - | - / 2.362 | - / 0.855 | - / - | - / - | - / - | - / - | - / 15.856 | |
| Installation | | | | | | | | | | | | | |
| <i>Modification Item 1 of 1: C-130J CWR Contract 1</i> | - / - | - / - | - / - | - / 4.975 | - / - | - / 4.975 | 2 / 12.483 | 3 / - | - / - | - / - | - / - | 5 / 17.458 | |
| <i>Subtotal: Installation</i> | - / - | - / - | - / - | - / 4.975 | - / - | - / 4.975 | 2 / 12.483 | 3 / - | - / - | - / - | - / - | 5 / 17.458 | |
| Total | | | | | | | | | | | | | |
| Total Cost (Procurement + Support + Installation) | - | 30.830 | 0.742 | 7.337 | - | 7.337 | 13.338 | - | - | - | - | 52.247 | |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | Date: March 2014 | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | P-1 Line Item Number / Title: C1300J / C-130J MODS | | | Modification Number / Title: 8646 / C-130J Center Wing Replacement | | | | |
| Models of Systems Affected: | | Modification Type: Service Life Extension | | Related RDT&E PEs: 0401132F | | | | | | |
| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
| | | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Procurement | | | | | | | | | | |
| Modification Item 1 of 1: C-130J CWR Contract 1 | | | | | | | | | | |
| AF | | - / 18.933 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| <i>Subtotal: C-130J CWR Contract 1 Secondary Distribution</i> | | - / 18.933 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| <i>Subtotal: Procurement, All Modification Items</i> | | - / 18.933 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| Support | | | | | | | | | | |
| AF | | - / 11.897 | - / 0.742 | - / 2.362 | - / - | - / 2.362 | - / 0.855 | - / - | - / - | - / - |
| <i>Subtotal: Support</i> | | - / 11.897 | - / 0.742 | - / 2.362 | - / - | - / 2.362 | - / 0.855 | - / - | - / - | - / - |
| Installation | | | | | | | | | | |
| Modification Item 1 of 1: C-130J CWR Contract 1 | | | | | | | | | | |
| Depot | | | | | | | | | | |
| AF | | - / - | - / - | - / 4.975 | - / - | - / 4.975 | 2 / 12.483 | 3 / - | - / - | - / - |
| <i>Subtotal: Depot</i> | | - / - | - / - | - / 4.975 | - / - | - / 4.975 | 2 / 12.483 | 3 / - | - / - | - / - |
| <i>Subtotal: C-130J CWR Contract 1</i> | | - / - | - / - | - / 4.975 | - / - | - / 4.975 | 2 / 12.483 | 3 / - | - / - | - / - |
| <i>Subtotal: Installation</i> | | - / - | - / - | - / 4.975 | - / - | - / 4.975 | 2 / 12.483 | 3 / - | - / - | - / - |
| Total | | | | | | | | | | |
| Total: Secondary Distribution, All Modification Items | | - / 30.830 | - / 0.742 | - / 7.337 | - / - | - / 7.337 | - / 13.338 | - / - | - / - | - / - |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: C1300J / C-130J MODS | Modification Number / Title: 8646 / C-130J Center Wing Replacement |

Modification Item 1 of 1: C-130J CWR Contract 1

Modification Item MDAP/MAIS Code:

Manufacturer Information

| | | | | | | | |
|---|----------------|----------------|----------------|-------------------------------------|----------------|----------------|----------------|
| Manufacturer Name: Lockheed Martin Aero | | | | Manufacturer Location: Marietta GA | | | |
| Administrative Leadtime (in Months): 0 | | | | Production Leadtime (in Months): 27 | | | |
| Dates | FY 2013 | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
| Contract Dates | Dec 2013 | | | | | | |
| Delivery Dates | Mar 2016 | | | | | | |

Installation Information

Method of Implementation: Depot

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|-----------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2013 | - / - | - / - | - / - | - / 14.975 | - / - | - / 14.975 | 2 / 12.483 | 3 / - | - / - | - / - | - / - | 5 / 17.458 |
| Secondary Distribution - AF | - / - | - / - | - / - | - / 14.975 | - / - | - / 14.975 | 2 / 12.483 | 3 / - | - / - | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2016 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2017 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2018 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2019 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| To Complete | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | - / - | - / - | - / - | - / 14.975 | - / - | - / 14.975 | 2 / 12.483 | 3 / - | - / - | - / - | - / - | 5 / 17.458 |
| Secondary Distribution - AF | - / - | - / - | - / - | - / 14.975 | - / - | - / 14.975 | 2 / 12.483 | 3 / - | - / - | - / - | - / - | - / - |

Installation Schedule

| | PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | | FY 2016 | | | | FY 2017 | | | | FY 2018 | | | | FY 2019 | | | | TC | Tot | |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|---|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | | |
| In | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 1 | - | 1 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | 5 |
| Out | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 1 | - | 1 | 1 | 1 | - | - | - | - | - | - | - | 5 |

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

| | |
|---|--|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft | P-1 Line Item Number / Title: C13500 / C-135 |
|---|--|

| ID Code (A=Service Ready, B=Not Service Ready) : | Program Elements for Code B Items: 0401218F | | | | | | Other Related Program Elements: 0401134F, 0401218F, 0401897F | | | | | |
|---|---|---------------|---------------|---------------|--------------|---------------|--|---------------|---------------|---------------|-------------|----------------|
| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
| Procurement Quantity (Units in Each) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (\$ in Millions) | 57.427 | 23.426 | 29.556 | 63.568 | - | 63.568 | 59.308 | 54.560 | 55.583 | 56.624 | - | 400.052 |
| Less PY Advance Procurement (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (\$ in Millions) | 57.427 | 23.426 | 29.556 | 63.568 | - | 63.568 | 59.308 | 54.560 | 55.583 | 56.624 | - | 400.052 |
| Plus CY Advance Procurement (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (\$ in Millions) | 57.427 | 23.426 | 29.556 | 63.568 | - | 63.568 | 59.308 | 54.560 | 55.583 | 56.624 | - | 400.052 |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> | | | | | | | | | | | | |
| Initial Spares (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Flyaway Unit Cost (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

The C-135 is a four engine aircraft used for long range cargo and passenger airlift and to support theater commanders. The four engine KC-135 provides air refueling through either the refueling boom or drogue. As a cargo aircraft, the KC-135 can carry six standard 463-L pallets. There are 400 aircraft (396 KCs, 4 special purpose) in the C-135 inventory. The average age is 52 years, with 26 years of service life remaining (projected service life of 2040). The primary modifications in FY15 are Block 45, VHF Omni-Directional Radio (VOR)/Instrument Landing System (ILS) Antennae and Low Cost Modifications (LCMs) that address obsolescence and improve flight safety, reliability, and maintainability.

In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

Funding for this exhibit contained in PEs 0401218F and 0401897F.

| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|------------------------|----------------------------|---------|---------|--------------|-------------|---------------|---------|---------|---------|---------|
| AF | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 14.532 | 29.505 | 33.544 | - | 33.544 | - | - | - | - |
| AFNG | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 6.482 | 0.038 | 21.299 | - | 21.299 | - | - | - | - |
| AFR | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 2.412 | 0.013 | 8.725 | - | 8.725 | - | - | - | - |

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
C13500 / C-135

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0401218F **Other Related Program Elements:** 0401134F, 0401218F, 0401897F

| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|-------------------------------|-----------------------------------|---------|---------|--------------|-------------|---------------|---------|---------|---------|---------|
| Total: | Quantity | - | - | - | - | - | - | - | - | - |
| Secondary Distribution | Total Obligation Authority | 23.426 | 29.556 | 63.568 | - | 63.568 | - | - | - | - |

| Exhibits Schedule | | Prior Years | | | FY 2013 | | | FY 2014 | | | FY 2015 Base | | | FY 2015 OCO | | | FY 2015 Total | | | |
|--|----------|-------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|
| Title* | Exhibits | ID CD | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 1 / VOR/ILS ANTENNAE | P-40a*** | | - | - | 3.686 | - | - | 2.452 | - | - | 0.051 | - | - | 1.727 | - | - | - | - | - | 1.727 |
| Item - 2 / Visual System Replacement (VSR) | P-40a*** | | - | - | 29.431 | - | - | 0.336 | - | - | - | - | - | - | - | - | - | - | - | - |
| Item - 3 / LOW COST SAFETY MODIFICATIONS | P-40a*** | | - | - | 0.025 | - | - | 0.025 | - | - | 0.025 | - | - | 0.025 | - | - | - | - | - | 0.025 |
| Item - 4 / LOW COST MODIFICATIONS | P-40a*** | | - | - | 4.272 | - | - | 0.692 | - | - | 1.995 | - | - | 0.471 | - | - | - | - | - | 0.471 |
| P-3a - 8653 / BLOCK 45 | P-3a | | - | - | 20.013 | - | - | 19.921 | - | - | 27.485 | - | - | 61.345 | - | - | - | - | - | 61.345 |
| Total Gross/Weapon System Cost | | | - | - | 57.427 | - | - | 23.426 | - | - | 29.556 | - | - | 63.568 | - | - | - | - | - | 63.568 |

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

*For Items, Title represents the Item Number / Title [DODIC]. For the P-3a, Title represents the Modification Number / Title.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: C13500 / C-135 | Modification Number / Title: 8653 / BLOCK 45 |

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO[#] | FY 2015 Total |
|---|--------------------|----------------|----------------|---------------------|--------------------------------|----------------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 20.013 | 19.921 | 27.485 | 61.345 | - | 61.345 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - |
| Net Procurement (P1) (<i>\$ in Millions</i>) | 20.013 | 19.921 | 27.485 | 61.345 | - | 61.345 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 20.013 | 19.921 | 27.485 | 61.345 | - | 61.345 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | |
|---|---|---|---|---|---|---|
| Initial Spares (<i>\$ in Millions</i>) | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - |

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

Block 45 addresses reliability and maintainability issues currently experienced by the KC-135 Fleet. The modification includes a new Digital Flight Director (DFD), Digital Radar Altimeter (RA), Digital Autopilot (AP) and Electronic Engine Instrument Displays (EEID). Block 45 requirements are outlined in the Capability Development Document (CDD) for KC-135 Communications, Navigation, and Surveillance/Air Traffic Management (CNS/ATM), dated 21 Oct 08. The DFD replaces the existing obsolete analog flight director (high maintenance driver) and provides a fully integrated flight guidance system and at the same time provides improved capability. The RA replaces the existing obsolete AL-101 radio altimeter (high maintenance driver) with a new state of the art digital high mean time between failure (MTBF) RA. The digital AP replaces the current obsolete analog AP system. The EEID replaces the obsolete analog engine instruments. The Air Force expects to achieve MTBF figures as follows: Radar Altimeter - 8,462 (current 1,454) Digital Flight Director - 11,388 (current 899) Autopilot - 2,335 (current 339) Engine Instruments - 4,726 (current 2,336) In addition, by replacing these components, the Air Force expects to realize approximately \$8.50M annually (or \$440M total) in cost avoidance relative to system repair costs. Aircraft Breakdown: USAF plans to modify 399 C-135 aircraft (395 KC-135 R/T, 4 special purpose) with Block 45 (DFD, AP, RA and EEID). Two of the 395 aircraft modifications are prototypes funded with RDT&E. The rest will be funded with APAF.

The Milestone Decision Authority (MDA) & Program Executive Officer(PEO) approved procurement of 34 LRIP kits prior to test completion and MS C approval in Jul 13. Through preliminary developmental test and evaluation, the KC-135 Block 45 modification program material solution demonstrated mature performance supporting LRIP kit procurement prior to the MS C decision. This approach is in accordance with the approved Block 45 acquisition strategy as discussed in the MS B decision briefing and as documented in the MS B Acquisition Decision Memorandum (ADM).

This program has associated Research Development Test and Evaluation funding in PE 0401218F. This program has associated initial spares funding in BA 06.

FY13 Rescission of \$17M reflected in Other Government Costs (OGC). **Note: OGC also includes funding for Test, Milstrip, Fuel & Over & Above; therefore, entire FY13 amounts are not solely indicative of rescission.**

Milestone/Development Status

Developmental Test & Evaluation completed March 2013. Milestone C approval recieved July 25 2013.

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: C13500 / C-135 | Modification Number / Title: 8653 / BLOCK 45 |

| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
|-------------------------------|-----------------------------------|---------------|---------------|---------------|-------------|---------------|
| AF | Quantity | - | - | - | - | - |
| | Total Obligation Authority | 12.065 | 27.485 | 32.173 | - | 32.173 |
| AFNG | Quantity | - | - | - | - | - |
| | Total Obligation Authority | 5.713 | - | 20.663 | - | 20.663 |
| AFR | Quantity | - | - | - | - | - |
| | Total Obligation Authority | 2.143 | - | 8.509 | - | 8.509 |
| Total: | Quantity | - | - | - | - | - |
| Secondary Distribution | Total Obligation Authority | 19.921 | 27.485 | 61.345 | - | 61.345 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | Date: March 2014 | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | P-1 Line Item Number / Title: C13500 / C-135 | | | Modification Number / Title: 8653 / BLOCK 45 | |
| Models of Systems Affected: KC-135 | | Modification Type: Capability Improvement | | | Related RDT&E PEs: 0401218F | | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | |
| RDT&E PE # | | | | | | | |
| 0401218F | 2 / 50.033 | - / - | - / - | - / - | - / - | - / - | |
| Procurement | | | | | | | |
| Modification Item 1 of 1: Block 45 | | | | | | | |
| A Kits | | | | | | | |
| Recurring | | | | | | | |
| Block 45:INSTALL KITS Group A (Active) | 15 / 1.474 | 8 / 1.064 | - / - | 18 / 2.838 | - / - | 18 / 2.838 | |
| Block 45:INSTALL KITS Group A (Guard) | 0 / 0.000 | 8 / 1.064 | - / - | 19 / 2.997 | - / - | 19 / 2.997 | |
| Block 45:INSTALL KITS Group A (Reserve) | 0 / 0.000 | 3 / 0.399 | - / - | 8 / 1.262 | - / - | 8 / 1.262 | |
| Subtotal: Recurring | - / 1.474 | - / 2.527 | - / - | - / 7.097 | - / - | - / 7.097 | |
| B Kits | | | | | | | |
| Recurring | | | | | | | |
| Block 45:EQUIPMENT Group B (Active) | 15 / 8.495 | 8 / 4.649 | - / - | 18 / 12.778 | - / - | 18 / 12.778 | |
| Block 45:EQUIPMENT Group B (Guard) | 0 / 0.000 | 8 / 4.649 | - / - | 19 / 13.487 | - / - | 19 / 13.487 | |
| Block 45:EQUIPMENT Group B (Reserve) | 0 / 0.000 | 3 / 1.744 | - / - | 8 / 5.679 | - / - | 8 / 5.679 | |
| Subtotal: Recurring | - / 8.495 | - / 11.042 | - / - | - / 31.944 | - / - | - / 31.944 | |
| Subtotal: Block 45 | - / 9.969 | - / 13.569 | - / - | - / 39.041 | - / - | - / 39.041 | |
| Subtotal: Procurement, All Modification Items | - / 9.969 | - / 13.569 | - / - | - / 39.041 | - / - | - / 39.041 | |
| Support (All Modification Items) | | | | | | | |
| GROUP B: TOTAL NONRECURRING | - / 0.000 | - / - | - / - | - / - | - / - | - / - | |
| Change Orders | - / - | - / - | - / 19.000 | - / - | - / - | - / - | |
| Data | - / - | - / - | - / 1.950 | - / - | - / - | - / - | |
| SIM/TRAINER | 2 / 7.887 | - / 0.550 | 2 / 3.550 | 2 / 3.090 | - / - | 2 / 3.090 | |
| SUPPORT-EQUIP | - / 0.030 | - / - | - / - | - / 0.083 | - / - | - / 0.083 | |
| OTHER GOVT | - / 1.542 | - / 15.218 | - / 15.193 | - / 8.630 | - / - | - / 18.630 | |
| PMA - Contractor Services | - / 0.582 | - / 0.484 | - / 0.492 | - / 0.500 | - / - | - / 0.500 | |
| PMA - Other Gov't Costs | - / 0.003 | - / 0.100 | - / 0.050 | - / 0.075 | - / - | - / 0.075 | |
| Subtotal: Support | 2 / 10.044 | - / 6.352 | 2 / 20.235 | 2 / 12.378 | - / - | 2 / 12.378 | |
| Installation | | | | | | | |
| Modification Item 1 of 1: Block 45 | - / - | - / - | 15 / 7.250 | 19 / 9.926 | - / - | 19 / 9.926 | |
| Subtotal: Installation | - / - | - / - | 15 / 7.250 | 19 / 9.926 | - / - | 19 / 9.926 | |
| Total | | | | | | | |
| Total Cost (Procurement + Support + Installation) | 20.013 | 19.921 | 27.485 | 61.345 | - | 61.345 | |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | Date: March 2014 | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | P-1 Line Item Number / Title: C13500 / C-135 | | | Modification Number / Title: 8653 / BLOCK 45 | | | | |
| Models of Systems Affected: | | Modification Type: Capability Improvement | | Related RDT&E PEs: 0401218F | | | | | | |
| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
| | | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Procurement | | | | | | | | | | |
| <i>Modification Item 1 of 1: Block 45</i> | | | | | | | | | | |
| AF | | - / 5.713 | - / - | - / 15.616 | - / - | - / 15.616 | - / - | - / - | - / - | - / - |
| AFNG | | - / 5.713 | - / - | - / 16.484 | - / - | - / 16.484 | - / - | - / - | - / - | - / - |
| AFR | | - / 2.143 | - / - | - / 16.941 | - / - | - / 16.941 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Block 45 Secondary Distribution</i> | | - / 13.569 | - / - | - / 39.041 | - / - | - / 39.041 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Procurement, All Modification Items</i> | | - / 13.569 | - / - | - / 39.041 | - / - | - / 39.041 | - / - | - / - | - / - | - / - |
| Support | | | | | | | | | | |
| AF | | - / 6.352 | 2 / 20.235 | 2 / 12.378 | - / - | 2 / 12.378 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Support</i> | | - / 6.352 | 2 / 20.235 | 2 / 12.378 | - / - | 2 / 12.378 | - / - | - / - | - / - | - / - |
| Installation | | | | | | | | | | |
| <i>Modification Item 1 of 1: Block 45</i> | | | | | | | | | | |
| <i>Contractor Facility</i> | | | | | | | | | | |
| AF | | - / - | 15 / 7.250 | 8 / 4.179 | - / - | 8 / 4.179 | - / - | - / - | - / - | - / - |
| AFNG | | - / - | - / - | 8 / 4.179 | - / - | 8 / 4.179 | - / - | - / - | - / - | - / - |
| AFR | | - / - | - / - | 3 / 1.568 | - / - | 3 / 1.568 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Contractor Facility</i> | | - / - | 15 / 7.250 | 19 / 9.926 | - / - | 19 / 9.926 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Block 45</i> | | - / - | 15 / 7.250 | 19 / 9.926 | - / - | 19 / 9.926 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Installation</i> | | - / - | 15 / 7.250 | 19 / 9.926 | - / - | 19 / 9.926 | - / - | - / - | - / - | - / - |
| Total | | | | | | | | | | |
| Total: Secondary Distribution, All Modification Items | | - / 19.921 | - / 27.485 | - / 61.345 | - / - | - / 61.345 | - / - | - / - | - / - | - / - |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: C13500 / C-135 | Modification Number / Title: 8653 / BLOCK 45 |

Modification Item 1 of 1: Block 45

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Rockwell Collins Manufacturer Location: Cedar Rapids, IA

Administrative Leadtime (in Months): 1 Production Leadtime (in Months): 8

| Dates | FY 2013 | FY 2014 | FY 2015 |
|----------------|----------|---------|----------|
| Contract Dates | Jul 2013 | | Jan 2015 |
| Delivery Dates | Mar 2014 | | Sep 2015 |

Installation Information

Method of Implementation: Contractor Facility

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
|-------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | - / - | - / - | 15 / 7.250 | - / - | - / - | - / - |
| Secondary Distribution - AF | - / - | - / - | 15 / 7.250 | - / - | - / - | - / - |
| FY 2013 | - / - | - / - | - / - | 19 / 9.926 | - / - | 19 / 9.926 |
| Secondary Distribution - AF | - / - | - / - | - / - | 8 / 4.179 | - / - | 8 / 4.179 |
| Secondary Distribution - AFNG | - / - | - / - | - / - | 8 / 4.179 | - / - | 8 / 4.179 |
| Secondary Distribution - AFR | - / - | - / - | - / - | 3 / 1.568 | - / - | 3 / 1.568 |
| FY 2014 | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | - / - | - / - | 15 / 7.250 | 19 / 9.926 | - / - | 19 / 9.926 |
| Secondary Distribution - AF | - / - | - / - | 15 / 7.250 | 8 / 4.179 | - / - | 8 / 4.179 |
| Secondary Distribution - AFNG | - / - | - / - | - / - | 8 / 4.179 | - / - | 8 / 4.179 |
| Secondary Distribution - AFR | - / - | - / - | - / - | 3 / 1.568 | - / - | 3 / 1.568 |

Installation Schedule

| | PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 |
| In | 0 | - | - | - | - | - | - | 8 | 7 | - | 3 | 8 | 8 |
| Out | 0 | - | - | - | - | - | - | - | 8 | 7 | - | 3 | 8 |

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
CALL00 / COMPASS CALL Mods

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** **Other Related Program Elements:** 0207253F

| Resource Summary | Prior Years | Program Elements for Code B Items: | | | | | Other Related Program Elements: 0207253F | | | | | | |
|--|-------------|------------------------------------|---------------|---------------|--------------|---------------|--|---------------|---------------|---------------|-------------|----------------|---|
| | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total | |
| Procurement Quantity (Units in Each) | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (\$ in Millions) | - | 63.958 | 29.494 | 57.828 | - | 57.828 | 41.779 | 35.690 | 36.616 | 37.298 | - | 302.663 | |
| Less PY Advance Procurement (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - | |
| Net Procurement (P1) (\$ in Millions) | - | 63.958 | 29.494 | 57.828 | - | 57.828 | 41.779 | 35.690 | 36.616 | 37.298 | - | 302.663 | |
| Plus CY Advance Procurement (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - | |
| Total Obligation Authority (\$ in Millions) | - | 63.958 | 29.494 | 57.828 | - | 57.828 | 41.779 | 35.690 | 36.616 | 37.298 | - | 302.663 | |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial Spares (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Flyaway Unit Cost (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

The EC-130H COMPASS CALL aircraft is the USAF's wide-area coverage Airborne Electronic Attack (AEA) and Offensive Counter Information (OCI) weapon system. The mission equipment must continue to evolve to keep pace with the emerging adversary developments in new communications and sensor technology as well as the use of rapidly advancing commercial technology. Production funds are required for modification kit production (both hardware and software) and installation on each aircraft.

The current EC-130H COMPASS CALL inventory includes 14 operational/mission capable aircraft (Primary Mission Aircraft Inventory or PMAI) fielded, a 15th EC-130H under conversion for delivery in April 2015, and one TC-130H flight deck trainer aircraft (Basic Aircraft Inventory or BAI). Obsolescence and diminishing manufacturing sources (DMS) are addressed with each baseline upgrade as well as annually as part of the sustainment responsibilities.

The Air Force Corporate Structure is exploring options to restructure the size of the EC-130H fleet in light of higher Air Force priorities. ACC currently plans to sustain the full EC-130H fleet and COMPASS CALL program through FY 2015 at a minimum. No inventory reduction activities or schedules have been approved or published to date.

Funding for this exhibit contained in PE 0207253F.

| Exhibits Schedule | | Prior Years | | | FY 2013 | | | FY 2014 | | | FY 2015 Base | | | FY 2015 OCO | | | FY 2015 Total | | | |
|----------------------------|----------|-------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|
| Title* | Exhibits | ID CD | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| P-3a - 1001 / COMPASS CALL | P-3a | | - | - | - | - | - | 63.958 | - | - | 29.494 | - | - | 57.828 | - | - | - | - | - | 57.828 |

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

| | |
|--|--|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft | P-1 Line Item Number / Title: CALL00 / COMPASS CALL Mods |
|--|--|

| ID Code (A=Service Ready, B=Not Service Ready) : | | | Program Elements for Code B Items: | | | | | | | | | Other Related Program Elements: 0207253F | | | | | | | | |
|---|----------|----------|---|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|
| Exhibits Schedule | | ID CD | Prior Years | | | FY 2013 | | | FY 2014 | | | FY 2015 Base | | | FY 2015 OCO | | | FY 2015 Total | | |
| Title* | Exhibits | | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Total Gross/Weapon System Cost | | | - | - | - | - | - | 63.958 | - | - | 29.494 | - | - | 57.828 | - | - | - | - | - | 57.828 |

*For the P-3a, Title represents the Modification Number / Title.
 Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
 Where applicable, justification for individual modifications is provided in the P-3A exhibits.

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: CALL00 / COMPASS CALL Mods | Modification Number / Title: 1001 / COMPASS CALL |

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total |
|---|--------------------|----------------|----------------|---------------------|---------------------|----------------------|
| Procurement Quantity <i>(Units in Each)</i> | - | - | - | - | - | - |
| Gross/Weapon System Cost <i>(\$ in Millions)</i> | - | 63.958 | 29.494 | 57.828 | - | 57.828 |
| Less PY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - |
| Net Procurement (P1) <i>(\$ in Millions)</i> | - | 63.958 | 29.494 | 57.828 | - | 57.828 |
| Plus CY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - |
| Total Obligation Authority <i>(\$ in Millions)</i> | - | 63.958 | 29.494 | 57.828 | - | 57.828 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | |
|---|---|--------|--------|--------|---|--------|
| Initial Spares <i>(\$ in Millions)</i> | - | 26.663 | 10.222 | 12.458 | - | 12.458 |
| Gross/Weapon System Unit Cost <i>(\$ in Millions)</i> | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

The EC-130H COMPASS CALL aircraft is the USAF's wide-area, airborne Command and Control Warfare /Information Operations (C2W /IO) weapon system. The mission equipment must continue to evolve to keep pace with emerging adversary developments in new communications and sensor technology as well as use of rapidly advancing commercial technology. The EC-130H COMPASS CALL program employs an incremental baseline upgrade acquisition strategy that puts capability into the warfighter's hands as soon as practical and ensures each iteration of the weapon system is effective against the highest priority threats. A new baseline of capability is fielded approximately every three years. Capabilities inserted into each baseline are planned in advance, based on warfighter inputs. Executive Management Reviews are utilized to review and "lock" baseline content as production nears. Kits contracted for purchase and integration in a given baseline upgrade are bought in the first year of the procurement funding cycle and are installed in the next year. Production funds are required for modification kit production (both hardware and software) and installation on each aircraft based on a baseline upgrade cyclic schedule. Baseline 1 configured aircraft are fielded and operational. Baseline 0 configurations are returned for their programmed depot maintenance (PDM) and upgraded to Baseline 2 configuration. Baseline 2 configured aircraft efforts focus on reliability and sustainability improvements, significant obsolete parts replacement, weight reduction, operator /maintenance simplification of PME operations, and capability increases. Some examples are procurement of digital narrow band subsystem, counter radar subsystem, and 3rd Generation Special Purpose Emitter Array (SPEAR). Production funds are also used for avionics modifications to meet Communications, Navigation, Surveillance /Air Traffic Management (CNS /ATM) requirements and address avionics obsolescence issues. Initial delivery of Baseline 2 configured aircraft began in February 2014. Baseline 3 aircraft modifications will continue to address reliability and sustainability improvements, weight reduction, as well as capability increases. Baseline 3 will include, but is not limited to, new receiver suite, digital intercom and improved external communications. Modifications for Large Aircraft Infrared Counter Measures (LAIRCM) and Avionics are also included with the fielded aircraft. Similarly, new baselines will include necessary support equipment and simulator modifications. The simulators replicate the current aircraft configurations and address training obsolescence issues. Due to the rapidly changing threat environment encountered during our prolonged commitment to Overseas Contingency Operations (OCO), the acquisition program manager has the authority to redirect funding as necessary to meet current stated and emerging Combatant Commander requirements through Quick Reaction Capability (QRC) kits. Equipment includes aircraft and mission equipment retrofits based on the PDM and modification cyclic schedule. Program of record at the end of FY 2013 includes the following resources: 14 EC-130H operational /mission capable aircraft (primary mission aircraft inventory or PMAI), one (1) TC-130H flight deck trainer aircraft (basic aircraft inventory or BAI), and one (1) COMPASS CALL Mission Crew Simulator (CCMCS). FY 2015 funding will procure Group A and Group B kits as well as installation of such hardware during the aircraft PDM /modification cycle.

The initial spares procurement funding in FY15 will be used to support the EC-130H mission in its theater of operations. Funding for this exhibit is contained in PE 0207253F.

Milestone/Development Status

The EC-130H COMPASS CALL weapon system is continuously improved using a rapid development and acquisition process supporting a baseline upgrade strategy. User needs and technology opportunities are continuously reviewed and a new mission equipment baseline is defined approximately every 36 months. The COMPASS CALL Baseline 2 configuration began initial fielding in February 2014. Eight (8) EC-130H COMPASS CALL mission aircraft are projected to receive the Baseline 2 upgrade. The Air Force Corporate Structure is exploring options to restructure the size of the EC-130H fleet in light of higher Air Force priorities. ACC currently plans to sustain the full EC-130H fleet and COMPASS CALL program through FY 2015 at a minimum. No divestiture activities or inventory reduction schedules have been

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
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| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: CALL00 / COMPASS CALL Mods | Modification Number / Title: 1001 / COMPASS CALL |
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approved or published to date. The COMPASS CALL Baseline 3 configuration is projected to begin fielding in the fourth quarter of FY 2018. Eight EC-130H COMPASS CALL mission aircraft are projected to receive the Baseline 3 upgrade.

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | Date: March 2014 | |
|---|-----------------------------------|--|--|-----------------------------------|--|-----------------------------------|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | P-1 Line Item Number / Title: CALL00 / COMPASS CALL Mods | | Modification Number / Title: 1001 / COMPASS CALL | |
| Models of Systems Affected: EC-130H, TC-130H | | Modification Type: Capability Improvement | | | Related RDT&E PEs: 0207253F | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Procurement | | | | | | |
| Modification Item 1 of 1: Baseline 2 | | | | | | |
| A Kits | | | | | | |
| Recurring | | | | | | |
| Baseline 2:INSTALL KITS Group A (Active) | - / - | 2 / 8.885 | 1 / 4.697 | 2 / 19.000 | - / - | 2 / 19.000 |
| <i>Subtotal: Recurring</i> | - / - | - / 8.885 | - / 4.697 | - / 19.000 | - / - | - / 19.000 |
| B Kits | | | | | | |
| Recurring | | | | | | |
| Baseline 2:EQUIPMENT Group B (Active) | - / - | 2 / 10.205 | 1 / 8.713 | 2 / 17.992 | - / - | 2 / 17.992 |
| <i>Subtotal: Recurring</i> | - / - | - / 10.205 | - / 8.713 | - / 17.992 | - / - | - / 17.992 |
| <i>Subtotal: Baseline 2</i> | - / - | - / 19.090 | - / 13.410 | - / 36.992 | - / - | - / 36.992 |
| <i>Subtotal: Procurement, All Modification Items</i> | - / - | - / 19.090 | - / 13.410 | - / 36.992 | - / - | - / 36.992 |
| Support (All Modification Items) | | | | | | |
| GROUP A: TOTAL NONRECURRING | - / - | - / 4.414 | - / - | - / - | - / - | - / - |
| GROUP B: TOTAL NONRECURRING | - / - | - / 23.362 | - / 19.578 | - / 9.293 | - / - | - / 19.293 |
| SUPPORT-EQUIP | - / - | - / 15.000 | - / - | - / - | - / - | - / - |
| OTHER GOVT | - / - | - / 1.771 | - / 1.806 | - / 1.843 | - / - | - / 1.843 |
| <i>Subtotal: Support</i> | - / - | - / 34.547 | - / 11.384 | - / 11.136 | - / - | - / 11.136 |
| Installation | | | | | | |
| Modification Item 1 of 1: Baseline 2 | | | | | | |
| <i>Subtotal: Installation</i> | - / - | 2 / 10.321 | 1 / 4.700 | 2 / 9.700 | - / - | 2 / 9.700 |
| <i>Subtotal: Installation</i> | - / - | 2 / 10.321 | 1 / 4.700 | 2 / 9.700 | - / - | 2 / 9.700 |
| Total | | | | | | |
| Total Cost (Procurement + Support + Installation) | - | 63.958 | 29.494 | 57.828 | - | 57.828 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: CALL00 / COMPASS CALL Mods | Modification Number / Title: 1001 / COMPASS CALL |

Modification Item 1 of 1: Baseline 2

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: L-3 Communications Manufacturer Location: Waco, TX

Administrative Leadtime (in Months): 2 Production Leadtime (in Months): 18

| Dates | FY 2013 | FY 2014 | FY 2015 |
|----------------|----------|----------|----------|
| Contract Dates | Dec 2012 | Dec 2013 | Dec 2014 |
| Delivery Dates | Jun 2014 | Jun 2015 | Jun 2016 |

Installation Information

Method of Implementation: Depot

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2013 | - / - | 2 / 10.321 | - / - | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | 1 / 4.700 | - / - | - / - | - / - |
| FY 2015 | - / - | - / - | - / - | 2 / 9.700 | - / - | 2 / 9.700 |
| Total | - / - | 2 / 10.321 | 1 / 4.700 | 2 / 9.700 | - / - | 2 / 9.700 |

Installation Schedule

| | PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 |
| In | 0 | - | 1 | - | 1 | - | - | 1 | - | - | 1 | - | 1 |
| Out | 0 | - | - | 1 | - | - | - | 1 | - | 1 | - | - | 1 |

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
DARP01 / RC - 135

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** **Other Related Program Elements:** 0305207F

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|---|--------------------|----------------|----------------|---------------------|---------------------|----------------------|----------------|----------------|----------------|----------------|--------------------|------------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | - | 165.625 | 174.513 | 152.746 | - | 152.746 | 176.165 | 199.323 | 182.851 | 186.275 | - | 1,237.498 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (<i>\$ in Millions</i>) | - | 165.625 | 174.513 | 152.746 | - | 152.746 | 176.165 | 199.323 | 182.851 | 186.275 | - | 1,237.498 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | - | 165.625 | 174.513 | 152.746 | - | 152.746 | 176.165 | 199.323 | 182.851 | 186.275 | - | 1,237.498 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial Spares (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Flyaway Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

FY 2013 funding totals includes a Congressional Add for WGS Shortfall in the baseline budget for the RC-135 RIVET JOINT platform. FY 2013 funding totals does not include the \$8.0M appropriated via Below Threshold Reprogramming approved on 18 Nov 2013 and not reflected in ABIDES.

The USAF's Manned Reconnaissance Systems program includes seventeen RC-135 V/W RIVET JOINT, three RC-135S COBRA BALL, and two RC-135U COMBAT SENT mission aircraft. The RC-135V/W RIVET JOINT is the majority variant that drives the Baseline integration and modification upgrade strategy for the entire RC-135 fleet. Therefore, the majority of the modification budget is directly related to the RIVET JOINT weapon system baseline strategy which subsequently spills over into the follow-on baseline strategies for RC-135S COBRA BALL and RC-135U COMBAT SENT weapon systems.

A 2008 RC-135 Viability Assessment reported that despite the fleet average airframe age (44 years) and accumulated flight hours (38,000) as of the end of FY 2007, the RC-135 should be able to continue to meet the user's needs by performing intended operations through at least 2040. Viability was assessed based on underlying analyses of reliability, maintainability, performance, corrosion, fatigue, architectural stability, safety and availability. The Viability Assessment also summarized that the RC-135 fleet has experienced significant improvements in reliability, maintainability and availability since FY 2001. The Program Manager attributes these improvements directly to the BIG SAFARI Baseline integration and modification upgrade strategy and synergies gained with long standing relationships with the RC-135 industry partners.

FY 2015 procurement funding efforts will concentrate on completing the conversion of the RIVET JOINT from a Baseline 9 to a Baseline 11 integration effort and the COBRA BALL and COMBAT SENT from a Baseline 4 to a Baseline 5 integration effort as per the programmed depot maintenance schedule (COBRA BALL and COMBAT SENT Baseline 5 configuration closely aligns with the RIVET JOINT Baseline 11 configuration). The RIVET JOINT Baseline 11 integration effort and the Baseline 12 development efforts address the 2012 RC-135 Multi-Attribute Utility Assessment (MUA), that detailed operational effectiveness, cost and program analyses of the alternative weapon system configurations (e.g. C-37, KC-46, P-8, RQ-4). The MUA determined that retaining and sustaining the RC-135V/W airframe offers the highest assessed weapons system utility (measured as a benefit of cost-to-risk ratio) over the 25 year assessment period.

Funding for this exhibit is contained in PE 0305207F, Manned Reconnaissance Systems.

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|---|--|--|--|--|---|--|--|--|--|---|--|--|--|--|-------------------------|--|--|--|--|
| Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force | | | | | | | | | | | | | | | Date: March 2014 | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft | | | | | | | | | | P-1 Line Item Number / Title: DARP01 / RC - 135 | | | | | | | | | |
| ID Code (A=Service Ready, B=Not Service Ready) : | | | | | Program Elements for Code B Items: | | | | | Other Related Program Elements: 0305207F | | | | | | | | | |

| Exhibits Schedule | | ID CD | Prior Years | | | FY 2013 | | | FY 2014 | | | FY 2015 Base | | | FY 2015 OCO | | | FY 2015 Total | | |
|---------------------------------------|----------|----------|---------------------|---------------|----------------------|---------------------|----------------|----------------------|---------------------|----------------|----------------------|---------------------|----------------|----------------------|---------------------|---------------|----------------------|---------------------|----------------|----------------------|
| Title* | Exhibits | | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| P-3a - 2504 / COBRA BALL | P-3a | - | - | - | - | - | 9.186 | - | - | 9.129 | - | - | 6.062 | - | - | - | - | - | 6.062 | |
| P-3a - 4263 / RIVET JOINT | P-3a | - | - | - | - | - | 149.157 | - | - | 154.940 | - | - | 139.443 | - | - | - | - | - | 139.443 | |
| P-3a - 4265 / COMBAT SENT | P-3a | - | - | - | - | - | 7.282 | - | - | 10.444 | - | - | 7.241 | - | - | - | - | - | 7.241 | |
| Total Gross/Weapon System Cost | | - | - | - | - | - | 165.625 | - | - | 174.513 | - | - | 152.746 | - | - | - | - | - | 152.746 | |

*For the P-3a, Title represents the Modification Number / Title.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:

Where applicable, justification for individual modifications is provided in the P-3A exhibits.

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | Date: March 2014 | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | P-1 Line Item Number / Title: DARP01 / RC - 135 | | Modification Number / Title: 2504 / COBRA BALL | | |

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total |
|---|--------------------|----------------|----------------|---------------------|---------------------|----------------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | - | 9.186 | 9.129 | 6.062 | - | 6.062 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - |
| Net Procurement (P1) (<i>\$ in Millions</i>) | - | 9.186 | 9.129 | 6.062 | - | 6.062 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | - | 9.186 | 9.129 | 6.062 | - | 6.062 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | |
|---|---|---|---|---|---|---|
| Initial Spares (<i>\$ in Millions</i>) | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

FY 2015 procurement funding acquires and installs various upgrade and enhancement modifications for the three RC-135S COBRA BALL aircraft. Due to the rapidly changing global threat environment, the acquisition program manager has the authority to redirect funding as necessary to meet current stated and emerging Combatant Commander requirements.

The RC-135S COBRA BALL program (DARP/Manned Reconnaissance Systems) is managed as an incremental baseline upgrade acquisition strategy in order to maintain collection parity with evolving and emerging adversarial weapons systems utilized by state and non-state actors. The BIG SAFARI Baseline Upgrade Strategy requires purchase agreements for long lead items that take approximately 12 months from contract award to delivery. Items contracted for purchase and integration in a given Baseline upgrade are bought in the first year of the procurement funding cycle and are installed in the subsequent year. This acquisition strategy has been successful in maintaining critical combat capability in the ISR arena over the last 40 years.

FY 2015 procurement funding efforts will concentrate on initiatives pertaining to the COBRA BALL Baseline 5 enhancements. Baseline 5 subsystem upgrades consist of, but are not limited to, Wideband Global Satellite (WGS) reachback connectivity, COMINT Direction Finding (DF), intercom system replacement, improved operator interface and reporting tools, integration of the RIVET JOINT Baseline 11 COMINT suite, and enhancing capabilities in dense signal environments.

Funding for this exhibit contained in PE 0305207F.

Milestone/Development Status

FY 2015 procurement funding associated with the acquisition, integration, fielding and logistical support efforts for the Baseline 5 configuration upgrades/enhancements of the three RC-135S COBRA BALL aircraft, sensor systems, and associated ground support system are attributed to the development efforts initiated in FY 2013 and FY 2014 research & development funding initiatives. These initiatives formed the basis for the RC-135S COBRA BALL fleet modification strategy.

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|---|-----------------------------------|--|---|-----------------------------------|--|-----------------------------------|
| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | Date: March 2014 | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | P-1 Line Item Number / Title: DARP01 / RC - 135 | | Modification Number / Title: 2504 / COBRA BALL | |
| Models of Systems Affected: RC-135S, TC-135W | | Modification Type: Capability Improvement | | | Related RDT&E PEs: 0305207F | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Procurement | | | | | | |
| <i>Modification Item 1 of 1:</i> Baseline 5 | | | | | | |
| A Kits | | | | | | |
| Recurring | | | | | | |
| Baseline 5:INSTALL KITS Group A (Active) | | | | | | |
| | - | 1 / 3.009 | 1 / 2.025 | 1 / 1.049 | - | 1 / 1.049 |
| <i>Subtotal: Recurring</i> | | | | | | |
| | - | / 3.009 | - | / 2.025 | - | / 1.049 |
| B Kits | | | | | | |
| Recurring | | | | | | |
| Baseline 5:EQUIPMENT Group B (Active) | | | | | | |
| | - | 1 / 3.365 | 1 / 2.332 | 1 / 1.516 | - | 1 / 1.516 |
| <i>Subtotal: Recurring</i> | | | | | | |
| | - | / 3.365 | - | / 2.332 | - | / 1.516 |
| <i>Subtotal: Baseline 5</i> | | | | | | |
| | - | / 6.374 | - | / 4.357 | - | / 2.565 |
| <i>Subtotal: Procurement, All Modification Items</i> | | | | | | |
| | - | / 6.374 | - | / 4.357 | - | / 2.565 |
| Support (All Modification Items) | | | | | | |
| SUPPORT-EQUIP | | | | | | |
| | - | / 2.812 | - | / - | - | / - |
| <i>Subtotal: Support</i> | | | | | | |
| | - | / 2.812 | - | / - | - | / - |
| Installation | | | | | | |
| <i>Modification Item 1 of 1:</i> Baseline 5 | | | | | | |
| | - | / - | 1 / 4.772 | 1 / 3.497 | - | 1 / 3.497 |
| <i>Subtotal: Installation</i> | | | | | | |
| | - | / - | 1 / 4.772 | 1 / 3.497 | - | 1 / 3.497 |
| Total | | | | | | |
| Total Cost (Procurement + Support + Installation) | | | | | | |
| | - | 9.186 | 9.129 | 6.062 | - | 6.062 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: DARP01 / RC - 135 | Modification Number / Title: 2504 / COBRA BALL |

Modification Item 1 of 1: Baseline 5

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: L-3Communications Manufacturer Location: Greenville, TX

Administrative Leadtime (in Months): 2 Production Leadtime (in Months): 18

| Dates | FY 2013 | FY 2014 | FY 2015 |
|----------------|----------|----------|----------|
| Contract Dates | Dec 2012 | Dec 2013 | Dec 2014 |
| Delivery Dates | Jun 2014 | Jun 2015 | Jun 2016 |

Installation Information

Method of Implementation: Depot

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
|-------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2013 | - / - | - / - | 1 / 4.772 | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | - / - | 1 / 3.497 | - / - | 1 / 3.497 |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | - / - | - / - | 1 / 4.772 | 1 / 3.497 | - / - | 1 / 3.497 |

Installation Schedule

| | PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 |
| In | 0 | 1 | - | - | - | 1 | - | - | - | 1 | - | - | - |
| Out | 0 | - | - | - | - | - | - | 1 | - | - | - | 1 | - |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: DARP01 / RC - 135 | Modification Number / Title: 4263 / RIVET JOINT |

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO[#] | FY 2015 Total |
|---|--------------------|----------------|----------------|---------------------|--------------------------------|----------------------|
| Procurement Quantity <i>(Units in Each)</i> | - | - | - | - | - | - |
| Gross/Weapon System Cost <i>(\$ in Millions)</i> | - | 149.157 | 154.940 | 139.443 | - | 139.443 |
| Less PY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - |
| Net Procurement (P1) <i>(\$ in Millions)</i> | - | 149.157 | 154.940 | 139.443 | - | 139.443 |
| Plus CY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - |
| Total Obligation Authority <i>(\$ in Millions)</i> | - | 149.157 | 154.940 | 139.443 | - | 139.443 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | |
|---|---|--------|--------|--------|---|--------|
| Initial Spares <i>(\$ in Millions)</i> | - | 41.047 | 32.895 | 58.033 | - | 58.033 |
| Gross/Weapon System Unit Cost <i>(\$ in Millions)</i> | - | - | - | - | - | - |

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

FY 2015 procurement funding acquires and installs various upgrade and enhancement modifications for the seventeen RC-135V/W RIVET JOINT aircraft. Due to the rapidly changing global threat environment, the acquisition program manager has the authority to redirect funding as necessary to meet current stated and emerging Combatant Commander requirements.

The RC-135V/W RIVET JOINT program (DARP/Manned Reconnaissance Systems) is managed as an incremental baseline upgrade acquisition strategy in order to maintain collection parity with evolving and emerging adversarial threats such as the proliferation of advanced communication systems utilized by state and non-state actors. The BIG SAFARI Baseline Upgrade Strategy requires purchase agreements for long lead items that take approximately 12 months from contract award to delivery. Items contracted for purchase and integration in a given Baseline upgrade are bought in the first year of the procurement funding cycle and are installed in the next year. This acquisition strategy has been successful in maintaining critical combat capability in the ISR arena over the last 40 years.

FY 2013 funding totals includes a Congressional Add for WGS Shortfall in the baseline budget for the RC-135 RIVET JOINT platform. FY 2013 funding totals also include the \$8.0M appropriated via Below Threshold Reprogramming approved on 18 Nov 2013 to initiate the integration of an X-Net capability on RIVET JOINT aircraft. X-Net provides a Beyond Line-of-Sight (BLOS) communications capability supporting ground forces.

FY 2015 procurement funding will concentrate efforts on completing the integration effort of the RIVET JOINT's Baseline 11. Baseline 11 subsystem upgrades consist of, but are not limited to, precision multi-angle DF COMINT capability, ELINT recorder expansion, precision ELINT (DSS) integration, WGS enhanced integration, increased NRT national tactical integration, continued CNS/ATM and RNP compliant cockpit avionics enhancements to include addressing any obsolescence issues, new steerable beam antenna, weight reduction phase 3, improved operator interface and reporting tools, and enhancing capabilities in dense signal environments.

Funding for this exhibit contained in PE 0305207F.

Milestone/Development Status

FY 2015 procurement funding associated with acquisition, integration, fielding and logistical support efforts for the Baseline 11 configuration upgrades / enhancements of the RC-135V/W RIVET JOINT aircraft, sensor systems, and associated ground support system are attributed to the development efforts initiated in FY 2013 and FY 2014 research & development funding initiatives. These initiatives formed the basis for the RC-135V/W RIVET JOINT fleet modification strategy.

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|---|---|---|
| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: DARP01 / RC - 135 | Modification Number / Title: 4263 / RIVET JOINT |
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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | Date: March 2014 | |
|---|-----------------------------------|-----------------------------------|---|-----------------------------------|-----------------------------------|---|--|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | P-1 Line Item Number / Title: DARP01 / RC - 135 | | | Modification Number / Title: 4263 / RIVET JOINT | |
| Models of Systems Affected: RC-135V, RC-135W, TC-135W | | | Modification Type: Capability Improvement | | | Related RDT&E PEs: 0305207F | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | |
| Procurement | | | | | | | |
| <i>Modification Item 1 of 1: Baseline 11</i> | | | | | | | |
| A Kits | | | | | | | |
| Recurring | | | | | | | |
| Baseline 11:INSTALL KITS Group A (Active) | - / - | 4 / 12.289 | 4 / 15.485 | 4 / 11.781 | - / - | 4 / 11.781 | |
| <i>Subtotal: Recurring</i> | - / - | - / 12.289 | - / 15.485 | - / 11.781 | - / - | - / 11.781 | |
| B Kits | | | | | | | |
| Recurring | | | | | | | |
| Baseline 11:EQUIPMENT Group B (Active) | - / - | 4 / 80.590 | 4 / 93.590 | 4 / 81.319 | - / - | 4 / 81.319 | |
| <i>Subtotal: Recurring</i> | - / - | - / 80.590 | - / 93.590 | - / 81.319 | - / - | - / 81.319 | |
| <i>Subtotal: Baseline 11</i> | - / - | - / 92.879 | - / 109.075 | - / 93.100 | - / - | - / 93.100 | |
| <i>Subtotal: Procurement, All Modification Items</i> | - / - | - / 92.879 | - / 109.075 | - / 93.100 | - / - | - / 93.100 | |
| Support (All Modification Items) | | | | | | | |
| Make New Selection | - / - | - / 8.000 | - / - | - / - | - / - | - / - | |
| PMA - Other Gov't Costs | - / - | - / 1.311 | - / 1.312 | - / 1.313 | - / - | - / 1.313 | |
| ICS-Material | - / - | - / 46.967 | - / - | - / - | - / - | - / - | |
| <i>Subtotal: Support</i> | - / - | - / 56.278 | - / 1.312 | - / 1.313 | - / - | - / 1.313 | |
| Installation | | | | | | | |
| <i>Modification Item 1 of 1: Baseline 11</i> | | | | | | | |
| <i>Subtotal: Installation</i> | - / - | - / - | 4 / 44.553 | 4 / 45.030 | - / - | 4 / 45.030 | |
| <i>Subtotal: Installation</i> | - / - | - / - | 4 / 44.553 | 4 / 45.030 | - / - | 4 / 45.030 | |
| Total | | | | | | | |
| Total Cost (Procurement + Support + Installation) | - | 149.157 | 154.940 | 139.443 | - | 139.443 | |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: DARP01 / RC - 135 | Modification Number / Title: 4263 / RIVET JOINT |

Modification Item 1 of 1: Baseline 11

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: L-3Communications Manufacturer Location: Greenville, TX

Administrative Leadtime (in Months): 2 Production Leadtime (in Months): 18

| Dates | FY 2013 | FY 2014 | FY 2015 |
|----------------|----------|----------|----------|
| Contract Dates | Dec 2012 | Dec 2013 | Dec 2014 |
| Delivery Dates | Jun 2014 | Jun 2015 | Jun 2016 |

Installation Information

Method of Implementation: Depot

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
|-------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2013 | - / - | - / - | 4 / 44.553 | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | - / - | 4 / 45.030 | - / - | 4 / 45.030 |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | - / - | - / - | 4 / 44.553 | 4 / 45.030 | - / - | 4 / 45.030 |

Installation Schedule

| PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | |
|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|
| | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 |
| In | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Out | 0 | - | - | - | - | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: DARP01 / RC - 135 | Modification Number / Title: 4265 / COMBAT SENT |

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total |
|---|--------------------|----------------|----------------|---------------------|---------------------|----------------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | - | 7.282 | 10.444 | 7.241 | - | 7.241 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - |
| Net Procurement (P1) (<i>\$ in Millions</i>) | - | 7.282 | 10.444 | 7.241 | - | 7.241 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | - | 7.282 | 10.444 | 7.241 | - | 7.241 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | |
|---|---|---|---|---|---|---|
| Initial Spares (<i>\$ in Millions</i>) | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

FY 2015 procurement funding acquires and installs various upgrade and enhancement modifications for two RC-135U COMBAT SENT aircraft. Due to the rapidly changing global threat environment and technological advances of our adversaries, the acquisition program manager has the authority to redirect funding as necessary to meet current stated and emerging Combatant Commander requirements.

The RC-135U COMBAT SENT program (DARP/Manned Reconnaissance Systems) is managed as an incremental baseline upgrade acquisition strategy in order to maintain collection parity with evolving and emerging adversarial threats utilized by state and non-state actors. The BIG SAFARI Baseline Upgrade Strategy requires purchase agreements for long lead items that take approximately 12 months from contract award to delivery. Items contracted for purchase and integration in a given Baseline upgrade are bought in the first year of the procurement funding cycle and are installed in the next year. This acquisition strategy has been successful in maintaining critical combat capability in the ISR arena over the last 40 years.

FY 2015 procurement funding efforts will concentrate on efforts pertaining to the COMBAT SENT Baseline 5 enhancements. Baseline 5 subsystem upgrades consist of, but are not limited to, Wideband Global Satellite (WGS) reachback connectivity, precision ELINT systems (CORVUS & DSS) replacement, liquid cooling system, super wideband receiver, airborne tracking system, improved operator interface and reporting tools, integration of the RIVET JOINT Baseline 11 COMINT suite, and enhancing capabilities in dense signal environments.

Funding for this exhibit contained in PE 0305207F.

Milestone/Development Status

FY 2015 procurement funding associated with the acquisition, integration, fielding and logistical support efforts for the Baseline 5 configuration upgrades/enhancements of the two RC-135U COMBAT SENT aircraft, sensor systems, and associated ground support system are attributed to the development efforts initiated in FY 2013 and FY 2014 research & development funding initiatives. These initiatives formed the basis for the RC-135U COMBAT SENT fleet modification strategy.

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | Date: March 2014 | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | P-1 Line Item Number / Title: DARP01 / RC - 135 | | Modification Number / Title: 4265 / COMBAT SENT | |
| Models of Systems Affected: RC-135U | | Modification Type: Capability Improvement | | | Related RDT&E PEs: 0305207F | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Procurement | | | | | | |
| Modification Item 1 of 1: Baseline 5 (2) | | | | | | |
| A Kits | | | | | | |
| Recurring | | | | | | |
| Baseline 5:INSTALL KITS Group A (Active) | | | | | | |
| | - | 1 / 4.333 | 1 / 3.323 | 1 / 1.842 | - | 1 / 1.842 |
| Subtotal: Recurring | | | | | | |
| | - | / 4.333 | - / 3.323 | - / 1.842 | - | - / 1.842 |
| B Kits | | | | | | |
| Recurring | | | | | | |
| Baseline 5:EQUIPMENT Group B (Active) | | | | | | |
| | - | 1 / 2.949 | 1 / 2.045 | 1 / 1.196 | - | 1 / 1.196 |
| Subtotal: Recurring | | | | | | |
| | - | / 2.949 | - / 2.045 | - / 1.196 | - | - / 1.196 |
| Subtotal: Baseline 5 (2) | | | | | | |
| | - | / 7.282 | - / 5.368 | - / 3.038 | - | - / 3.038 |
| Subtotal: Procurement, All Modification Items | | | | | | |
| | - | / 7.282 | - / 5.368 | - / 3.038 | - | - / 3.038 |
| Installation | | | | | | |
| Modification Item 1 of 1: Baseline 5 (2) | | | | | | |
| | - | - | 1 / 5.076 | 1 / 4.203 | - | 1 / 4.203 |
| Subtotal: Installation | | | | | | |
| | - | - | 1 / 5.076 | 1 / 4.203 | - | 1 / 4.203 |
| Total | | | | | | |
| Total Cost (Procurement + Support + Installation) | | | | | | |
| | - | 7.282 | 10.444 | 7.241 | - | 7.241 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: DARP01 / RC - 135 | Modification Number / Title: 4265 / COMBAT SENT |

Modification Item 1 of 1: Baseline 5 (2)

Modification Item MDAP/MAIS Code:

Manufacturer Information

| | | | |
|--|----------------|---------------------------------------|----------------|
| Manufacturer Name: L-3Communications | | Manufacturer Location: Greenville, TX | |
| Administrative Leadtime (in Months): 2 | | Production Leadtime (in Months): 18 | |
| Dates | FY 2013 | FY 2014 | FY 2015 |
| Contract Dates | Dec 2012 | Dec 2013 | Dec 2014 |
| Delivery Dates | Jun 2014 | Jun 2015 | Jun 2016 |

Installation Information

Method of Implementation: Depot

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
|-------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2013 | - / - | - / - | 1 / 5.076 | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | - / - | 1 / 4.203 | - / - | 1 / 4.203 |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | - / - | - / - | 1 / 5.076 | 1 / 4.203 | - / - | 1 / 4.203 |

Installation Schedule

| PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | | |
|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---|
| | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | |
| In | 0 | 1 | - | - | - | 1 | - | - | - | 1 | - | - | - |
| Out | 0 | - | - | - | - | - | - | 1 | - | - | - | 1 | - |

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
E00300 / E-3

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0207417F **Other Related Program Elements:** 0207417F

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|---|--------------------|----------------|----------------|---------------------|---------------------|----------------------|----------------|----------------|----------------|----------------|--------------------|------------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 440.451 | 169.375 | 142.615 | 16.491 | - | 16.491 | 78.162 | 120.983 | 121.656 | 166.675 | - | 1,256.408 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (<i>\$ in Millions</i>) | 440.451 | 169.375 | 142.615 | 16.491 | - | 16.491 | 78.162 | 120.983 | 121.656 | 166.675 | - | 1,256.408 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 440.451 | 169.375 | 142.615 | 16.491 | - | 16.491 | 78.162 | 120.983 | 121.656 | 166.675 | - | 1,256.408 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial Spares (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Flyaway Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

Totals include funding for Airborne Warning and Control System (AWACS) Upgrades.

This line item funds modifications and resolves Diminishing Manufacturing Sources (DMS) issues for the overall E-3 weapon system to include aircraft, simulators, and training devices. The four-engine E-3 is a modified Boeing 707 airframe which carries airborne radar and provides all-altitude air surveillance, threat warning, and control of theater air forces. Historically, the primary modification budgeted in Weapon System Code (WSC) E00300 is the AWACS Block 40/45 Upgrade (MDAP), but as part of the Major Programs Transparency Act and starting in FY15, the Block 40/45 Upgrade was moved to WSC E34045, located at P-1 Line #58. Other modifications budgeted and programmed are listed below:

- Next Generation Identify Friend or Foe (NGIFF)
- Reliability, Maintainability, and Availability (RM&A) Mods
- Low Cost Mods
- Vertical Stabilizer and Rudder Mods
- Training, Support, and Infrastructure (TSI).

The AWACS Block 40/45 modification upgrades legacy E-3 mission systems computers, display processors, displays, and multiple training systems.

The Next Generation Identify Friend or Foe (NGIFF) upgrades AWACS with enhanced Identify Friend or Foe (IFF) interrogator operations to add a more secure Mode 5 capability. NGIFF will also integrate Mode S, a civilian air traffic control capability residing in the NGIFF hardware, as funding allows.

The FY15 budget divests seven (7) E-3 aircraft from the fleet, resulting in a fleet size of twenty four (24). This adjustment to the fleet size will be implemented starting in FY15. Block 40/45 has procured six (6) upgrades on the Low Rate Initial Production (LRIP) contract, and is in the process of procuring the balance of eighteen (18) upgrades in Full Rate Production (FRP).

Funding for this exhibit contained in PE 0207417F and PE 0809731F.

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|---|--|--|--|--|--|--|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|
| Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force | | | | | | | | | | | | | | Date: March 2014 | | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft | | | | | | | | | | P-1 Line Item Number / Title: E00300 / E-3 | | | | | | | | | |
| ID Code (A=Service Ready, B=Not Service Ready) : | | | | | Program Elements for Code B Items: 0207417F | | | | | Other Related Program Elements: 0207417F | | | | | | | | | |

| Exhibits Schedule | | ID CD | Prior Years | | | FY 2013 | | | FY 2014 | | | FY 2015 Base | | | FY 2015 OCO | | | FY 2015 Total | | |
|---|----------|----------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|
| Title* | Exhibits | | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 1 / TSI | P-40a*** | | - | - | 7.287 | - | - | 9.920 | - | - | 3.345 | - | - | 3.335 | - | - | - | - | - | 3.335 |
| Item - 2 / BLOCK 40/45 UPGRADE | P-40a*** | | - | - | 406.363 | - | - | 137.444 | - | - | 114.439 | - | - | 3.045 | - | - | - | - | - | 3.045 |
| Item - 3 / AETC MTD UPGRADES-FIELD TRAINING DETACHMENTS | P-40a*** | | - | - | 4.916 | - | - | - | - | - | 0.100 | - | - | 0.608 | - | - | - | - | - | 0.608 |
| Item - 4 / RM&A Mod | P-40a*** | | - | - | 10.523 | - | - | 4.693 | - | - | 2.297 | - | - | 2.000 | - | - | - | - | - | 2.000 |
| Item - 5 / VERTICAL STABILIZER AND RUDDER | P-40a*** | | - | - | - | - | - | 0.077 | - | - | 0.389 | - | - | 0.374 | - | - | - | - | - | 0.374 |
| Item - 6 / LOW COST MOD - AIRFRAME | P-40a*** | | - | - | - | - | - | 0.100 | - | - | 0.164 | - | - | 0.138 | - | - | - | - | - | 0.138 |
| Item - 7 / LOW COST MOD - AVIONICS & MISSION SYSTEMS | P-40a*** | | - | - | - | - | - | 0.100 | - | - | 0.164 | - | - | 0.138 | - | - | - | - | - | 0.138 |
| P-3a - 7225 / NEXT GENERATION IDENTIFICATION FRIEND OR FOE (IFF) | P-3a | | - | - | 11.362 | - | - | 17.041 | - | - | 21.717 | - | - | 6.853 | - | - | - | - | - | 6.853 |
| Total Gross/Weapon System Cost | | | - | - | 440.451 | - | - | 169.375 | - | - | 142.615 | - | - | 16.491 | - | - | - | - | - | 16.491 |

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

*For Items, Title represents the Item Number / Title [DODIC]. For the P-3a, Title represents the Modification Number / Title.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:

Where applicable, justification for individual modifications is provided in the P-3A exhibits.

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: E00300 / E-3 | Modification Number / Title: 7225 / NEXT GENERATION IDENTIFICATION FRIEND OR FOE (IFF) |

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO[#] | FY 2015 Total |
|---|--------------------|----------------|----------------|---------------------|--------------------------------|----------------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 11.362 | 17.041 | 21.717 | 6.853 | - | 6.853 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - |
| Net Procurement (P1) (<i>\$ in Millions</i>) | 11.362 | 17.041 | 21.717 | 6.853 | - | 6.853 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 11.362 | 17.041 | 21.717 | 6.853 | - | 6.853 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | |
|---|---|--------|--------|---|---|---|
| Initial Spares (<i>\$ in Millions</i>) | - | 10.823 | 11.262 | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - |

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

The Next Generation Identification Friend or Foe (NGIFF) program funds acquisition and retrofit of the E-3 Airborne Warning and Control System (AWACS) IFF capability. The National Security Agency (NSA) declared IFF Mode 4 unsecure and obsolete on 5 Nov 2003. Joint Requirements Oversight Council Memo 047-07 requires IFF Mode 5 interrogation capability by FY14. While NGIFF will not meet IOC by the original FY14 target, current IOC projection (2016) will meet current user expectations. Next Generation Identification Friend or Foe (NGIFF) Program provides AWACS with enhanced IFF interrogator operation to add a more secure Mode 5 capability. NGIFF will also integrate Mode S, a civilian air traffic control capability residing in the NGIFF hardware, as funding allows. The NGIFF program provides AWACS with enhanced IFF interrogator operation to add a more secure Mode 5 capability. This program develops and integrates a basic Mode 5 capability on Block 30/35 which started in FY08 and full Mode 5 on Block 40/45 which started in FY11. Hardware will be common between the two platforms, allowing production contract to begin in FY12 after development of the 30/35 capability. Block 30/35 installation is planned to start in FY14. Upon completion of 40/45 development, an ECP will modify production to deliver 40/45 units. Funding through FY15 covers 24 Operational aircraft kit buys, based on the FY15 POM, which divests seven (7) E-3 aircraft from the fleet, resulting in a fleet size of twenty four (24). This funding includes retrofits in FY15 of 3 units purchased for EMD. Due to the fleet reduction, less money was required in FY15 to finish procurement. FY16 costs cover contract closeout, support, and transition to sustainment. Installs are done at the Organizational/Intermediate level. This modification has related RDT&E funding in PE 0207417F.

Milestone/Development Status

EMD started in FY09.
 02/09 - Block 30/35 EMD Contract Awarded
 10/10 - Block 30/35 Development/Operational Test and Evaluation
 10/10 - Block 40/45 EMD Contract Awarded
 12/14 - Projected EMD Completion
 12/15 - Projected IOC

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | Date: March 2014 | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | P-1 Line Item Number / Title: E00300 / E-3 | | | Modification Number / Title: 7225 / NEXT GENERATION IDENTIFICATION FRIEND OR FOE (IFF) | |
| Models of Systems Affected: E-3 | | Modification Type: Capability Improvement | | | Related RDT&E PEs: 0207417F | | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | |
| RDT&E PE # | | | | | | | |
| 0207417F | - / 90.070 | - / 6.130 | - / 21.572 | - / 1.500 | - / - | - / 1.500 | |
| Procurement | | | | | | | |
| Modification Item 1 of 1: NGIFF | | | | | | | |
| A Kits | | | | | | | |
| Recurring | | | | | | | |
| NGIFF:INSTALL KITS Group A (Active) | 1 / 0.067 | 11 / 0.427 | 10 / 0.380 | 2 / 0.191 | - / - | 2 / 0.191 | |
| <i>Subtotal: Recurring</i> | - / 0.067 | - / 0.427 | - / 0.380 | - / 0.191 | - / - | - / 0.191 | |
| B Kits | | | | | | | |
| Recurring | | | | | | | |
| NGIFF:EQUIPMENT Group B (Active) | 1 / 1.936 | 11 / 16.029 | 10 / 16.763 | 2 / 2.724 | - / - | 2 / 2.724 | |
| <i>Subtotal: Recurring</i> | - / 1.936 | - / 16.029 | - / 16.763 | - / 2.724 | - / - | - / 2.724 | |
| <i>Subtotal: NGIFF</i> | - / 2.003 | - / 16.456 | - / 17.143 | - / 2.915 | - / - | - / 2.915 | |
| <i>Subtotal: Procurement, All Modification Items</i> | - / 2.003 | - / 16.456 | - / 17.143 | - / 2.915 | - / - | - / 2.915 | |
| Support (All Modification Items) | | | | | | | |
| Change Orders | - / - | - / - | - / 1.008 | - / 0.861 | - / - | - / 0.861 | |
| Data | - / - | - / - | - / 0.712 | - / 0.140 | - / - | - / 0.140 | |
| SUPPORT-EQUIP | - / 8.535 | - / - | - / - | - / - | - / - | - / - | |
| ICS-Labor | - / - | - / - | - / 1.066 | - / 0.542 | - / - | - / 0.542 | |
| GFP | - / 0.012 | - / 0.131 | - / 0.097 | - / 0.033 | - / - | - / 0.033 | |
| PMA - Other Gov't Costs | - / 0.435 | - / 0.120 | - / 0.251 | - / 0.369 | - / - | - / 0.369 | |
| PMA - Contractor Services | - / 0.377 | - / 0.334 | - / 1.440 | - / 1.993 | - / - | - / 1.993 | |
| <i>Subtotal: Support</i> | - / 9.359 | - / 0.585 | - / 4.574 | - / 3.938 | - / - | - / 3.938 | |
| Installation | | | | | | | |
| <i>Subtotal: Installation</i> | - / - | - / - | - / - | - / - | - / - | - / - | |
| Total | | | | | | | |
| Total Cost (Procurement + Support + Installation) | 11.362 | 17.041 | 21.717 | 6.853 | - | 6.853 | |

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|---|----------------|--|----------------|
| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | P-1 Line Item Number / Title: E00300 / E-3 | |
| | | Modification Number / Title: 7225 / NEXT GENERATION IDENTIFICATION FRIEND OR FOE (IFF) | |
| Modification Item 1 of 1: NGIFF | | | |
| Modification Item MDAP/MAIS Code: | | | |
| Manufacturer Information | | | |
| Manufacturer Name: Telephonics | | Manufacturer Location: Huntington, NY | |
| Administrative Leadtime (<i>in Months</i>): 2 | | Production Leadtime (<i>in Months</i>): 22 | |
| Dates | FY 2013 | FY 2014 | FY 2015 |
| Contract Dates | Jun 2013 | Dec 2013 | Dec 2014 |
| Delivery Dates | Mar 2015 | Oct 2015 | Oct 2016 |
| Installation Information | | | |
| Method of Implementation (Organic): Org/Intermediate | | Installation Quantity: 24 | |
| | | | |

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
E00400 / E-4

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0302015F **Other Related Program Elements:** 0101316F, 0302015F

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|--|---------------|---------------|---------------|---------------|--------------|---------------|---------------|---------------|---------------|---------------|-------------|----------------|
| Procurement Quantity (Units in Each) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (\$ in Millions) | 86.999 | 43.128 | 14.304 | 22.341 | - | 22.341 | 20.242 | 38.692 | 37.759 | 37.634 | - | 301.099 |
| Less PY Advance Procurement (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (\$ in Millions) | 86.999 | 43.128 | 14.304 | 22.341 | - | 22.341 | 20.242 | 38.692 | 37.759 | 37.634 | - | 301.099 |
| Plus CY Advance Procurement (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (\$ in Millions) | 86.999 | 43.128 | 14.304 | 22.341 | - | 22.341 | 20.242 | 38.692 | 37.759 | 37.634 | - | 301.099 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial Spares (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Flyaway Unit Cost (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

This line item funds modifications to the E-4B aircraft. The four engine E-4B is a highly modified Boeing 747 Model 200 (747-200) airframe used in support of the mission of National Airborne Operations Center (NAOC). NAOC supports the national decision makers and the Joint Chiefs of Staff as a worldwide, survivable, and enduring node of the National Military Command System. There are four E-4B aircraft. The modifications listed herein serve to provide both updates to maintain Federal Aviation Agency (FAA) airframe flight worthiness certification, provide additional capabilities to the aircraft flight control, navigation and communication systems, as well as the primary mission equipment to ensure the E-4B is able to execute its various missions. These modifications are also budgeted to enhance operational capability while improving flight safety, reliability, and maintainability. The current Boeing estimated design service life of the Boeing 747-200 E-4B airframe is 115K hours and 30K cycles. This limit is estimated to be reached during 2039. However, maintenance issues leading to extended depot periods is expected to limit the ability of E-4B fleet to support the NAOC mission due to aircraft non-availability as depot period are extended to accommodate aircraft age related work. The maintenance limiting point is expected to occur during the decade beginning 2020. The age of the four E-4B aircraft fleet presents Diminishing Manufacturing Sources (DMS) issues involving primary mission equipment and to a lesser extent the airframe. Airframe DMS and availability of FAA certified parts issues are expected to grow as the world-wide population of Boeing 747-200 aircraft dwindles.

The Nuclear Planning and Execution System (NPES) is an active Nuclear Command, Control, and Communications (NC3) asset required to perform the NAOC's mission. Funding for this exhibit contained in PE 0101316F.

| Exhibits Schedule | | Prior Years | | | FY 2013 | | | FY 2014 | | | FY 2015 Base | | | FY 2015 OCO | | | FY 2015 Total | | | |
|---------------------------------|----------|-------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|
| Title* | Exhibits | ID CD | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 1 / Crypto Modernization | P-40a*** | | - | - | 0.000 | - | - | 4.166 | - | - | 3.671 | - | - | - | - | - | - | - | - | - |

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
E00400 / E-4

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0302015F **Other Related Program Elements:** 0101316F, 0302015F

| Exhibits Schedule | | ID CD | Prior Years | | | FY 2013 | | | FY 2014 | | | FY 2015 Base | | | FY 2015 OCO | | | FY 2015 Total | | |
|--|----------|----------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|
| Title* | Exhibits | | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 2 / NPES (NC2AIS) E-4B | P-40a*** | | - | - | 1.980 | - | - | 0.675 | - | - | 0.686 | - | - | 0.692 | - | - | - | - | - | 0.692 |
| Item - 3 / Message Processing System (MPS) | P-40a*** | | - | - | 17.936 | - | - | 2.600 | - | - | - | - | - | - | - | - | - | - | - | - |
| Item - 4 / SHF MUX UPGRADE | P-40a*** | | - | - | 0.500 | - | - | 1.854 | - | - | - | - | - | - | - | - | - | - | - | - |
| Item - 5 / Global Summary Message | P-40a*** | | - | - | 7.975 | - | - | 4.806 | - | - | - | - | - | - | - | - | - | - | - | - |
| Item - 6 / Secure Voice Crypto | P-40a*** | | - | - | 6.711 | - | - | 2.000 | - | - | - | - | - | - | - | - | - | - | - | - |
| Item - 7 / SHF Modernization | P-40a*** | | - | - | 5.934 | - | - | 6.058 | - | - | 2.000 | - | - | - | - | - | - | - | - | - |
| Item - 8 / AIU Modernization | P-40a*** | | - | - | 31.991 | - | - | 13.500 | - | - | - | - | - | - | - | - | - | - | - | - |
| Item - 9 / CNS/ATM(ADS-B OUT) | P-40a*** | | - | - | - | - | - | - | - | - | - | - | - | 1.200 | - | - | - | - | - | 1.200 |
| Item - 10 / LOW COST MODIFICATIONS | P-40a*** | | - | - | 5.856 | - | - | 1.990 | - | - | 1.990 | - | - | 1.990 | - | - | - | - | - | 1.990 |
| P-3a - 1 / AEHF Compatible Terminal/PNVC | P-3a | | - | - | - | - | - | - | - | - | - | - | - | 2.400 | - | - | - | - | - | 2.400 |
| P-3a - 4409 / Low Frequency Transmit System (LFTS) | P-3a | | - | - | - | - | - | - | - | - | - | - | - | 5.250 | - | - | - | - | - | 5.250 |
| P-3a - 2 / E-4B COMMUNICATION NAVIGATION SURVEILLANCE/AIR TRAFFIC MANAGEMENT I | P-3a | | - | - | - | - | - | - | - | - | 5.300 | - | - | 5.220 | - | - | - | - | - | 5.220 |
| P-3a - 3 / SERVICE BULLETINS | P-3a | | - | - | 8.116 | - | - | 5.479 | - | - | 0.657 | - | - | 5.589 | - | - | - | - | - | 5.589 |
| Total Gross/Weapon System Cost | | | - | - | 86.999 | - | - | 43.128 | - | - | 14.304 | - | - | 22.341 | - | - | - | - | - | 22.341 |

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

*For Items, Title represents the Item Number / Title [DODIC]. For the P-3a, Title represents the Modification Number / Title.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | Date: March 2014 | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | P-1 Line Item Number / Title: E00400 / E-4 | | Modification Number / Title: 1 / AEHF Compatible Terminal/PNVC | | |

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO[#] | FY 2015 Total |
|---|--------------------|----------------|----------------|---------------------|--------------------------------|----------------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | - | - | - | 2.400 | - | 2.400 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - |
| Net Procurement (P1) (<i>\$ in Millions</i>) | - | - | - | 2.400 | - | 2.400 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | - | - | - | 2.400 | - | 2.400 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | |
|---|---|---|---|-------|---|-------|
| Initial Spares (<i>\$ in Millions</i>) | - | - | - | 3.361 | - | 3.361 |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - |

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

This modification will install a Family of Beyond-Line-Of-Sight Terminals (FAB-T) / Presidential National Voice Conferencing (PNVC) system and will remove the currently installed Military Strategic Tactical Relay (MILSTAR) / Survivable Emergency Conferencing Network (SECN) systems. This modification is required to meet existing National Security Presidential Directive (NSPD)-28 and NSPD-51/Homeland Security Presidential Directive (HSPD)-20 requirements and to ensure continued connectivity and interoperability as satellite and communications infrastructure evolves. FAB-T Command Post Terminals will replace the MILSTAR Terminal and will provide access to protected wideband Advanced Extremely High Frequency (AEHF) satellite networks. PNVC replaces SECN, which will not be supported once the AEHF satellite network is in place.

This modification is a continuation of a portion of the previously funded Secure, Survivable Voice Communications modification (SSVC) (Mod Number MN-4406). SSVC has been split into two modifications in order to provide schedule clarity. These modifications are the SHF Modernization (Mod Number MN-4406A) and the FAB-T/PNVC (Mod Number MN-4406B) modifications.

Milestone/Development Status

The AEHF/PNVC Terminal enterprise capability is in the final phases of development, and anticipates completing a fully developed solution during FY15. E-4B will ramp up integration activities immediately upon terminal receipt.

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | Date: March 2014 | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | P-1 Line Item Number / Title: E00400 / E-4 | | Modification Number / Title: 1 / AEHF Compatible Terminal/PNVC | |
| Models of Systems Affected: E-4B | | Modification Type: Capability Improvement | | | Related RDT&E PEs: 0302015F | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| RDT&E PE # | | | | | | |
| 0302015F | - / - | - / 14.906 | - / 0.068 | - / 1.692 | - / - | - / 1.692 |
| Procurement | | | | | | |
| <i>Modification Item 1 of 1: Initial Kits</i> | | | | | | |
| A Kits | | | | | | |
| Recurring | | | | | | |
| Initial Kits:INSTALL KITS Group A (Active) | - / - | - / - | - / - | - / - | - / - | - / - |
| <i>Subtotal: Recurring</i> | - / - | - / - | - / - | - / - | - / - | - / - |
| <i>Subtotal: Initial Kits</i> | - / - | - / - | - / - | - / - | - / - | - / - |
| <i>Subtotal: Procurement, All Modification Items</i> | - / - | - / - | - / - | - / - | - / - | - / - |
| Support (All Modification Items) | | | | | | |
| Data | - / - | - / - | - / - | - / 1.300 | - / - | - / 1.300 |
| PMA - Other Gov't Costs | - / - | - / - | - / - | - / 1.100 | - / - | - / 1.100 |
| <i>Subtotal: Support</i> | - / - | - / - | - / - | - / 2.400 | - / - | - / 2.400 |
| Installation | | | | | | |
| <i>Subtotal: Installation</i> | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | | | | | | |
| Total Cost (Procurement + Support + Installation) | - | - | - | 2.400 | - | 2.400 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | P-1 Line Item Number / Title: E00400 / E-4 | |
| Modification Number / Title: 1 / AEHF Compatible Terminal/PNVC | | | |
| Modification Item 1 of 1: Initial Kits | | | |
| Modification Item MDAP/MAIS Code: | | | |
| Manufacturer Information | | | |
| Manufacturer Name: Boeing | | Manufacturer Location: Wichita, KS | |
| Administrative Leadtime (<i>in Months</i>): 3 | | Production Leadtime (<i>in Months</i>): 6 | |
| Dates | FY 2013 | FY 2014 | FY 2015 |
| Contract Dates | | | |
| Delivery Dates | | | |
| Installation Information | | | |
| Method of Implementation (Organic): Org/Intermediate | | Installation Quantity: 0 | |
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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | Date: March 2014 | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | P-1 Line Item Number / Title: E00400 / E-4 | | Modification Number / Title: 4409 / Low Frequency Transmit System (LFTS) | | |

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total |
|---|--------------------|----------------|----------------|---------------------|---------------------|----------------------|
| Procurement Quantity <i>(Units in Each)</i> | - | - | - | - | - | - |
| Gross/Weapon System Cost <i>(\$ in Millions)</i> | - | - | - | 5.250 | - | 5.250 |
| Less PY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - |
| Net Procurement (P1) <i>(\$ in Millions)</i> | - | - | - | 5.250 | - | 5.250 |
| Plus CY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - |
| Total Obligation Authority <i>(\$ in Millions)</i> | - | - | - | 5.250 | - | 5.250 |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> | | | | | | |
| Initial Spares <i>(\$ in Millions)</i> | - | - | - | 8.082 | - | 8.082 |
| Gross/Weapon System Unit Cost <i>(\$ in Millions)</i> | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

The Very Low Frequency/Low Frequency (VLF/LF) Transmit System Replacement program will replace the current VLF/LF Transmit system that is on the E-4B. The current system has been on the E-4B for over 35 years and is past its useful life. This system must be replaced in order to meet existing National Security Presidential Directive (NSPD)-28 requirements and ensure there is constant and consistent connectivity to National Leaders and Forces in real world situations. The VLF/LF system consists of three primary equipment groups: a Receiver/Transmitter group, a Power Amplifier-Coupler (PA-C) group, and a Dual Trailing Wire Antenna (DTWA) group.

Milestone/Development Status

FY15 development activities consist of solution analysis, integration support planning, logistics planning, install kit development, early prototyping and modeling activities, and preliminary testing support.

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | Date: March 2014 | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | P-1 Line Item Number / Title: E00400 / E-4 | | | Modification Number / Title: 4409 / Low Frequency Transmit System (LFTS) | |
| Models of Systems Affected: E-4B | | | Modification Type: Capability Improvement | | | Related RDT&E PEs: 0302015F | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | |
| RDT&E PE # | | | | | | | |
| 0302015F | - / - | - / - | 1 / 12.573 | 1 / 27.078 | - / - | 1 / 27.078 | |
| Procurement | | | | | | | |
| Modification Item 1 of 1: LFTS Baseline Kit | | | | | | | |
| A Kits | | | | | | | |
| Recurring | | | | | | | |
| LFTS Baseline Kit:INSTALL KITS Group A (Active) | - / - | - / - | - / - | - / - | - / - | - / - | |
| Subtotal: Recurring | - / - | - / - | - / - | - / - | - / - | - / - | |
| Subtotal: LFTS Baseline Kit | - / - | - / - | - / - | - / - | - / - | - / - | |
| Subtotal: Procurement, All Modification Items | - / - | - / - | - / - | - / - | - / - | - / - | |
| Support (All Modification Items) | | | | | | | |
| SUPPORT-EQUIP | - / - | - / - | - / - | 1 / 5.250 | - / - | 1 / 5.250 | |
| PMA - Other Gov't Costs | - / - | - / - | - / - | 1 / - | - / - | 1 / - | |
| Subtotal: Support | - / - | - / - | - / - | 2 / 5.250 | - / - | 2 / 5.250 | |
| Installation | | | | | | | |
| Subtotal: Installation | - / - | - / - | - / - | - / - | - / - | - / - | |
| Total | | | | | | | |
| Total Cost (Procurement + Support + Installation) | - | - | - | 5.250 | - | 5.250 | |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | P-1 Line Item Number / Title: E00400 / E-4 | |
| | | Modification Number / Title: 4409 / Low Frequency Transmit System (LFTS) | |
| Modification Item 1 of 1: LFTS Baseline Kit | | | |
| Modification Item MDAP/MAIS Code: | | | |
| Manufacturer Information | | | |
| Manufacturer Name: TBD | | Manufacturer Location: TBD | |
| Administrative Leadtime (<i>in Months</i>): 2 | | Production Leadtime (<i>in Months</i>): 5 | |
| Dates | FY 2013 | FY 2014 | FY 2015 |
| Contract Dates | | | |
| Delivery Dates | | | |
| Installation Information | | | |
| Method of Implementation (Organic): Org/Intermediate | | Installation Quantity: 0 | |
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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: E00400 / E-4 | Modification Number / Title: 2 / E-4B COMMUNICATION NAVIGATION SURVEILLANCE/AIR TRAFFIC MANAGEMENT I |

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO[#] | FY 2015 Total |
|---|--------------------|----------------|----------------|---------------------|--------------------------------|----------------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | - | - | 5.300 | 5.220 | - | 5.220 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - |
| Net Procurement (P1) (<i>\$ in Millions</i>) | - | - | 5.300 | 5.220 | - | 5.220 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | - | - | 5.300 | 5.220 | - | 5.220 |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> | | | | | | |
| Initial Spares (<i>\$ in Millions</i>) | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - |

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

The CNS/ATM modification upgrades the air traffic communications systems to improve Navigation and Instrument Approach capabilities. These modifications are required to comply with air traffic management requirements and maintain world-wide availability. CNS/ATM requirements are addressed via incremental modification programs. The current increment will include the following modifications: A Mode 5 Identification Friend or Foe (IFF), Flight Management Computer (FMC) upgrades, and a Multi-Mode Receiver for Precision Global Positioning System (GPS).

Milestone/Development Status

Prototype retrofit kit completed using Research, Development, Test and Evaluation (RDT&E) resources. Projected completion of first aircraft in third quarter FY14.

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | Date: March 2014 | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | P-1 Line Item Number / Title: E00400 / E-4 | | Modification Number / Title: 2 / E-4B COMMUNICATION NAVIGATION SURVEILLANCE/AIR TRAFFIC MANAGEMENT I | |
| Models of Systems Affected: E-4B | | Modification Type: Capability Improvement | | | Related RDT&E PEs: 0302015F | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Procurement | | | | | | |
| <i>Modification Item 1 of 1: CNS/ATM Baseline</i> | | | | | | |
| A Kits | | | | | | |
| Recurring | | | | | | |
| CNS/ATM Baseline:INSTALL KITS Group A (Active) | - / - | - / - | 1 / 1.100 | 1 / 1.100 | - / - | 1 / 1.100 |
| <i>Subtotal: Recurring</i> | - / - | - / - | - / 1.100 | - / 1.100 | - / - | - / 1.100 |
| <i>Subtotal: CNS/ATM Baseline</i> | - / - | - / - | - / 1.100 | - / 1.100 | - / - | - / 1.100 |
| <i>Subtotal: Procurement, All Modification Items</i> | - / - | - / - | - / 1.100 | - / 1.100 | - / - | - / 1.100 |
| Support (All Modification Items) | | | | | | |
| Data | - / - | - / - | - / 0.125 | - / 0.050 | - / - | - / 0.050 |
| PMA - Other Gov't Costs | - / - | - / - | - / 0.025 | - / 0.020 | - / - | - / 0.020 |
| <i>Subtotal: Support</i> | - / - | - / - | - / 0.150 | - / 0.070 | - / - | - / 0.070 |
| Installation | | | | | | |
| <i>Modification Item 1 of 1: CNS/ATM Baseline</i> | | | | | | |
| <i>Subtotal: Installation</i> | - / - | - / - | 1 / 4.050 | 1 / 4.050 | - / - | 1 / 4.050 |
| Total | | | | | | |
| Total Cost (Procurement + Support + Installation) | - | - | 5.300 | 5.220 | - | 5.220 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: E00400 / E-4 | Modification Number / Title: 2 / E-4B COMMUNICATION NAVIGATION SURVEILLANCE/AIR TRAFFIC MANAGEMENT I |

Modification Item 1 of 1: CNS/ATM Baseline

Modification Item MDAP/MAIS Code:

Manufacturer Information

| | | | |
|--|----------------|------------------------------------|----------------|
| Manufacturer Name: Boeing | | Manufacturer Location: Wichita, KS | |
| Administrative Leadtime (in Months): 2 | | Production Leadtime (in Months): 6 | |
| Dates | FY 2013 | FY 2014 | FY 2015 |
| Contract Dates | | Dec 2013 | Jan 2015 |
| Delivery Dates | | Jun 2014 | Jul 2015 |

Installation Information

Method of Implementation: Depot

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
|-------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2013 | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | 1 / 4.050 | - / - | - / - | - / - |
| FY 2015 | - / - | - / - | - / - | 1 / 4.050 | - / - | 1 / 4.050 |
| Total | - / - | - / - | 1 / 4.050 | 1 / 4.050 | - / - | 1 / 4.050 |

Installation Schedule

| | PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 |
| In | 0 | - | - | - | - | 1 | - | - | - | 1 | - | - | - |
| Out | 0 | - | - | - | - | - | - | 1 | - | - | - | 1 | - |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | Date: March 2014 |
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|---|--|--|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: E00400 / E-4 | Modification Number / Title: 3 / SERVICE BULLETINS |
|---|--|--|

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO [#] | FY 2015 Total |
|---|--------------|--------------|--------------|--------------|--------------------------|---------------|
| Procurement Quantity <i>(Units in Each)</i> | - | - | - | - | - | - |
| Gross/Weapon System Cost <i>(\$ in Millions)</i> | 8.116 | 5.479 | 0.657 | 5.589 | - | 5.589 |
| Less PY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - |
| Net Procurement (P1) <i>(\$ in Millions)</i> | 8.116 | 5.479 | 0.657 | 5.589 | - | 5.589 |
| Plus CY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - |
| Total Obligation Authority <i>(\$ in Millions)</i> | 8.116 | 5.479 | 0.657 | 5.589 | - | 5.589 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | |
|---|---|---|---|---|---|---|
| Initial Spares <i>(\$ in Millions)</i> | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost <i>(\$ in Millions)</i> | - | - | - | - | - | - |

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

Funds are required to complete Service Bulletins in order to maintain compliance with FAA standards and certification. Service Bulletins affect the safety, product improvements, maintenance, and reliability for the aircraft, engines, and associated mission equipment. The funding profile is driven by Service Bulletin due date and aircraft availability.

Milestone/Development Status

None

UNCLASSIFIED

| | | | | | | |
|---|-----------------------------------|---|--|-----------------------------------|--|-----------------------------------|
| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | Date: March 2014 | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | P-1 Line Item Number / Title: E00400 / E-4 | | Modification Number / Title: 3 / SERVICE BULLETINS | |
| Models of Systems Affected: E-4B | | Modification Type: Reliability & Maintainability | | | Related RDT&E PEs: 0302015F | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Procurement | | | | | | |
| <i>Modification Item 1 of 1: Service Support Deliverables</i> | | | | | | |
| A Kits | | | | | | |
| Recurring | | | | | | |
| Service Support Deliverables:INSTALL KITS Group A (Active) | 3 / 5.606 | 1 / 5.444 | 1 / 0.304 | 2 / 2.279 | - / - | 2 / 2.279 |
| <i>Subtotal: Recurring</i> | - / 5.606 | - / 5.444 | - / 0.304 | - / 2.279 | - / - | - / 2.279 |
| <i>Subtotal: Service Support Deliverables</i> | - / 5.606 | - / 5.444 | - / 0.304 | - / 2.279 | - / - | - / 2.279 |
| <i>Subtotal: Procurement, All Modification Items</i> | - / 5.606 | - / 5.444 | - / 0.304 | - / 2.279 | - / - | - / 2.279 |
| Support (All Modification Items) | | | | | | |
| SUPPORT-EQUIP | - / - | - / - | - / - | - / 1.031 | - / - | - / 1.031 |
| Make New Selection | - / - | - / 0.035 | - / 0.048 | - / - | - / - | - / - |
| <i>Subtotal: Support</i> | - / - | - / 0.035 | - / 0.048 | - / 1.031 | - / - | - / 1.031 |
| Installation | | | | | | |
| <i>Modification Item 1 of 1: Service Support Deliverables</i> | 3 / 2.510 | 1 / - | 1 / 0.305 | 2 / 2.279 | - / - | 2 / 2.279 |
| <i>Subtotal: Installation</i> | 3 / 2.510 | 1 / - | 1 / 0.305 | 2 / 2.279 | - / - | 2 / 2.279 |
| Total | | | | | | |
| Total Cost (Procurement + Support + Installation) | 8.116 | 5.479 | 0.657 | 5.589 | - | 5.589 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: E00400 / E-4 | Modification Number / Title: 3 / SERVICE BULLETINS |

Modification Item 1 of 1: Service Support Deliverables

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Boeing Wichita, KS Manufacturer Location: San Antonio, TX

Administrative Leadtime (in Months): 2 Production Leadtime (in Months): 4

| Dates | FY 2013 | FY 2014 | FY 2015 |
|----------------|----------|----------|----------|
| Contract Dates | Feb 2013 | Feb 2014 | Jan 2015 |
| Delivery Dates | Jun 2013 | Jun 2014 | May 2015 |

Installation Information

Method of Implementation: Depot Field Team

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | 3 / 2.510 | - / - | - / - | - / - | - / - | - / - |
| FY 2013 | - / - | 1 / - | - / - | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | 1 / 0.305 | - / - | - / - | - / - |
| FY 2015 | - / - | - / - | - / - | 2 / 2.279 | - / - | 2 / 2.279 |
| Total | 3 / 2.510 | 1 / - | 1 / 0.305 | 2 / 2.279 | - / - | 2 / 2.279 |

Installation Schedule

| PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | |
|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|
| | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 |
| In | 3 | 1 | - | - | - | 1 | - | - | 2 | - | - | - |
| Out | 3 | - | - | 1 | - | - | - | 1 | - | - | 2 | - |

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

| | |
|--|--|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft | P-1 Line Item Number / Title: E00800 / E-8 |
|--|--|

| | | |
|---|---|---|
| ID Code (A=Service Ready, B=Not Service Ready) : | Program Elements for Code B Items: | Other Related Program Elements: 0207581F |
|---|---|---|

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|--|----------------|---------------|---------------|--------------|--------------|---------------|--------------|---------|----------------|----------------|-------------|----------------|
| Procurement Quantity (Units in Each) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (\$ in Millions) | 128.417 | 48.811 | 48.078 | - | - | - | 0.001 | - | 111.214 | 272.277 | - | 608.798 |
| Less PY Advance Procurement (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (\$ in Millions) | 128.417 | 48.811 | 48.078 | - | - | - | 0.001 | - | 111.214 | 272.277 | - | 608.798 |
| Plus CY Advance Procurement (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (\$ in Millions) | 128.417 | 48.811 | 48.078 | - | - | - | 0.001 | - | 111.214 | 272.277 | - | 608.798 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial Spares (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Flyaway Unit Cost (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

This line item funds modifications to the E-8C Joint Surveillance and Target Attack Radar System (JSTARS) aircraft through FY 2015 and begins procurement of the JSTARS Recapitalization program in FY 2018. The JSTARS was developed for ground surveillance, targeting, and battle management. The E-8C is a modified Boeing 707-300 airframe that provides a unique blend of Battle Management Command and Control (BMC2) and Intelligence, Surveillance, and Reconnaissance (ISR). Air Battle Managers onboard the JSTARS use its wide area ground surveillance radar to build situational awareness and identify targets which are passed to strike assets or crossed cued with ISR platforms. The capability to perform this dual mission at the tactical edge both reduces the time to execute the kill chain and improves ISR collections across the range of military options. The JSTARS Recapitalization program will replace the aging E-8C JSTARS (1960's vintage Boeing 707-300 airframes, E-8C IOC achieved in 1997) with modern, more efficient, and capable aircraft and mission systems. With the decision to recapitalize the E-8C JSTARS fleet, the last year of JSTARS modernization funding is FY 2014 which funds fielding, transition and closeout efforts.

| Secondary Distribution | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|--------------------------------------|-----------------------------------|---------------|---------------|-------------|---------------|---------|---------|---------|---------|
| AF | Quantity | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 31.522 | 21.371 | - | - | - | - | - | - |
| AFNG | Quantity | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 17.289 | 26.707 | - | - | - | - | - | - |
| Total: Secondary Distribution | Quantity | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 48.811 | 48.078 | - | - | - | - | - | - |

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
E00800 / E-8

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** **Other Related Program Elements:** 0207581F

| Exhibits Schedule | | ID CD | Prior Years | | | FY 2013 | | | FY 2014 | | | FY 2015 Base | | | FY 2015 OCO | | | FY 2015 Total | | |
|---|----------|----------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|
| Title* | Exhibits | | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 1 / Prime Mission Equipment - Diminishing Manufacturing Sources (PME- DMS) | P-40a*** | | - | | 0.361 | - | | 46.555 | - | | 48.067 | - | | - | | - | - | | - | |
| Item - 2 / KILL CHAIN ENHANCEMENT MODIFICATIONS | P-40a*** | | - | | 111.177 | - | | 0.929 | - | | 0.011 | - | | - | | - | - | | - | |
| Item - 3 / JTRS INTEGRATION | P-40a*** | | - | | 16.879 | - | | 1.327 | - | | - | - | | - | | - | - | | - | |
| Total Gross/Weapon System Cost | | | - | | 128.417 | - | | 48.811 | - | | 48.078 | - | | - | | - | - | | - | |

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

*For Items, Title represents the Item Number / Title [DODIC].

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
E34045 / Airborne Warning and Control System

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** **Other Related Program Elements:** 0207417F

Line Item MDAP/MAIS Code: 277 **Item MDAP/MAIS Code(s):**

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO [#] | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|--|--------------|----------|----------|----------------|--------------------------|----------------|----------------|----------------|----------------|---------------|---------------|----------------|
| Procurement Quantity (Units in Each) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (\$ in Millions) | 0.000 | - | - | 160.284 | - | 160.284 | 179.918 | 201.831 | 139.655 | 42.898 | 87.200 | 811.786 |
| Less PY Advance Procurement (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (\$ in Millions) | 0.000 | - | - | 160.284 | - | 160.284 | 179.918 | 201.831 | 139.655 | 42.898 | 87.200 | 811.786 |
| Plus CY Advance Procurement (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (\$ in Millions) | 0.000 | - | - | 160.284 | - | 160.284 | 179.918 | 201.831 | 139.655 | 42.898 | 87.200 | 811.786 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial Spares (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Flyaway Unit Cost (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:
No text provided.

| Exhibits Schedule | | Prior Years | | | FY 2013 | | | FY 2014 | | | FY 2015 Base | | | FY 2015 OCO | | | FY 2015 Total | | | |
|---------------------------------------|----------|-------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|
| Title* | Exhibits | ID CD | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| P-3a - 1 / BLOCK 40/45 BLOCK UPGRADE | P-3a | | - | - | 0.000 | - | - | - | - | - | - | - | - | 160.284 | - | - | - | - | - | 160.284 |
| Total Gross/Weapon System Cost | | | - | - | 0.000 | - | - | - | - | - | - | - | - | 160.284 | - | - | - | - | - | 160.284 |

| Exhibits Schedule | | FY 2016 | | | FY 2017 | | | FY 2018 | | | FY 2019 | | | To Complete | | | Total | | | |
|---------------------------------------|----------|---------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|
| Title* | Exhibits | ID CD | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| P-3a - 1 / BLOCK 40/45 BLOCK UPGRADE | P-3a | | - | - | 179.918 | - | - | 201.831 | - | - | 139.655 | - | - | 42.898 | - | - | 87.200 | - | - | 811.786 |
| Total Gross/Weapon System Cost | | | - | - | 179.918 | - | - | 201.831 | - | - | 139.655 | - | - | 42.898 | - | - | 87.200 | - | - | 811.786 |

*For the P-3a, Title represents the Modification Number / Title.

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| Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft | | P-1 Line Item Number / Title: E34045 / Airborne Warning and Control System |
| ID Code (A=Service Ready, B=Not Service Ready) : | Program Elements for Code B Items: | Other Related Program Elements: 0207417F |
| Line Item MDAP/MAIS Code: 277 | Item MDAP/MAIS Code(s): | |
| Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding. | | |

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

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|---|--|--|--|--|--|--|-------------------------|---|--|--|--|--|
| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | Date: March 2014 | | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | | P-1 Line Item Number / Title: E34045 / Airborne Warning and Control System | | | | Modification Number / Title: 1 / BLOCK 40/45 BLOCK UPGADE | | | | |

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|---|--------------------|----------------|----------------|---------------------|---------------------|----------------------|----------------|----------------|----------------|----------------|--------------------|----------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 0.000 | - | - | 160.284 | - | 160.284 | 179.918 | 201.831 | 139.655 | 42.898 | 87.200 | 811.786 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (<i>\$ in Millions</i>) | 0.000 | - | - | 160.284 | - | 160.284 | 179.918 | 201.831 | 139.655 | 42.898 | 87.200 | 811.786 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 0.000 | - | - | 160.284 | - | 160.284 | 179.918 | 201.831 | 139.655 | 42.898 | 87.200 | 811.786 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|---|-------|-------|-------|-------|---|-------|-------|-------|-------|-------|---|--------|
| Initial Spares (<i>\$ in Millions</i>) | 9.773 | 5.411 | 2.325 | 6.550 | - | 6.550 | 3.472 | 3.190 | 3.247 | 3.305 | - | 37.273 |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

The Airborne Warning and Control System (AWACS) Block 40/45 modification upgrades legacy E-3 mission systems computers, display processors, and displays to provide critical support to Air Force Battle Management Command and Control (BM/C2) missions. It provides the foundation required for all future Airborne Warning and Control System (AWACS) enterprise modifications through a customized implementation of Commercial Off The Shelf (COTS) hardware with a software intensive architecture. The Airborne Warning and Control System (AWACS) Block 40/45 Upgrade provides a single target/single track capability with an improved human-machine interface for time-critical targeting designed to increase combat effectiveness and reduce fratricide. The Airborne Warning and Control System (AWACS) Block 40/45 Upgrade includes an upgrade to Electronic Support Measures (ESM) sensor data processing; data fusion of both off-board and on-board sensor data through multi-source integration (MSI); a Data Link Infrastructure (DLI) upgrade with prioritized data link bandwidth management; new battle management tools; capability to parse, allow user access to, and integrate updates to Tactical Data Information Link (TADIL)-J message formats and protocols; enhanced mission and console recording capabilities while maintaining legacy chat communications and onboard training; modification of system software to accommodate Diminishing Manufacturing Sources (DMS). The FY15 budget will divest seven (7) E-3 aircraft, reducing the total quantity of E-3 Airborne Warning and Control System (AWACS) aircraft from thirty one (31) to twenty four (24). Low Rate Initial Production was approved for six (6) aircraft in Nov 2008 (one (1) buy in FY09, two (2) buys in FY10, and three (3) buys in FY12). The Block 40/45 Full Rate Production was approved for the remaining twenty five (25) aircraft and technology refresh of the six (6) LRIP aircraft in Nov 2012 and the production contract was awarded on 27 Dec 2012. The divestiture of seven (7) aircraft will reduce the remaining production aircraft from twenty five (25) aircraft to eighteen (18) aircraft. Air Force will use its Program Authority (PA) if available to restore aircraft to the full AWACS fleet of thirty one (31) aircraft. The modification will be installed on multiple trainers and ground systems. The development of the training systems, the Mission Crew Training Set (MCTS) and Mission Computing Maintenance Trainer (MCMT), began in FY11 and each type will be delivered to the user in FY14. An airborne training software package will be procured and delivered to the user by FY18. Under the Mission Computing Maintenance Trainer (MCMT) contract line item, the program developed ground systems used for mission planning and post-mission processing consisting of stationary ground stations at Tinker, Elmendorf, and Kadena locations (up to 150) and Deployable Ground Systems (DGS) (up to ten (10)) for use when the aircraft deploys to locations other than Kadena and Elmendorf. In FY13, the program office began Depot Activation activities to comply with Sources of Repair Assignment Program (SORAP) 09-063 that mandates organic hardware and software maintenance. Hardware Depot Activation will procure the required resources (test equipment, modules, training, repair documentation, etc.) to support the E-3G at the Oklahoma City Air Logistics Complex, OK. Funding for organic software maintenance will support stand-up of the Depot facility at the Warner Robins Air Logistics Complex, GA, for repairs of selected units, and the stand-up of the Avionics Integration Support Facility (AISF) at Tinker AFB to perform mission computing software maintenance activities.

Historically, funding for this modification contained in Weapon System Code (WSC) E00300, located at P-1 Line #57, but as part of the Major Programs Transparency Act and starting in FY15, the AWACS Block 40/45 Upgrade (MDAP) was moved to WSC E34045. Prior year funding contained in WSC E00300.

Milestone/Development Status

11/08 - Completed Aircraft Block 40/45 Development (Milestone C/LRIP) 01/11 - Began development of MCTS 03/11 - Began development of MCMT 08/11 - Completed Aircraft Block 40/45 Pre-Production

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: E34045 / Airborne Warning and Control System | Modification Number / Title: 1 / BLOCK 40/45 BLOCK UPGADE |

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|---|---------------------------------------|---------------------------------------|---------------------------------------|--|--|---------------------------------------|---------------------------------------|--|---------------------------------------|---|---------------------------------------|---------------------------------------|--|
| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | | | | Date: March 2014 | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | | | P-1 Line Item Number / Title: E34045 / Airborne Warning and Control System | | | | | Modification Number / Title: 1 / BLOCK 40/45 BLOCK UPGADE | | | |
| Models of Systems Affected: E-3 | | | | Modification Type: Capability Improvement | | | | Related RDT&E PEs: 0207417F | | | | | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total | |
| | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | |
| Procurement | | | | | | | | | | | | | |
| <i>Modification Item 1 of 1: Block 4045</i> | | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| Block 4045:INSTALL KITS Group A (Active) | 3 / 0.000 | - / - | 2 / - | 3 / 28.823 | - / - | 3 / 28.823 | 2 / 23.201 | 3 / 31.385 | 3 / 31.556 | - / - | - / - | 16 / 114.965 | |
| <i>Subtotal: Recurring</i> | <i>- / 0.000</i> | <i>- / -</i> | <i>- / -</i> | <i>- / 28.823</i> | <i>- / -</i> | <i>- / 28.823</i> | <i>- / 23.201</i> | <i>- / 31.385</i> | <i>- / 31.556</i> | <i>- / -</i> | <i>- / -</i> | <i>- / 114.965</i> | |
| B Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| Block 4045:EQUIPMENT Group B (Active) | - / - | - / - | - / - | 3 / 15.372 | - / - | 3 / 15.372 | 2 / 57.896 | 3 / 17.597 | 3 / 20.829 | - / - | - / - | 11 / 111.694 | |
| <i>Subtotal: Recurring</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / 15.372</i> | <i>- / -</i> | <i>- / 15.372</i> | <i>- / 57.896</i> | <i>- / 17.597</i> | <i>- / 20.829</i> | <i>- / -</i> | <i>- / -</i> | <i>- / 111.694</i> | |
| <i>Subtotal: Block 4045</i> | <i>- / 0.000</i> | <i>- / -</i> | <i>- / -</i> | <i>- / 44.195</i> | <i>- / -</i> | <i>- / 44.195</i> | <i>- / 81.097</i> | <i>- / 48.982</i> | <i>- / 52.385</i> | <i>- / -</i> | <i>- / -</i> | <i>- / 226.659</i> | |
| <i>Subtotal: Procurement, All Modification Items</i> | <i>- / 0.000</i> | <i>- / -</i> | <i>- / -</i> | <i>- / 44.195</i> | <i>- / -</i> | <i>- / 44.195</i> | <i>- / 81.097</i> | <i>- / 48.982</i> | <i>- / 52.385</i> | <i>- / -</i> | <i>- / -</i> | <i>- / 226.659</i> | |
| Support (All Modification Items) | | | | | | | | | | | | | |
| GROUP B: TOTAL NONRECURRING | - / - | - / - | - / - | - / 16.719 | - / - | - / 16.719 | - / 28.792 | - / 37.031 | - / 18.857 | - / 9.430 | - / 42.738 | - / 153.567 | |
| Change Orders | - / - | - / - | - / - | - / 0.472 | - / - | - / 0.472 | - / 0.313 | - / 0.951 | - / 7.294 | - / 0.656 | - / 0.589 | - / 10.275 | |
| Data | - / - | - / - | - / - | - / 0.330 | - / - | - / 0.330 | - / 0.337 | - / 0.342 | - / 0.349 | - / - | - / - | - / 1.358 | |
| SIM/TRAINER | - / - | - / - | - / - | - / 1.129 | - / - | - / 1.129 | - / 2.152 | - / 33.050 | - / 0.156 | - / 0.159 | - / - | - / 36.646 | |
| SUPPORT-EQUIP | - / - | - / - | - / - | - / 28.294 | - / - | - / 28.294 | - / 5.616 | - / 15.666 | - / - | - / - | - / - | - / 49.576 | |
| ICS-Labor | - / - | - / - | - / - | - / 18.769 | - / - | - / 18.769 | - / 11.709 | - / 17.636 | - / 15.054 | - / 11.185 | - / 11.576 | - / 85.929 | |
| OTHER GOVT | - / - | - / - | - / - | - / 1.928 | - / - | - / 1.928 | - / 3.163 | - / 3.269 | - / 1.329 | - / 1.029 | - / 0.618 | - / 11.336 | |
| GFP | - / - | - / - | - / - | - / 0.331 | - / - | - / 0.331 | - / 0.652 | - / 0.339 | - / 0.376 | - / - | - / - | - / 1.698 | |
| PMA - Other Gov't Costs | - / - | - / - | - / - | - / 1.784 | - / - | - / 1.784 | - / 1.520 | - / 1.351 | - / 1.175 | - / 1.175 | - / 0.700 | - / 17.705 | |
| PMA - Contractor Services | - / - | - / - | - / - | - / 5.042 | - / - | - / 5.042 | - / 4.667 | - / 3.835 | - / 3.707 | - / 3.566 | - / 2.137 | - / 22.954 | |
| <i>Subtotal: Support</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / 74.798</i> | <i>- / -</i> | <i>- / 74.798</i> | <i>- / 58.921</i> | <i>- / 113.470</i> | <i>- / 48.297</i> | <i>- / 27.200</i> | <i>- / 58.358</i> | <i>- / 381.044</i> | |
| Installation | | | | | | | | | | | | | |
| <i>Modification Item 1 of 1: Block 4045</i> | | | | | | | | | | | | | |
| <i>Subtotal: Installation</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>4 / 41.291</i> | <i>- / -</i> | <i>4 / 41.291</i> | <i>2 / 39.900</i> | <i>2 / 39.379</i> | <i>3 / 38.973</i> | <i>2 / 15.698</i> | <i>3 / 28.842</i> | <i>16 / 204.083</i> | |
| Total | | | | | | | | | | | | | |
| Total Cost (Procurement + Support + Installation) | 0.000 | - | - | 160.284 | - | 160.284 | 179.918 | 201.831 | 139.655 | 42.898 | 87.200 | 811.786 | |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: E34045 / Airborne Warning and Control System | Modification Number / Title: 1 / BLOCK 40/45 BLOCK UPGADE |

Modification Item 1 of 1: Block 4045

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Boeing Manufacturer Location: Seattle

Administrative Leadtime (in Months): 2 Production Leadtime (in Months): 18

| Dates | FY 2013 | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|----------------|---------|----------|----------|----------|----------|----------|----------|
| Contract Dates | | Dec 2013 | Dec 2014 | Dec 2015 | Dec 2016 | Dec 2017 | |
| Delivery Dates | | Sep 2015 | Jun 2016 | Dec 2015 | Oct 2016 | Jun 2019 | Nov 2018 |

Installation Information

Method of Implementation: Depot

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | - / - | - / - | - / - | 3 / 30.968 | - / - | 3 / 30.968 | - / - | - / - | - / - | - / - | - / - | 3 / 30.968 |
| FY 2013 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | - / - | 1 / 10.323 | - / - | 1 / 10.323 | 1 / 19.950 | - / - | - / - | - / - | - / - | 2 / 30.273 |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - | 1 / 19.950 | 2 / 39.379 | - / - | - / - | - / - | 3 / 59.329 |
| FY 2016 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 2 / 26.112 | - / - | - / - | 2 / 26.112 |
| FY 2017 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 1 / 12.861 | 2 / 15.698 | - / - | 3 / 28.559 |
| FY 2018 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 3 / 28.842 | 3 / 28.842 |
| FY 2019 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| To Complete | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | - / - | - / - | - / - | 4 / 41.291 | - / - | 4 / 41.291 | 2 / 39.900 | 2 / 39.379 | 3 / 38.973 | 2 / 15.698 | 3 / 28.842 | 16 / 204.083 |

Installation Schedule

| | PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | | FY 2016 | | | | FY 2017 | | | | FY 2018 | | | | FY 2019 | | | | TC | Tot |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | |
| In | 0 | - | - | - | - | - | - | - | - | - | 2 | 2 | - | 1 | - | 1 | - | - | 1 | 1 | - | 2 | - | 1 | - | 1 | - | 1 | - | 3 | 16 |
| Out | 0 | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | - | 1 | 1 | - | 1 | 1 | - | - | 2 | - | 1 | - | 1 | - | 1 | 4 | 16 |

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
FBLOST / FBLOST

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0303601F **Other Related Program Elements:** 0303601F

Line Item MDAP/MAIS Code: 199 **Item MDAP/MAIS Code(s):**

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|--|-------------|---------|---------|---------------|--------------|---------------|---------------|---------------|---------------|---------------|-------------|---------------|
| Procurement Quantity (Units in Each) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (\$ in Millions) | - | - | - | 32.026 | - | 32.026 | 23.817 | 11.595 | 11.814 | 12.035 | - | 91.287 |
| Less PY Advance Procurement (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (\$ in Millions) | - | - | - | 32.026 | - | 32.026 | 23.817 | 11.595 | 11.814 | 12.035 | - | 91.287 |
| Plus CY Advance Procurement (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (\$ in Millions) | - | - | - | 32.026 | - | 32.026 | 23.817 | 11.595 | 11.814 | 12.035 | - | 91.287 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial Spares (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Flyaway Unit Cost (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

The Family of Advanced Beyond Line-of-Sight Terminals (FAB-T) program replaces legacy Milstar terminals and will provide Extremely High Frequency (EHF), protected high data rate communication for nuclear and conventional forces to include Presidential National Voice Conferencing (PNVC). FAB-T will provide this new, highly secure, state-of-the-art capability for DoD platforms to include strategic and tactical airborne and ground command posts via Milstar, AEHF, and Enhanced Polar System (EPS) satellites. FAB-T terminals will also support the critical command and control (C2) of the Milstar, AEHF, and EPS satellite constellations. Funding in FY15 will continue program office support and production activities including low rate initial production. Quantities, unit cost, and to complete estimates are not available due to ongoing source selection activities. Information will be available after the downselect decision scheduled for 2QFY14 and completion of the OSD Cost Assessment and Program Evaluation (CAPE) Independent Cost Estimate (ICE).

| Exhibits Schedule | | Prior Years | | | FY 2013 | | | FY 2014 | | | FY 2015 Base | | | FY 2015 OCO | | | FY 2015 Total | | | |
|---|----------|-------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|
| Title* | Exhibits | ID CD | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| P-3a - 1 / Family of Beyond Line-of-Sight Terminals | P-3a | | - | - | - | - | - | - | - | - | - | - | - | 32.026 | - | - | - | - | - | 32.026 |
| Total Gross/Weapon System Cost | | | - | - | - | - | - | - | - | - | - | - | - | 32.026 | - | - | - | - | - | 32.026 |

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
FBLOST / FBLOST

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0303601F **Other Related Program Elements:** 0303601F

Line Item MDAP/MAIS Code: 199 **Item MDAP/MAIS Code(s):**

| Exhibits Schedule | | ID CD | FY 2016 | | | FY 2017 | | | FY 2018 | | | FY 2019 | | | To Complete | | | Total | | |
|---|----------|----------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|
| Title* | Exhibits | | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| P-3a - 1 / Family of Beyond Line-of-Sight Terminals | P-3a | | - | - | 23.817 | - | - | 11.595 | - | - | 11.814 | - | - | 12.035 | - | - | - | - | - | 91.287 |
| Total Gross/Weapon System Cost | | | - | - | 23.817 | - | - | 11.595 | - | - | 11.814 | - | - | 12.035 | - | - | - | - | - | 91.287 |

*For the P-3a, Title represents the Modification Number / Title.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

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|---|--|--|--|---|--|--|-------------------------|---|--|--|--|--|
| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | Date: March 2014 | | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | | P-1 Line Item Number / Title: FBLOST / FBLOST | | | | Modification Number / Title: 1 / Family of Beyond Line-of-Sight Terminals | | | | |

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|---|--------------------|----------------|----------------|---------------------|---------------------|----------------------|----------------|----------------|----------------|----------------|--------------------|---------------|
| Procurement Quantity <i>(Units in Each)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost <i>(\$ in Millions)</i> | - | - | - | 32.026 | - | 32.026 | 23.817 | 11.595 | 11.814 | 12.035 | - | 91.287 |
| Less PY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) <i>(\$ in Millions)</i> | - | - | - | 32.026 | - | 32.026 | 23.817 | 11.595 | 11.814 | 12.035 | - | 91.287 |
| Plus CY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority <i>(\$ in Millions)</i> | - | - | - | 32.026 | - | 32.026 | 23.817 | 11.595 | 11.814 | 12.035 | - | 91.287 |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> | | | | | | | | | | | | |
| Initial Spares <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

The Family of Advanced Beyond Line-of-Sight Terminals (FAB-T) program replaces legacy Milstar terminals and will provide Extremely High Frequency (EHF), protected high data rate communication for nuclear and conventional forces to include Presidential National Voice Conferencing (PNVC). FAB-T will provide this new, highly secure, state-of-the-art capability for DoD platforms to include strategic and tactical airborne and ground command posts via Milstar, AEHF, and Enhanced Polar System (EPS) satellites. FAB-T terminals will also support the critical command and control (C2) of the Milstar, AEHF, and EPS satellite constellations. Funding in FY15 will continue program office support and production activities including low rate initial production. Quantities, unit cost, and to complete estimates are not available due to ongoing source selection activities. Information will be available after the downselect decision scheduled for 2QFY14 and completion of the OSD Cost Assessment and Program Evaluation (CAPE) Independent Cost Estimate (ICE).

Milestone/Development Status

Funding in FY15 will continue program office support and FAB-T production activities including low rate initial production.

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | | | | Date: March 2014 | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | | | P-1 Line Item Number / Title: FBLOST / FBLOST | | | | | Modification Number / Title: 1 / Family of Beyond Line-of-Sight Terminals | | | |

| | | | | | | | | | | | | |
|--|--|--|--|---------------------------------|--|--|--|--|--|--|--|--|
| Models of Systems Affected: FAB-T | | | | Modification Type: Other | | | | Related RDT&E PEs: 0303601F | | | | |
|--|--|--|--|---------------------------------|--|--|--|--|--|--|--|--|

| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|--|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| RDT&E PE # | | | | | | | | | | | | |
| 0303601F | - / - | - / - | - / - | 55,208 / 3.933 | - / - | 55,208 / 3.933 | - / - | - / - | - / - | - / - | - / - | 55,208 / 3.933 |
| Procurement | | | | | | | | | | | | |
| <i>Modification Item 1 of 1:</i> FAB-T | | | | | | | | | | | | |
| B Kits | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | |
| FAB-T:EQUIPMENT Group B (Active) | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| <i>Subtotal: Recurring</i> | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| <i>Subtotal: FAB-T</i> | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| <i>Subtotal: Procurement, All Modification Items</i> | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| Support (All Modification Items) | | | | | | | | | | | | |
| GROUP B: TOTAL NONRECURRING | - / - | - / - | - / - | - / 32.026 | - / - | - / 32.026 | - / 23.817 | - / 11.595 | - / 11.814 | - / 12.035 | - / - | - / 91.287 |
| <i>Subtotal: Support</i> | - / - | - / - | - / - | - / 32.026 | - / - | - / 32.026 | - / 23.817 | - / 11.595 | - / 11.814 | - / 12.035 | - / - | - / 91.287 |
| Installation | | | | | | | | | | | | |
| <i>Subtotal: Installation</i> | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | | | | | | | | | | | | |
| Total Cost (Procurement + Support + Installation) | - | - | - | 32.026 | - | 32.026 | 23.817 | 11.595 | 11.814 | 12.035 | - | 91.287 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | Date: March 2014 | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | P-1 Line Item Number / Title: FBLOST / FBLOST | | | Modification Number / Title: 1 / Family of Beyond Line-of-Sight Terminals | |
| Modification Item 1 of 1: FAB-T | | | | | | | |
| Modification Item MDAP/MAIS Code: | | | | | | | |
| Manufacturer Information | | | | | | | |
| Manufacturer Name: Unknown | | | | Manufacturer Location: Unknown | | | |
| Administrative Leadtime (<i>in Months</i>): 0 | | | | Production Leadtime (<i>in Months</i>): 0 | | | |
| Dates | FY 2013 | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
| Contract Dates | | | | | | | |
| Delivery Dates | | | | | | | |
| Installation Information | | | | | | | |
| Method of Implementation (Organic): Org/Intermediate | | | | | Installation Quantity: 0 | | |
| | | | | | | | |

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
H00100 / H-1

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0101235F, 0401314F **Other Related Program Elements:**

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|--|----------------|---------------|--------------|--------------|--------------|---------------|--------------|--------------|--------------|--------------|-------------|----------------|
| Procurement Quantity (Units in Each) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (\$ in Millions) | 161.781 | 16.642 | 6.627 | 8.237 | - | 8.237 | 8.372 | 7.938 | 2.686 | 2.736 | - | 215.019 |
| Less PY Advance Procurement (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (\$ in Millions) | 161.781 | 16.642 | 6.627 | 8.237 | - | 8.237 | 8.372 | 7.938 | 2.686 | 2.736 | - | 215.019 |
| Plus CY Advance Procurement (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (\$ in Millions) | 161.781 | 16.642 | 6.627 | 8.237 | - | 8.237 | 8.372 | 7.938 | 2.686 | 2.736 | - | 215.019 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial Spares (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Flyaway Unit Cost (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

This line item funds modifications to UH-1N and UH-1H/TH-1H aircraft. The two-engine UH-1N is a light, utility helicopter primarily used for missile site and range support and distinguished visitor airlift support. The Huey II Modernization budgeted in FY2014 continues modification of single-engine UH-1H aircraft to TH-1H configuration for use in the helicopter track of USAF Specialized Undergraduate Pilot Training. There are 62 UH-1N aircraft in the inventory. They were built with an estimated service life of 10,000 flight hours and are not service limited due to on-going modifications and upgrades. There are 28 TH-1H aircraft in the inventory with the newest delivered in CY2013. The TH-1H modification provides a service life of 20 years. The specific modifications budgeted and programmed are listed below.

Modifications number 8848 Air Education & Training Command Forward Looking Infrared Systems (AETC FLIR) and 8850 Simulator Concurrency are FY2015 new start efforts.

Funding in this exhibit is contained in PE 0101235F, PE 0401314F, and PE 0804747F.

| Exhibits Schedule | | ID CD | Prior Years | | | FY 2013 | | | FY 2014 | | | FY 2015 Base | | | FY 2015 OCO | | | FY 2015 Total | | |
|---|----------|-------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|
| Title* | Exhibits | | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 1 / HUEY II MODERNIZATION | P-40a*** | | - | - | 157.363 | - | - | 0.959 | - | - | 0.977 | - | - | 0.997 | - | - | - | - | - | 0.997 |
| Item - 2 / TRAFFIC ALERT & COLLISION AVOIDANCE SYSTEM | P-40a*** | | - | - | 3.000 | - | - | 3.000 | - | - | 4.750 | - | - | 4.750 | - | - | - | - | - | 4.750 |
| Item - 3 / UH-1N Safety Modifications | P-40a*** | | - | - | - | - | - | 11.200 | - | - | - | - | - | - | - | - | - | - | - | - |

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
H00100 / H-1

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0101235F, 0401314F **Other Related Program Elements:**

| Exhibits Schedule | | ID CD | Prior Years | | | FY 2013 | | | FY 2014 | | | FY 2015 Base | | | FY 2015 OCO | | | FY 2015 Total | | |
|---------------------------------------|----------|----------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|
| Title* | Exhibits | | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 4 / AETC FLIR | P-40a*** | | - | - | - | - | - | - | - | - | - | - | - | 0.500 | - | - | - | - | - | 0.500 |
| Item - 5 / Simulator Concurrency | P-40a*** | | - | - | - | - | - | - | - | - | - | - | - | 0.075 | - | - | - | - | - | 0.075 |
| Item - 6 / LOW COST MODIFICATIONS | P-40a*** | | - | - | 1.418 | - | - | 1.483 | - | - | 0.900 | - | - | 1.915 | - | - | - | - | - | 1.915 |
| Total Gross/Weapon System Cost | | | - | - | 161.781 | - | - | 16.642 | - | - | 6.627 | - | - | 8.237 | - | - | - | - | - | 8.237 |

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

*For Items, Title represents the Item Number / Title [DODIC].

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
H06000 / H-60

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0207224F **Other Related Program Elements:** 0207224F

Line Item MDAP/MAIS Code: None **Item MDAP/MAIS Code(s):**

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO [#] | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|---|----------------|---------------|---------------|---------------|--------------------------|---------------|---------------|---------------|---------------|---------------|-------------|----------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 525.407 | 80.450 | 27.654 | 60.110 | - | 60.110 | 45.781 | 19.056 | 11.646 | 11.864 | - | 781.968 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (<i>\$ in Millions</i>) | 525.407 | 80.450 | 27.654 | 60.110 | - | 60.110 | 45.781 | 19.056 | 11.646 | 11.864 | - | 781.968 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 525.407 | 80.450 | 27.654 | 60.110 | - | 60.110 | 45.781 | 19.056 | 11.646 | 11.864 | - | 781.968 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial Spares (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Flyaway Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

This line item funds modifications to the HH-60G helicopter. The HH-60G currently supports the Air Force's core function of Personnel Recovery. The primary mission of the HH-60G is to conduct day / night / marginal weather Combat Search and Rescue (CSAR) in order to recover isolated personnel in hostile or permissive environments. Other mission areas include casualty evacuation (CASEVAC), medical evacuation (MEDEVAC), non-combatant evacuation operations, civil search and rescue, international aid, disaster humanitarian relief, and insertion/extraction of combat forces. There are currently 98 of the original 112 HH-60Gs remaining.

The modification efforts budgeted in FY15 provide predictive maintenance analysis, safety/survivability upgrades, mission avionics upgrades, operational loss replacement mission modifications, and addresses obsolescence issues.

Funding for this exhibit contained in PE 0207224F.

In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

| Secondary Distribution | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|----------------------------|---------|---------|--------------|-------------|---------------|---------|---------|---------|---------|
| AF | | | | | | | | | |
| Quantity | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority | 78.999 | 23.828 | 57.039 | - | 57.039 | - | - | - | - |

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
H06000 / H-60

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0207224F **Other Related Program Elements:** 0207224F

Line Item MDAP/MAIS Code: None **Item MDAP/MAIS Code(s):**

| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|--|-----------------------------------|---------------|---------------|---------------|-------------|---------------|---------|---------|---------|---------|
| AFNG | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 0.539 | 2.064 | 1.907 | - | 1.907 | - | - | - | - |
| AFR | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 0.912 | 1.762 | 1.164 | - | 1.164 | - | - | - | - |
| Total: Secondary Distribution | Quantity | - | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 80.450 | 27.654 | 60.110 | - | 60.110 | - | - | - | - |

| Exhibits Schedule | | Prior Years | | | FY 2013 | | | FY 2014 | | | FY 2015 Base | | | FY 2015 OCO | | | FY 2015 Total | | | |
|---|----------|-------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|
| Title* | Exhibits | ID CD | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 1 / ALTITUDE HOLD AND HOVER SYSTEM (AHHS) | P-40a*** | | - | - | 28.401 | - | - | 4.631 | - | - | 4.281 | - | - | 1.118 | - | - | - | - | - | 1.118 |
| Item - 2 / SERVICE LIFE EXTENSION PROGRAM | P-40a*** | | - | - | 38.307 | - | - | 0.020 | - | - | 0.020 | - | - | - | - | - | - | - | - | - |
| Item - 3 / LIGHTWEIGHT AIRBORNE RECOVERY SYSTEM V12 UPGRADE | P-40a*** | | - | - | 17.576 | - | - | 3.004 | - | - | 2.077 | - | - | 1.001 | - | - | - | - | - | 1.001 |
| Item - 4 / Control Display Unit (CDU) | P-40a*** | | - | - | 12.500 | - | - | 0.534 | - | - | 0.010 | - | - | 0.010 | - | - | - | - | - | 0.010 |
| Item - 5 / Navigation System Upgrade (NSU) | P-40a*** | | - | - | 47.555 | - | - | 6.412 | - | - | 2.217 | - | - | 0.727 | - | - | - | - | - | 0.727 |
| Item - 6 / Vibration Monitoring System (VMS) | P-40a*** | | - | - | 29.423 | - | - | 2.420 | - | - | 4.506 | - | - | 4.779 | - | - | - | - | - | 4.779 |
| Item - 7 / Situation Awareness Data-Link | P-40a*** | | - | - | 21.937 | - | - | 0.020 | - | - | - | - | - | - | - | - | - | - | - | - |
| Item - 8 / Multi-function Color Display | P-40a*** | | - | - | 27.671 | - | - | 1.204 | - | - | 0.984 | - | - | 0.944 | - | - | - | - | - | 0.944 |
| Item - 9 / MODE 5 | P-40a*** | | - | - | 10.645 | - | - | 1.030 | - | - | 0.550 | - | - | 0.670 | - | - | - | - | - | 0.670 |
| Item - 10 / Gun Replacement | P-40a*** | | - | - | 8.084 | - | - | 2.320 | - | - | 7.435 | - | - | 2.381 | - | - | - | - | - | 2.381 |
| Item - 11 / CSAR Avionics/ Electrical Upgrade | P-40a*** | | - | - | 0.300 | - | - | 3.184 | - | - | 0.704 | - | - | 3.759 | - | - | - | - | - | 3.759 |
| Item - 12 / DEFENSIVE SYSTEM UPGRADE | P-40a*** | | - | - | 14.775 | - | - | 0.204 | - | - | 0.020 | - | - | 0.020 | - | - | - | - | - | 0.020 |
| Item - 13 / Ballistic Protection Enhancement | P-40a*** | | - | - | 1.847 | - | - | 0.020 | - | - | 0.020 | - | - | - | - | - | - | - | - | - |
| Item - 14 / LOW COST MODIFICATIONS | P-40a*** | | - | - | 1.716 | - | - | 1.224 | - | - | 0.970 | - | - | 0.419 | - | - | - | - | - | 0.419 |

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
H06000 / H-60

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0207224F **Other Related Program Elements:** 0207224F

Line Item MDAP/MAIS Code: None **Item MDAP/MAIS Code(s):**

| Exhibits Schedule | | ID CD | Prior Years | | | FY 2013 | | | FY 2014 | | | FY 2015 Base | | | FY 2015 OCO | | | FY 2015 Total | | |
|---|----------|----------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|
| Title* | Exhibits | | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| P-3a - 8854 / HH-60 OLR Mission Modifications | P-3a | | - | - | 264.670 | - | - | 54.223 | - | - | 3.860 | - | - | 44.282 | - | - | - | - | - | 44.282 |
| Total Gross/Weapon System Cost | | | - | - | 525.407 | - | - | 80.450 | - | - | 27.654 | - | - | 60.110 | - | - | - | - | - | 60.110 |

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

*For Items, Title represents the Item Number / Title [DODIC]. For the P-3a, Title represents the Modification Number / Title.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

UNCLASSIFIED

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: H06000 / H-60 | Modification Number / Title: 8854 / HH-60 OLR Mission Modifications |

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO[#] | FY 2015 Total |
|---|--------------------|----------------|----------------|---------------------|--------------------------------|----------------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 264.670 | 54.223 | 3.860 | 44.282 | - | 44.282 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - |
| Net Procurement (P1) (<i>\$ in Millions</i>) | 264.670 | 54.223 | 3.860 | 44.282 | - | 44.282 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 264.670 | 54.223 | 3.860 | 44.282 | - | 44.282 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | |
|---|---|---|---|---|---|---|
| Initial Spares (<i>\$ in Millions</i>) | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - |

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

The HH-60 Operational Loss Replacement (OLR) Mission Modification Program upgrades 21 Army UH-60L aircraft to the current Air Force HH-60G configuration, creating the Block 162 configuration. One OLR mission modification kit, made up of individual components for each system, will be installed per aircraft, for a total of 21 kits. This will require Non-Recurring Engineering (NRE) to develop a consolidated engineering package for installation. Long lead items will be procured as required to ensure they are available when needed. Long lead items include Group B Equipment such as: the avionics components, air refueling probes, and various specialized structures including, but not limited to, Color Weather RADAR (CWR) and Forward Looking Infrared (FLIR) fairings.

Required NRE, Prototype, Trial Install Kit Proof, Technical Data Updated and Modernization, and Software Lab support will be accomplished through existing US Army contracts where able. Additionally, reports will be requested in support of this effort that include but are not limited to: economic service life, aircraft system specification, information support and aircraft modernization. The aircraft modification installation will be accomplished by existing H-60 organic depot sources. Due to the urgency of this requirement, aircraft modification time will be reduced by establishing modification capabilities, providing specialized tooling required for the modification installs, at multiple depot locations which include Naval Air Station North Island, Corpus Christi Army Depot, Naval Air Station Jacksonville and Coast Guard Station Elizabeth City.

As a result of the age of the current aircraft, obsolescence is a major concern. Initial estimates indicate there are specific mission systems that need to be replaced including, but not limited to; CWR, Symbol Generator, ARC-210 Radios, and the APR-39(B)V2 Radar Warning Receiver. Replacements have been identified for many of these components; however, some NRE may be required for aircraft integration. Additional NRE may be required for other obsolete systems/components that are identified during the effort. New components will require a software development node in order to modify the existing HH-60 software to accommodate the new aircraft components without impacting the legacy fleet. Qualification flight testing will be necessary to ensure the design for the new hardware and software is compatible with existing aircraft systems.

Available program funding will be utilized to ensure the configuration remains common across the fleet. Finally, additional effort will be necessary to create modification instructions separate from the OLR Mission Modification Effort. FY15 funding provides for program management oversight, PMA, procuring production kits, and initiation of production installs.

Milestone/Development Status

As part of the Operation Loss Replacement (OLR) Program, the HH-60G System Program Office (SPO) will convert 21 Army UH-60L aircraft to the current Air Force HH-60G Pave Hawk configuration. For the NRE/Prototype/Trial Install/Kit-proof, an existing Army Logistics Support Facility (LSF) Indefinite Delivery Indefinite Quantity (IDIQ) contract will be used. The majority of these one-time contract costs are captured in the "OTHER GOVT" category. The SPO will acquire the long lead items and the follow-on LSF contract will be used to acquire and assemble the remaining kits. Production installs will be performed at various depots. RDT&E is not a component of this effort.

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: H06000 / H-60 | Modification Number / Title: 8854 / HH-60 OLR Mission Modifications |

| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
|---|----------------------------|---------|---------|-----------------|----------------|------------------|
| AF | Quantity | - | - | - | - | - |
| | Total Obligation Authority | 54.223 | 3.860 | 44.282 | - | 44.282 |
| Total: Secondary Distribution | Quantity | - | - | - | - | - |
| | Total Obligation Authority | 54.223 | 3.860 | 44.282 | - | 44.282 |

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|---|-----------------------------------|-----------------------------------|---|-----------------------------------|---|-----------------------------------|
| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | Date: March 2014 | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | P-1 Line Item Number / Title: H06000 / H-60 | | Modification Number / Title: 8854 / HH-60 OLR Mission Modifications | |
| Models of Systems Affected: HH-60 | | | Modification Type: Other | | Related RDT&E PEs: | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Procurement | | | | | | |
| <i>Modification Item 1 of 1: L2G KIT</i> | | | | | | |
| A Kits | | | | | | |
| Recurring | | | | | | |
| L2G KIT:INSTALL KITS Group A (Active) | 10 / 41.700 | 9 / 30.602 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Recurring</i> | - / 41.700 | - / 30.602 | - / - | - / - | - / - | - / - |
| B Kits | | | | | | |
| Recurring | | | | | | |
| L2G KIT:EQUIPMENT Group B (Active) | 16 / 104.685 | 3 / 23.014 ⁽¹⁾ | - / - | - / - | - / - | - / - |
| <i>Subtotal: Recurring</i> | - / 104.685 | - / 23.014 | - / - | - / - | - / - | - / - |
| <i>Subtotal: L2G KIT</i> | - / 146.385 | - / 53.616 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Procurement, All Modification Items</i> | - / 146.385 | - / 53.616 | - / - | - / - | - / - | - / - |
| Support (All Modification Items) | | | | | | |
| GROUP A: TOTAL NONRECURRING | - / 24.770 | - / - | - / - | - / - | - / - | - / - |
| GROUP B: TOTAL NONRECURRING | - / 11.500 | - / - | - / - | - / - | - / - | - / - |
| Change Orders | 1 / 6.805 | - / - | - / - | - / - | - / - | - / - |
| Data | 1 / 10.220 | - / - | - / - | - / - | - / - | - / - |
| SIM/TRAINER | 3 / 11.500 | - / - | - / - | - / - | - / - | - / - |
| SUPPORT-EQUIP | 1 / 4.500 | - / - | - / - | - / - | - / - | - / - |
| PMA - Contractor Services | - / 10.774 | - / 10.507 | - / 11.024 | - / 11.055 | - / - | - / 11.055 |
| PMA - Other Gov't Costs | - / 10.200 | - / 10.100 | - / 10.100 | - / 10.100 | - / - | - / 10.100 |
| PMA - Contractor Services (1) | - / 8.726 | - / - | - / 12.736 | - / - | - / - | - / - |
| Make New Selection | - / 10.000 | - / - | - / - | - / - | - / - | - / - |
| ICS-Labor | - / - | - / - | - / - | - / - | - / - | - / - |
| ICS-Material | - / - | - / - | - / - | - / - | - / - | - / - |
| OTHER GOVT | - / 39.290 | - / - | - / - | - / - | - / - | - / - |
| <i>Subtotal: Support</i> | 6 / 118.285 | - / 10.607 | - / 3.860 | - / 1.155 | - / - | - / 1.155 |
| Installation | | | | | | |
| <i>Modification Item 1 of 1: L2G KIT</i> | - / - | - / - | - / - | 7 / 43.127 | - / - | 7 / 43.127 |
| <i>Subtotal: Installation</i> | - / - | - / - | - / - | 7 / 43.127 | - / - | 7 / 43.127 |
| Total | | | | | | |
| Total Cost (Procurement + Support + Installation) | 264.670 | 54.223 | 3.860 | 44.282 | - | 44.282 |

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 **P-1 Line Item Number / Title:** H06000 / H-60 **Modification Number / Title:** 8854 / HH-60 OLR Mission Modifications

Models of Systems Affected: **Modification Type:** Other **Related RDT&E PEs:**

| Secondary Distribution | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|--|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Procurement | | | | | | | | | |
| <i>Modification Item 1 of 1: L2G KIT</i> | | | | | | | | | |
| AF | - / 53.616 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| <i>Subtotal: L2G KIT Secondary Distribution</i> | <i>- / 53.616</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> |
| <i>Subtotal: Procurement, All Modification Items</i> | <i>- / 53.616</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> |
| Support | | | | | | | | | |
| AF | - / 0.607 | - / 3.860 | - / 1.155 | - / - | - / 1.155 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Support</i> | <i>- / 0.607</i> | <i>- / 3.860</i> | <i>- / 1.155</i> | <i>- / -</i> | <i>- / 1.155</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> |
| Installation | | | | | | | | | |
| <i>Modification Item 1 of 1: L2G KIT</i> | | | | | | | | | |
| Depot | | | | | | | | | |
| AF | - / - | - / - | 7 / 43.127 | - / - | 7 / 43.127 | - / - | - / - | - / - | - / - |
| <i>Subtotal: Depot</i> | <i>- / -</i> | <i>- / -</i> | <i>7 / 43.127</i> | <i>- / -</i> | <i>7 / 43.127</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> |
| <i>Subtotal: L2G KIT</i> | <i>- / -</i> | <i>- / -</i> | <i>7 / 43.127</i> | <i>- / -</i> | <i>7 / 43.127</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> |
| <i>Subtotal: Installation</i> | <i>- / -</i> | <i>- / -</i> | <i>7 / 43.127</i> | <i>- / -</i> | <i>7 / 43.127</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> |
| Total | | | | | | | | | |
| Total: Secondary Distribution, All Modification Items | - / 54.223 | - / 3.860 | - / 44.282 | - / - | - / 44.282 | - / - | - / - | - / - | - / - |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: H06000 / H-60 | Modification Number / Title: 8854 / HH-60 OLR Mission Modifications |

Modification Item 1 of 1: L2G KIT

Modification Item MDAP/MAIS Code:

Manufacturer Information

| | | | |
|--|----------------|-------------------------------------|----------------|
| Manufacturer Name: Various | | Manufacturer Location: Various | |
| Administrative Leadtime (in Months): 8 | | Production Leadtime (in Months): 30 | |
| Dates | FY 2013 | FY 2014 | FY 2015 |
| Contract Dates | Jun 2013 | | |
| Delivery Dates | Dec 2015 | | |

Installation Information

Method of Implementation: Depot

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
|-----------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | - / - | - / - | - / - | 7 / 43.127 | - / - | 7 / 43.127 |
| Secondary Distribution - AF | - / - | - / - | - / - | 7 / 43.127 | - / - | 7 / 43.127 |
| FY 2013 | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | - / - | - / - | - / - | 7 / 43.127 | - / - | 7 / 43.127 |
| Secondary Distribution - AF | - / - | - / - | - / - | 7 / 43.127 | - / - | 7 / 43.127 |

Installation Schedule

| PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | | |
|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---|
| | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | |
| In | 0 | - | - | - | - | - | - | - | - | - | - | 3 | 4 |
| Out | 0 | - | - | - | - | - | - | - | - | - | - | - | - |

Footnotes:
(1) Purchasing long lead material.

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

| | |
|---|--|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft | P-1 Line Item Number / Title: HAWK00 / RQ-4 Mods |
|---|--|

| | | |
|---|---|---|
| ID Code (A=Service Ready, B=Not Service Ready) : | Program Elements for Code B Items: | Other Related Program Elements: 0305220F |
|---|---|---|

| | |
|--------------------------------------|--------------------------------|
| Line Item MDAP/MAIS Code: 252 | Item MDAP/MAIS Code(s): |
|--------------------------------------|--------------------------------|

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO [#] | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|---|----------------|--------------|--------------|---------------|--------------------------|---------------|---------------|---------------|---------------|---------------|----------------|------------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 377.713 | 6.997 | 9.313 | 21.354 | - | 21.354 | 46.127 | 34.493 | 89.248 | 67.265 | 489.014 | 1,141.524 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (<i>\$ in Millions</i>) | 377.713 | 6.997 | 9.313 | 21.354 | - | 21.354 | 46.127 | 34.493 | 89.248 | 67.265 | 489.014 | 1,141.524 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 377.713 | 6.997 | 9.313 | 21.354 | - | 21.354 | 46.127 | 34.493 | 89.248 | 67.265 | 489.014 | 1,141.524 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial Spares (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Flyaway Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

The Global Hawk System provides high altitude, deep look, long-endurance intelligence, surveillance, and reconnaissance (ISR) capability that complements space and other airborne collectors during peacetime, crisis, and war-fighting scenarios. The aircraft is an autonomous, high altitude, long-endurance, unmanned aircraft system (UAS).

The RQ-4B is the successor to the RQ-4A, and is designed to employ 3,000 pounds of payload and enable multi-intelligence (multi-INT) collecting. The RQ-4B has three configurations: Block 20, Block 30, and Block 40. The Block 20 employs upgraded Synthetic Aperture Radar (SAR) and Electro-Optical/Infrared (EO/IR) sensors - Enhanced Integrated Sensor Suite (EISS) - in an IMINT-only configuration. As of today, 4 Block 20s have been converted to Battlefield Airborne Communications Node (BACN) of which 3 remain active. The Block 30 employs the same EISS sensors as the Block 20, and integrates a wide spectrum signals intelligence (SIGINT) sensor, the Airborne Signals Intelligence Payload (ASIP). EISS and ASIP are used simultaneously to create a multi-INT platform. The Block 40 integrates the Multi-Platform Radar Technology Insertion Program (MP-RTIP) radar. The ground segment includes the Mission Control Element (MCE) and the Launch and Recovery Element (LRE). The support segment includes aerospace ground equipment, tech orders, spares, support equipment, and training to enable operation of the Global Hawk System. To protect production schedules from Diminishing Manufacturing Sources (DMS) and material shortages issues, the program will perform schedule protection buys when appropriate.

The Global Hawk program will incorporate applicable synergies with other platforms, including the U.S. Navy Triton, and other remotely piloted aircraft (RPA) weapon systems.

The Global Hawk system will be continually modified to maintain pace with evolving threats and increasing capabilities included in modernization efforts. These planned modifications include aircraft, ground station/communications and other retrofits to incorporate new capabilities such as EISS focus image enhancement, SAR complex imagery, Airborne Data Computer/JPEG 2000, Joint Mission Planning System (JMPS), adverse weather capabilities (weather radar, engine performance, engine inlet icing solutions), INMARSAT/COMSEC, Mode 5/Automatic Dependent Surveillance-Broadcast (ADS-B), reliability and maintainability efforts, next generation communications and Next Generation Sensor.

For FY 2015, Mod 470001 includes the INMARSAT retrofit, small mods, and implementation of change requests correcting deficiencies, improving reliability and maintainability, and fielding other mission critical capabilities such as weather radar, enhanced engine performance, engine inlet icing solution. The FY15 PB funds the entire Global Hawk fleet in support of the full planned lifecycle.

Footnotes:

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
HAWK00 / RQ-4 Mods

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** **Other Related Program Elements:** 0305220F

Line Item MDAP/MAIS Code: 252 **Item MDAP/MAIS Code(s):**

Not all equipment purchases install in the same year. Aircraft modification components have on average 12 month lead times between equipment purchases and installation.

| Exhibits Schedule | | ID CD | Prior Years | | | FY 2013 | | | FY 2014 | | | FY 2015 Base | | | FY 2015 OCO | | | FY 2015 Total | | |
|---------------------------------------|----------|----------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|
| Title* | Exhibits | | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 1 / GH Ground Station Mods | P-40a*** | | - | - | 15.023 | - | - | - | - | - | 0.500 | - | - | - | - | - | - | - | - | - |
| P-3a - 470001 / GH Aircraft Mods | P-3a | | - | - | 362.690 | - | - | 6.997 | - | - | 8.813 | - | - | 21.354 | - | - | - | - | - | 21.354 |
| Total Gross/Weapon System Cost | | | - | - | 377.713 | - | - | 6.997 | - | - | 9.313 | - | - | 21.354 | - | - | - | - | - | 21.354 |

| Exhibits Schedule | | ID CD | FY 2016 | | | FY 2017 | | | FY 2018 | | | FY 2019 | | | To Complete | | | Total | | |
|---------------------------------------|----------|----------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|
| Title* | Exhibits | | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 1 / GH Ground Station Mods | P-40a*** | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 15.523 |
| P-3a - 470001 / GH Aircraft Mods | P-3a | | - | - | 46.127 | - | - | 34.493 | - | - | 89.248 | - | - | 67.265 | - | - | 489.014 | - | - | 1,126.001 |
| Total Gross/Weapon System Cost | | | - | - | 46.127 | - | - | 34.493 | - | - | 89.248 | - | - | 67.265 | - | - | 489.014 | - | - | 1,141.524 |

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

*For Items, Title represents the Item Number / Title [DODIC]. For the P-3a, Title represents the Modification Number / Title.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

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|---|--|--|--|--|--|--|-------------------------|--|--|--|--|--|
| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | Date: March 2014 | | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | | P-1 Line Item Number / Title: HAWK00 / RQ-4 Mods | | | | Modification Number / Title: 470001 / GH Aircraft Mods | | | | |

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|---|--------------------|----------------|----------------|---------------------|---------------------|----------------------|----------------|----------------|----------------|----------------|--------------------|------------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 362.690 | 6.997 | 8.813 | 21.354 | - | 21.354 | 46.127 | 34.493 | 89.248 | 67.265 | 489.014 | 1,126.001 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (<i>\$ in Millions</i>) | 362.690 | 6.997 | 8.813 | 21.354 | - | 21.354 | 46.127 | 34.493 | 89.248 | 67.265 | 489.014 | 1,126.001 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 362.690 | 6.997 | 8.813 | 21.354 | - | 21.354 | 46.127 | 34.493 | 89.248 | 67.265 | 489.014 | 1,126.001 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial Spares (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

This effort includes the INMARSAT, change requests, and small mods for all operational block configurations. The Global Hawk System provides high altitude, deep look, long-endurance intelligence, surveillance, and reconnaissance (ISR) capability that complements space and other airborne collectors during peacetime, crisis, and war-fighting scenarios. The aircraft is an autonomous, high altitude, long-endurance, unmanned aircraft system (UAS). The Global Hawk program will incorporate applicable synergies with other platforms, including the U.S. Navy's Triton, and other remotely piloted aircraft (RPA) weapon systems. The Global Hawk system will be continually modified to maintain pace with evolving threats and increasing capabilities included in modernization efforts. These planned modifications include aircraft, ground station/communications, and other retrofits to incorporate new capabilities such as Enhanced Integrated Sensor Suite (EISS) focus image enhancement, Synthetic Aperture Radar (SAR) complex imagery, Airborne Data Computer/JPEG 2000, Joint Mission Planning System (JMPS), adverse weather capabilities (weather radar, engine performance, engine inlet icing solutions), INMARSAT/COMSEC, Mode 5/Automatic Dependent Surveillance-Broadcast (ADS-B), reliability and maintainability efforts, next generation communications and Next Generation sensor for the entire Global Hawk fleet. Air Vehicle modifications are written to the Line Replaceable Unit (LRU) level, not the overarching Total Aircraft Breakdown. B Kit quantities will exceed A Kit quantities because not every B-Kit requires an A-Kit for installation. Many of the B-Kits are Circuit Card Assemblies (CCA) that are form fit and function to current model.

Milestone/Development Status

The Block 30 program was proposed for divestiture in the FY13 PB which delayed planned modernization activities until resolution of the divestiture decision. The FY14 PB reflected a continuation of the proposed Block 30 program divestiture. The FY15 PB funds the entire Global Hawk fleet in support of the full planned lifecycle.

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | | | | Date: March 2014 | | | |
|---|--------------------------------|--------------------------------|--------------------------------|--|--|--------------------------------|--------------------------------|--|--------------------------------|--|--------------------------------|--------------------------------|--|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | | | P-1 Line Item Number / Title: HAWK00 / RQ-4 Mods | | | | | Modification Number / Title: 470001 / GH Aircraft Mods | | | |
| Models of Systems Affected: RQ-4 | | | | Modification Type: Capability Improvement | | | | Related RDT&E PEs: 0305220F | | | | | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total | |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | |
| Procurement | | | | | | | | | | | | | |
| <i>Modification Item 1 of 1: Global Hawk Air Craft Mods</i> | | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| Global Hawk Air Craft Mods:INSTALL KITS Group A (Active) | 38 / 1.742 | 4 / 0.490 | 8 / 0.688 | 33 / 2.135 | - / - | 33 / 2.135 | 40 / 4.613 | 23 / 3.449 | 39 / 7.115 | 45 / 5.038 | 156 / 40.288 | 386 / 65.558 | |
| <i>Subtotal: Recurring</i> | - / 1.742 | - / 0.490 | - / 0.688 | - / 2.135 | - / - | - / 2.135 | - / 4.613 | - / 3.449 | - / 7.115 | - / 5.038 | - / 40.288 | - / 65.558 | |
| B Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| Global Hawk Air Craft Mods:EQUIPMENT Group B (Active) | 38 / 342.797 | 4 / 5.257 | 8 / 4.279 | 33 / 13.650 | - / - | 33 / 13.650 | 40 / 17.035 | 23 / 9.717 | 39 / 57.284 | 45 / 42.146 | 156 / 292.988 | 386 / 785.153 | |
| <i>Subtotal: Recurring</i> | - / 342.797 | - / 5.257 | - / 4.279 | - / 13.650 | - / - | - / 13.650 | - / 17.035 | - / 9.717 | - / 57.284 | - / 42.146 | - / 292.988 | - / 785.153 | |
| <i>Subtotal: Global Hawk Air Craft Mods</i> | - / 344.539 | - / 5.747 | - / 4.967 | - / 15.785 | - / - | - / 15.785 | - / 21.648 | - / 13.166 | - / 64.399 | - / 47.184 | - / 333.276 | - / 850.711 | |
| <i>Subtotal: Procurement, All Modification Items</i> | - / 344.539 | - / 5.747 | - / 4.967 | - / 15.785 | - / - | - / 15.785 | - / 21.648 | - / 13.166 | - / 64.399 | - / 47.184 | - / 333.276 | - / 850.711 | |
| Support (All Modification Items) | | | | | | | | | | | | | |
| Change Orders | - / - | - / - | - / - | - / - | - / - | - / - | - / 17.199 | - / 17.200 | - / 6.400 | - / 6.399 | - / 53.063 | - / 80.261 | |
| Small Mods | - / - | - / - | - / - | - / 12.000 | - / - | - / 12.000 | - / 12.000 | - / 2.000 | - / 2.000 | - / 2.000 | - / 22.000 | - / 32.000 | |
| Mod of Spares | - / - | 3 / 0.125 | 6 / 0.750 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 9 / 0.875 | |
| OTHER GOVT | - / 1.500 | - / - | - / 1.500 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 3.000 | |
| <i>Subtotal: Support</i> | - / 1.500 | 3 / 0.125 | 6 / 2.250 | - / 12.000 | - / - | - / 12.000 | - / 19.199 | - / 19.200 | - / 8.400 | - / 8.399 | - / 75.063 | 9 / 116.136 | |
| Installation | | | | | | | | | | | | | |
| <i>Modification Item 1 of 1: Global Hawk Air Craft Mods</i> | 30 / 16.651 | 4 / 1.125 | 8 / 1.596 | 33 / 3.569 | - / - | 33 / 3.569 | 43 / 15.280 | 25 / 12.127 | 26 / 16.449 | 45 / 11.682 | 172 / 80.675 | 386 / 159.154 | |
| <i>Subtotal: Installation</i> | 30 / 16.651 | 4 / 1.125 | 8 / 1.596 | 33 / 3.569 | - / - | 33 / 3.569 | 43 / 15.280 | 25 / 12.127 | 26 / 16.449 | 45 / 11.682 | 172 / 80.675 | 386 / 159.154 | |
| Total | | | | | | | | | | | | | |
| Total Cost (Procurement + Support + Installation) | 362.690 | 6.997 | 8.813 | 21.354 | - | 21.354 | 46.127 | 34.493 | 89.248 | 67.265 | 489.014 | 1,126.001 | |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: HAWK00 / RQ-4 Mods | Modification Number / Title: 470001 / GH Aircraft Mods |

Modification Item 1 of 1: Global Hawk Air Craft Mods

Modification Item MDAP/MAIS Code:

Manufacturer Information

| | |
|--|---|
| Manufacturer Name: Contractor | Manufacturer Location: Palmdale, California |
| Administrative Leadtime (in Months): 6 | Production Leadtime (in Months): 5 |

| Dates | FY 2013 | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|----------------|----------|----------|----------|----------|----------|----------|----------|
| Contract Dates | Apr 2013 | Apr 2014 | Apr 2015 | Apr 2016 | Apr 2017 | Apr 2018 | Apr 2019 |
| Delivery Dates | Sep 2013 | Sep 2014 | Sep 2015 | Sep 2016 | Sep 2017 | Sep 2018 | Sep 2019 |

Installation Information

Method of Implementation: Contract Field Team

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | 30 / 16.651 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 30 / 16.651 |
| FY 2013 | - / - | 4 / 1.125 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 4 / 1.125 |
| FY 2014 | - / - | - / - | 8 / 1.596 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 8 / 1.596 |
| FY 2015 | - / - | - / - | - / - | 33 / 3.569 | - / - | 33 / 3.569 | - / - | - / - | - / - | - / - | - / - | 33 / 3.569 |
| FY 2016 | - / - | - / - | - / - | - / - | - / - | - / - | 43 / 15.280 | - / - | - / - | - / - | - / - | 43 / 15.280 |
| FY 2017 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 25 / 12.127 | - / - | - / - | - / - | 25 / 12.127 |
| FY 2018 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 26 / 16.449 | 16 / 7.148 | - / - | 42 / 23.597 |
| FY 2019 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 29 / 4.534 | - / - | 29 / 4.534 |
| To Complete | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 172 / 80.675 | 172 / 80.675 |
| Total | 30 / 16.651 | 4 / 1.125 | 8 / 1.596 | 33 / 3.569 | - / - | 33 / 3.569 | 43 / 15.280 | 25 / 12.127 | 26 / 16.449 | 45 / 11.682 | 172 / 80.675 | 386 / 159.154 |

Installation Schedule

| | PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | | FY 2016 | | | | FY 2017 | | | | FY 2018 | | | | FY 2019 | | | | TC | Tot |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|-----|-----|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | |
| In | 30 | - | - | - | 4 | - | - | - | 8 | - | - | - | 33 | - | - | - | 43 | - | - | - | 25 | - | - | - | 26 | - | - | - | 45 | 172 | 386 |
| Out | 21 | - | 9 | - | - | - | 4 | - | - | - | 8 | - | - | - | 33 | - | - | - | 43 | - | - | - | 25 | - | - | - | - | 26 | - | 217 | 386 |

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
HCMC00 / HC/MC-130 Modifications

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0207224F **Other Related Program Elements:** 0207224F, 0401134F

Line Item MDAP/MAIS Code: 257 **Item MDAP/MAIS Code(s):**

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO [#] | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|---|--------------|---------------|---------------|--------------|--------------------------|---------------|---------------|--------------|--------------|--------------|-------------|---------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 4.322 | 26.997 | 16.300 | 1.902 | - | 1.902 | 23.374 | 6.010 | 4.102 | 4.178 | - | 87.185 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (<i>\$ in Millions</i>) | 4.322 | 26.997 | 16.300 | 1.902 | - | 1.902 | 23.374 | 6.010 | 4.102 | 4.178 | - | 87.185 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 4.322 | 26.997 | 16.300 | 1.902 | - | 1.902 | 23.374 | 6.010 | 4.102 | 4.178 | - | 87.185 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial Spares (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Flyaway Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

HC/MC-130 Recapitalization will replace and augment the aging USAF fleets of combat rescue HC-130P/N and special operations MC-130E/P aircraft which are experiencing airworthiness, maintainability and operational limitations. This program provides a common baseline configuration aircraft.

The modifications budgeted in FY15 will improve the reliability, maintainability, safety, and mission performance, reduce logistics costs, and implement fleet upgrades and enhancements to meet emerging requirements for the HC/MC-130J aircraft and associated training systems.

Funding for this exhibit is contained in PE 0207224F (HC-130J) and PE 0207230F (MC-130J).

| Exhibits Schedule | | Prior Years | | | FY 2013 | | | FY 2014 | | | FY 2015 Base | | | FY 2015 OCO | | | FY 2015 Total | | | |
|---|----------|-------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|
| Title* | Exhibits | ID CD | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 1 / MC-130J Increment 2 | P-40a*** | | - | - | - | - | - | - | - | - | 8.000 | - | - | - | - | - | - | - | - | - |
| Item - 2 / HC-130J Common Configuration | P-40a*** | | - | - | - | - | - | 20.374 | - | - | 8.300 | - | - | - | - | - | - | - | - | - |
| Item - 3 / HC-130J Personnel Locator System | P-40a*** | | - | - | - | - | - | 4.700 | - | - | - | - | - | - | - | - | - | - | - | - |

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
HCMC00 / HC/MC-130 Modifications

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0207224F **Other Related Program Elements:** 0207224F, 0401134F

Line Item MDAP/MAIS Code: 257 **Item MDAP/MAIS Code(s):**

| Exhibits Schedule | | ID CD | Prior Years | | | FY 2013 | | | FY 2014 | | | FY 2015 Base | | | FY 2015 OCO | | | FY 2015 Total | | |
|---------------------------------------|----------|----------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|
| Title* | Exhibits | | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 4 / LOW COST MODIFICATIONS | P-40a*** | | - | - | 4.322 | - | - | 1.923 | - | - | - | - | - | 1.902 | - | - | - | - | - | 1.902 |
| Total Gross/Weapon System Cost | | | - | - | 4.322 | - | - | 26.997 | - | - | 16.300 | - | - | 1.902 | - | - | - | - | - | 1.902 |

| Exhibits Schedule | | ID CD | FY 2016 | | | FY 2017 | | | FY 2018 | | | FY 2019 | | | To Complete | | | Total | | |
|---|----------|----------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|
| Title* | Exhibits | | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 1 / MC-130J Increment 2 | P-40a*** | | - | - | 10.906 | - | - | 1.984 | - | - | - | - | - | - | - | - | - | - | - | 20.890 |
| Item - 2 / HC-130J Common Configuration | P-40a*** | | - | - | 10.508 | - | - | 2.039 | - | - | 2.109 | - | - | 2.180 | - | - | - | - | - | 45.510 |
| Item - 3 / HC-130J Personnel Locator System | P-40a*** | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.700 |
| Item - 4 / LOW COST MODIFICATIONS | P-40a*** | | - | - | 1.960 | - | - | 1.987 | - | - | 1.993 | - | - | 1.998 | - | - | - | - | - | 16.085 |
| Total Gross/Weapon System Cost | | | - | - | 23.374 | - | - | 6.010 | - | - | 4.102 | - | - | 4.178 | - | - | - | - | - | 87.185 |

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

*For Items, Title represents the Item Number / Title [DODIC].

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

| | |
|---|---|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft | P-1 Line Item Number / Title: OTHACF / Other Aircraft |
|---|---|

| | | |
|---|--|---|
| ID Code (A=Service Ready, B=Not Service Ready) : | Program Elements for Code B Items: 0207701F, 0303601F, 0401897F | Other Related Program Elements: 0207161F, 0207249F, 0207448F, 0207701F, 0303601F, 0401897F, 0604281F, 0702207F |
|---|--|---|

| | |
|--------------------------------------|--------------------------------|
| Line Item MDAP/MAIS Code: 199 | Item MDAP/MAIS Code(s): |
|--------------------------------------|--------------------------------|

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|---|----------------|---------------|--------------|---------------|--------------|---------------|---------------|---------------|---------------|---------------|-------------|----------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 180.260 | 18.807 | 6.948 | 32.106 | - | 32.106 | 37.667 | 21.180 | 30.091 | 10.302 | - | 337.361 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (<i>\$ in Millions</i>) | 180.260 | 18.807 | 6.948 | 32.106 | - | 32.106 | 37.667 | 21.180 | 30.091 | 10.302 | - | 337.361 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 180.260 | 18.807 | 6.948 | 32.106 | - | 32.106 | 37.667 | 21.180 | 30.091 | 10.302 | - | 337.361 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial Spares (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Flyaway Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

This line item funds multiple modifications that apply to weapon systems funded at less than \$2 million per year as well as weapon systems with much greater budgets. The overall goal of the modifications budgeted is to enhance capability and improve reliability and maintainability. A major modification budgeted in FY15 is The Family of Advanced Beyond Line-of-Sight Terminals (FAB-T) program that will provide Extremely High Frequency (EHF) voice and data military satellite communications (MILSATCOM) for nuclear and conventional forces as well as airborne and ground command posts with connectivity to MILSTAR and Advanced EHF satellites.

Funding in FY15 will continue program office support and FAB-T production activities including low rate initial production. Other modifications budgeted and programmed are listed below.

| Secondary Distribution | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|------------------------|----------------------------|---------|--------------|-------------|---------------|---------|---------|---------|---------|
| AF | Quantity | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 15.382 | 6.948 | 32.106 | - | 32.106 | 37.667 | 21.180 | 30.091 |
| AFNG | Quantity | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 3.425 | - | - | - | - | - | - | - |
| AFR | Quantity | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | - | - | - | - | - | - | - | - |

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
OTHACF / Other Aircraft

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0207701F, 0303601F, 0401897F **Other Related Program Elements:** 0207161F, 0207249F, 0207448F, 0207701F, 0303601F, 0401897F, 0604281F, 0702207F

Line Item MDAP/MAIS Code: 199 **Item MDAP/MAIS Code(s):**

| Secondary Distribution | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|-------------------------------|-----------------------------------|---------|---------|--------------|-------------|---------------|---------|---------|---------|---------|
| Total: | Quantity | - | - | - | - | - | - | - | - | - |
| Secondary Distribution | Total Obligation Authority | 18.807 | 6.948 | 32.106 | - | 32.106 | 37.667 | 21.180 | 30.091 | 10.302 |

| Exhibits Schedule | | ID CD | Prior Years | | | FY 2013 | | | FY 2014 | | | FY 2015 Base | | | FY 2015 OCO | | | FY 2015 Total | | |
|---|----------|-------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|
| Title* | Exhibits | | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 1 / C2ISR TDL | P-40a*** | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Item - 2 / Full Combat Mission Training | P-40a*** | | - | - | 55.069 | - | - | 1.563 | - | - | 0.918 | - | - | 2.751 | - | - | - | - | - | 2.751 |
| Item - 3 / MAF Training | P-40a*** | | - | - | 21.546 | - | - | - | - | - | - | - | - | 1.837 | - | - | - | - | - | 1.837 |
| Item - 4 / ATP upgrade Legacy to SE | P-40a*** | | - | - | 15.800 | - | - | 0.909 | - | - | 0.682 | - | - | 1.092 | - | - | - | - | - | 1.092 |
| Item - 5 / JOINT TACTICAL RADIO SYSTEM | P-40a*** | | - | - | 71.722 | - | - | 11.624 | - | - | 3.290 | - | - | 4.502 | - | - | - | - | - | 4.502 |
| Item - 6 / MISCELLANEOUS LOW COSTS MODS (OTHER) | P-40a*** | | - | - | 1.844 | - | - | 0.137 | - | - | 0.138 | - | - | 0.140 | - | - | - | - | - | 0.140 |
| P-3a - 4501 / EHF SATCOM | P-3a | | - | - | 14.279 | - | - | 4.574 | - | - | 1.920 | - | - | 21.784 | - | - | - | - | - | 21.784 |
| Total Gross/Weapon System Cost | | | - | - | 180.260 | - | - | 18.807 | - | - | 6.948 | - | - | 32.106 | - | - | - | - | - | 32.106 |

| Exhibits Schedule | | ID CD | FY 2016 | | | FY 2017 | | | FY 2018 | | | FY 2019 | | | To Complete | | | Total | | |
|---|----------|-------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|
| Title* | Exhibits | | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 1 / C2ISR TDL | P-40a*** | | - | - | 2.266 | - | - | 1.339 | - | - | 1.245 | - | - | 1.252 | - | - | - | - | - | 6.102 |
| Item - 2 / Full Combat Mission Training | P-40a*** | | - | - | 2.481 | - | - | 1.904 | - | - | 1.941 | - | - | 1.977 | - | - | - | - | - | 68.604 |
| Item - 3 / MAF Training | P-40a*** | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 23.383 |
| Item - 4 / ATP upgrade Legacy to SE | P-40a*** | | - | - | 1.042 | - | - | 0.923 | - | - | 0.940 | - | - | 0.958 | - | - | - | - | - | 22.346 |
| Item - 5 / JOINT TACTICAL RADIO SYSTEM | P-40a*** | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 91.138 |
| Item - 6 / MISCELLANEOUS LOW COSTS MODS (OTHER) | P-40a*** | | - | - | 0.143 | - | - | 0.146 | - | - | 0.149 | - | - | 0.152 | - | - | - | - | - | 2.849 |
| P-3a - 4501 / EHF SATCOM | P-3a | | - | - | 31.735 | - | - | 16.868 | - | - | 25.816 | - | - | 5.963 | - | - | - | - | - | 122.939 |
| Total Gross/Weapon System Cost | | | - | - | 37.667 | - | - | 21.180 | - | - | 30.091 | - | - | 10.302 | - | - | - | - | - | 337.361 |

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| Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft | | P-1 Line Item Number / Title: OTHACF / Other Aircraft |
| ID Code (A=Service Ready, B=Not Service Ready) : | Program Elements for Code B Items: 0207701F, 0303601F, 0401897F | Other Related Program Elements: 0207161F, 0207249F, 0207448F, 0207701F, 0303601F, 0401897F, 0604281F, 0702207F |
| Line Item MDAP/MAIS Code: 199 | Item MDAP/MAIS Code(s): | |
| *** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here. | | |
| *For Items, Title represents the Item Number / Title [DODIC]. For the P-3a, Title represents the Modification Number / Title. | | |
| Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding. | | |

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | Date: March 2014 |
|---|-------------------------|

| | | |
|---|---|--|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: OTHACF / Other Aircraft | Modification Number / Title: 4501 / EHF SATCOM |
|---|---|--|

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|---|---------------|--------------|--------------|---------------|--------------|---------------|---------------|---------------|---------------|--------------|-------------|----------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 14.279 | 4.574 | 1.920 | 21.784 | - | 21.784 | 31.735 | 16.868 | 25.816 | 5.963 | - | 122.939 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (<i>\$ in Millions</i>) | 14.279 | 4.574 | 1.920 | 21.784 | - | 21.784 | 31.735 | 16.868 | 25.816 | 5.963 | - | 122.939 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 14.279 | 4.574 | 1.920 | 21.784 | - | 21.784 | 31.735 | 16.868 | 25.816 | 5.963 | - | 122.939 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|---|--------|---|---|-------|---|-------|-------|-------|-------|-------|---|--------|
| Initial Spares (<i>\$ in Millions</i>) | 12.030 | - | - | 5.540 | - | 5.540 | 3.726 | 1.208 | 1.232 | 1.254 | - | 24.990 |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

The Family of Advanced Beyond Line-of-Sight Terminals (FAB-T) program replaces legacy Milstar terminals and will provide Extremely High Frequency (EHF), protected high data rate communication for nuclear and conventional forces to include Presidential National Voice Conferencing (PNVC). FAB-T will provide this new, highly secure, state-of-the-art capability for DoD platforms to include strategic and tactical airborne and ground command posts via Milstar, AEHF, and Enhanced Polar System (EPS) satellites. FAB-T terminals will also support the critical command and control (C2) of the Milstar, AEHF, and EPS satellite constellations. Funding in FY15 will continue program office support and production activities including low rate initial production. In FY15, funding was also added to procure FAB-T terminals for Presidential and Senior Leader aircraft. Quantities, unit cost, and to complete estimates are not available due to ongoing source selection activities. Information will be available after the downselect decision scheduled for 2QFY14 and completion of the OSD Cost Assessment and Program Evaluation (CAPE) Independent Cost Estimate (ICE).

Milestone/Development Status

Funding in FY15 will continue program office support and FAB-T production activities including low rate initial production.

| Secondary Distribution | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|--------------------------------------|----------------------------|--------------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|
| AF | Quantity | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 4.574 | 1.920 | 21.784 | - | 21.784 | 31.735 | 16.868 | 25.816 |
| Total: Secondary Distribution | Quantity | - | - | - | - | - | - | - | - |
| | Total Obligation Authority | 4.574 | 1.920 | 21.784 | - | 21.784 | 31.735 | 16.868 | 25.816 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | | | | Date: March 2014 | | | |
|---|--------------------------------|--------------------------------|--------------------------------|--|---|--------------------------------|--------------------------------|--|--------------------------------|--|--------------------------------|--------------------------------|--|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | | | P-1 Line Item Number / Title: OTHACF / Other Aircraft | | | | | Modification Number / Title: 4501 / EHF SATCOM | | | |
| Models of Systems Affected: MULTI | | | | Modification Type: Capability Improvement | | | | Related RDT&E PEs: 0303601F | | | | | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total | |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | |
| RDT&E PE # | | | | | | | | | | | | | |
| 0303601F | - / 740.865 | - / 88.925 | - / 140.170 | - / 55.897 | - / - | - / 55.897 | - / 3.979 | - / - | - / - | - / - | - / - | - / 1,029.836 | |
| Procurement | | | | | | | | | | | | | |
| <i>Modification Item 1 of 1: FAB-T</i> | | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| FAB-T:INSTALL KITS Group A (Active) | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | |
| <i>Subtotal: Recurring</i> | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | |
| <i>Subtotal: FAB-T</i> | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | |
| <i>Subtotal: Procurement, All Modification Items</i> | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | |
| Support (All Modification Items) | | | | | | | | | | | | | |
| GROUP B: TOTAL NONRECURRING | - / 3.791 | - / 4.574 | - / 1.920 | - / 21.784 | - / - | - / 21.784 | - / 31.735 | - / 16.868 | - / 25.816 | - / 5.963 | - / - | - / 112.451 | |
| Make New Selection | - / 10.488 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 10.488 | |
| <i>Subtotal: Support</i> | - / 14.279 | - / 4.574 | - / 1.920 | - / 21.784 | - / - | - / 21.784 | - / 31.735 | - / 16.868 | - / 25.816 | - / 5.963 | - / - | - / 122.939 | |
| Installation | | | | | | | | | | | | | |
| <i>Subtotal: Installation</i> | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | |
| Total | | | | | | | | | | | | | |
| Total Cost (Procurement + Support + Installation) | 14.279 | 4.574 | 1.920 | 21.784 | - | 21.784 | 31.735 | 16.868 | 25.816 | 5.963 | - | 122.939 | |

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Exhibit P-3a, Individual Modification: PB 2015 Air Force **Date:** March 2014

| | | |
|---|---|--|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: OTHACF / Other Aircraft | Modification Number / Title: 4501 / EHF SATCOM |
|---|---|--|

| | | |
|------------------------------------|--|--|
| Models of Systems Affected: | Modification Type: Capability Improvement | Related RDT&E PEs: 0303601F |
|------------------------------------|--|--|

| Secondary Distribution | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|--|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Support | | | | | | | | | |
| AF | - / 4.574 | - / 1.920 | - / 21.784 | - / - | - / 21.784 | - / 31.735 | - / 16.868 | - / 25.816 | - / 5.963 |
| <i>Subtotal: Support</i> | - / 4.574 | - / 1.920 | - / 21.784 | - / - | - / 21.784 | - / 31.735 | - / 16.868 | - / 25.816 | - / 5.963 |
| Total | | | | | | | | | |
| Total: Secondary Distribution, All Modification Items | - / 4.574 | - / 1.920 | - / 21.784 | - / - | - / 21.784 | - / 31.735 | - / 16.868 | - / 25.816 | - / 5.963 |

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|---|----------------|----------------|---|---|----------------|--|----------------|
| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | Date: March 2014 | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | P-1 Line Item Number / Title: OTHACF / Other Aircraft | | | Modification Number / Title: 4501 / EHF SATCOM | |
| Modification Item 1 of 1: FAB-T | | | | | | | |
| Modification Item MDAP/MAIS Code: | | | | | | | |
| Manufacturer Information | | | | | | | |
| Manufacturer Name: TBD | | | | Manufacturer Location: TBD | | | |
| Administrative Leadtime (<i>in Months</i>): 0 | | | | Production Leadtime (<i>in Months</i>): 0 | | | |
| Dates | FY 2013 | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
| Contract Dates | | | | | | | |
| Delivery Dates | | | | | | | |
| Installation Information | | | | | | | |
| Method of Implementation (Organic): Org/Intermediate | | | | | | Installation Quantity: 0 | |
| | | | | | | | |

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
PRDT01 / MQ-1 Mods

| ID Code (A=Service Ready, B=Not Service Ready) : | | | Program Elements for Code B Items: | | | | | Other Related Program Elements: 0305219F | | | | |
|--|----------------|---------------|------------------------------------|--------------|--------------|---------------|--------------|--|----------|----------|-------------|----------------|
| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
| Procurement Quantity (Units in Each) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (\$ in Millions) | 279.820 | 27.835 | 7.926 | 4.755 | - | 4.755 | 3.173 | - | - | - | - | 323.509 |
| Less PY Advance Procurement (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (\$ in Millions) | 279.820 | 27.835 | 7.926 | 4.755 | - | 4.755 | 3.173 | - | - | - | - | 323.509 |
| Plus CY Advance Procurement (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (\$ in Millions) | 279.820 | 27.835 | 7.926 | 4.755 | - | 4.755 | 3.173 | - | - | - | - | 323.509 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial Spares (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Flyaway Unit Cost (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

Predator is an autonomous, long-dwell, unmanned reconnaissance system capable of operating over the horizon while providing real-time intelligence information to the Joint Task Force Commander. The air vehicle carries electro-optical (EO) and Infra-Red (IR) sensors, and is capable of transmitting near real-time full motion video to the task force commander and throughout the operational theater.

This program has associated Research, Development, Test and Evaluation funding in PE 0305219F.

Funding for this exhibit contained in PE 0305219F.

| Exhibits Schedule | | ID CD | Prior Years | | | FY 2013 | | | FY 2014 | | | FY 2015 Base | | | FY 2015 OCO | | | FY 2015 Total | | |
|---------------------------------------|----------|-------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|
| Title* | Exhibits | | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 1 / VORTEX | P-40a*** | | - | - | 28.210 | - | - | 7.925 | - | - | 0.302 | - | - | - | - | - | - | - | - | - |
| Item - 2 / IP Migration | P-40a*** | | - | - | 93.216 | - | - | - | - | - | 3.352 | - | - | - | - | - | - | - | - | - |
| Item - 3 / LOW COST MODIFICATIONS | P-40a*** | | - | - | 1.167 | - | - | - | - | - | - | - | - | 2.000 | - | - | - | - | - | 2.000 |
| Item - 4 / PREDATOR A/B MODIFICATIONS | P-40a*** | | - | - | 157.227 | - | - | 19.910 | - | - | 4.272 | - | - | 2.755 | - | - | - | - | - | 2.755 |
| Total Gross/Weapon System Cost | | | - | - | 279.820 | - | - | 27.835 | - | - | 7.926 | - | - | 4.755 | - | - | - | - | - | 4.755 |

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

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| Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft | | P-1 Line Item Number / Title: PRDT01 / MQ-1 Mods |
| ID Code (A=Service Ready, B=Not Service Ready) : | Program Elements for Code B Items: | Other Related Program Elements: 0305219F |
| *For Items, Title represents the Item Number / Title [DODIC]. | | |
| Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding. | | |

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

| | |
|---|--|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft | P-1 Line Item Number / Title: PRDTB2 / MQ-9 Mods |
|---|--|

| | | |
|--|---|--|
| ID Code (A=Service Ready, B=Not Service Ready) : | Program Elements for Code B Items: 0205219F | Other Related Program Elements: 0205219F |
|--|---|--|

| | |
|-------------------------------|-------------------------|
| Line Item MDAP/MAIS Code: 424 | Item MDAP/MAIS Code(s): |
|-------------------------------|-------------------------|

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO [#] | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|---|----------------|----------------|---------------|----------------|--------------------------|----------------|----------------|----------------|----------------|----------------|------------------|------------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 300.370 | 177.471 | 62.970 | 155.445 | - | 155.445 | 115.632 | 210.099 | 164.319 | 144.606 | 1,080.805 | 2,411.717 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (<i>\$ in Millions</i>) | 300.370 | 177.471 | 62.970 | 155.445 | - | 155.445 | 115.632 | 210.099 | 164.319 | 144.606 | 1,080.805 | 2,411.717 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 300.370 | 177.471 | 62.970 | 155.445 | - | 155.445 | 115.632 | 210.099 | 164.319 | 144.606 | 1,080.805 | 2,411.717 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial Spares (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Flyaway Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

The MQ-9 Reaper system is designed primarily to prosecute critical emerging Time Sensitive Targets (TSTs) as a radar-based attack asset with organic hard-kill capability (hunter-killer) and also perform Intelligence, Surveillance, Reconnaissance and Target Acquisition (ISR TA) as a secondary role. In the hunter-killer role, the aircraft will employ multi-spectral sensors to automatically find, fix, and track ground targets using Automatic Target Cueing (ATC) and assess post-strike results. The basic MQ-9 Reaper system consists of the aircraft, sensors, a ground control station (GCS), Squadron Operations Center (SOC), communications equipment, weapon kits, support equipment, simulator and training devices, Readiness Spares Packages (RSP), technical data/training, and personnel required to operate, maintain, and sustain the system. The aircraft is designed to be modular and open-ended. Mission-specific equipment is employed in a 'plug-and-play' mission kit concept allowing specific aircraft and control station configurations to be tailored to fit mission needs. The MQ-9 aircraft will continue to be modified to ensure aircraft are standardized with the latest configuration. Additionally, the MQ-9 system will continue to evolve and upgrade its capabilities to satisfy new requirements and address Reliability and Maintainability (R&M) and safety issues as they arise. Retrofit also includes aircraft (including sensors) and ground control station and ground support system retrofits to baseline configurations.

There are currently 143 MQ-9 aircraft in the inventory with an estimated designed service life of 20,000 hours.

Efforts in this modification summary and associated P3As have been broken out into several categories: GCS Blk 50, Block 5, Multi-Spectral Targeting System-B (MTS-B) High Definition (HD), Technology Insertion, Extended Range MQ-9, MQ-9 Low Cost Mods, MQ-9 Field, Lynx SAR, GCS Blk 30, Reliability and Maintainability (R&M) enhancements, GCS Tech Refresh and Communication Enhancements.

The program has been funded to latest cost estimate.

This program has associated Research, Development Test and Evaluation (RDT&E) AF funding in MQ-9 PE 25219F.

Funding for this exhibit contained in PE 0205219F.

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| Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force | | | | | | | | | | | | | | | Date: March 2014 | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft | | | | | | | | | | P-1 Line Item Number / Title: PRDTB2 / MQ-9 Mods | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|--|--|--|--|
| ID Code (A=Service Ready, B=Not Service Ready) : | | | | | Program Elements for Code B Items: 0205219F | | | | | | | | | | Other Related Program Elements: 0205219F | | | | |
|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|--|--|--|--|

| | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|--|--|--|--|--------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Line Item MDAP/MAIS Code: 424 | | | | | Item MDAP/MAIS Code(s): | | | | | | | | | | | | | | |
|--------------------------------------|--|--|--|--|--------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

| Exhibits Schedule | | ID CD | Prior Years | | | FY 2013 | | | FY 2014 | | | FY 2015 Base | | | FY 2015 OCO | | | FY 2015 Total | | |
|---------------------------------------|----------|----------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|
| Title* | Exhibits | | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 1 / GCS Blk 50 | P-40a*** | | - | - | 0.000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Item - 2 / GCS Blk 30 | P-40a*** | | - | - | 32.629 | - | - | 0.661 | - | - | - | - | - | 0.921 | - | - | - | - | - | 0.921 |
| Item - 3 / IP Migration | P-40a*** | | - | - | - | - | - | 31.470 | - | - | - | - | - | 2.137 | - | - | - | - | - | 2.137 |
| Item - 4 / Communication Enhancements | P-40a*** | | - | - | - | - | - | - | - | - | - | - | - | 0.895 | - | - | - | - | - | 0.895 |
| Item - 5 / Technology Insertion | P-40a*** | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Item - 6 / GCS Tech Refresh | P-40a*** | | - | - | 31.793 | - | - | - | - | - | - | - | - | 2.904 | - | - | - | - | - | 2.904 |
| Item - 7 / MQ-9 Low Cost Mods | P-40a*** | | - | - | 0.000 | - | - | 2.000 | - | - | 2.000 | - | - | 2.000 | - | - | - | - | - | 2.000 |
| P-3a - 9151 / Block 5 | P-3a | | - | - | 79.324 | - | - | - | - | - | - | - | - | 25.389 | - | - | - | - | - | 25.389 |
| P-3a - 9152 / MQ-9 Field | P-3a | | - | - | 116.923 | - | - | 56.620 | - | - | 44.086 | - | - | 17.236 | - | - | - | - | - | 17.236 |
| P-3a - 9153 / MTS-B HD | P-3a | | - | - | 21.757 | - | - | 8.542 | - | - | - | - | - | 7.587 | - | - | - | - | - | 7.587 |
| P-3a - 9154 / Lynx SAR | P-3a | | - | - | - | - | - | - | - | - | - | - | - | 30.016 | - | - | - | - | - | 30.016 |
| P-3a - 9159 / R&M enhancements | P-3a | | - | - | 17.944 | - | - | 7.824 | - | - | 0.021 | - | - | 6.488 | - | - | - | - | - | 6.488 |
| P-3a - 9164 / Extended Range MQ-9 | P-3a | | - | - | - | - | - | 70.354 | - | - | 16.863 | - | - | 59.872 | - | - | - | - | - | 59.872 |
| Total Gross/Weapon System Cost | | | - | - | 300.370 | - | - | 177.471 | - | - | 62.970 | - | - | 155.445 | - | - | - | - | - | 155.445 |

| Exhibits Schedule | | ID CD | FY 2016 | | | FY 2017 | | | FY 2018 | | | FY 2019 | | | To Complete | | | Total | | |
|---------------------------------------|----------|----------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|
| Title* | Exhibits | | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 1 / GCS Blk 50 | P-40a*** | | - | - | - | - | - | 48.798 | - | - | 53.209 | - | - | 49.985 | - | - | 252.902 | - | - | 404.894 |
| Item - 2 / GCS Blk 30 | P-40a*** | | - | - | 0.948 | - | - | 0.977 | - | - | 1.006 | - | - | - | - | - | - | - | - | 37.142 |
| Item - 3 / IP Migration | P-40a*** | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 33.607 |
| Item - 4 / Communication Enhancements | P-40a*** | | - | - | 0.932 | - | - | 0.153 | - | - | - | - | - | - | - | - | - | - | - | 1.980 |
| Item - 5 / Technology Insertion | P-40a*** | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 250.004 | - | - | 250.004 |
| Item - 6 / GCS Tech Refresh | P-40a*** | | - | - | 6.676 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 41.373 |
| Item - 7 / MQ-9 Low Cost Mods | P-40a*** | | - | - | 2.000 | - | - | 2.000 | - | - | 2.000 | - | - | 2.000 | - | - | 40.000 | - | - | 54.000 |
| P-3a - 9151 / Block 5 | P-3a | | - | - | - | - | - | 78.620 | - | - | 74.176 | - | - | 85.372 | - | - | 453.314 | - | - | 796.195 |
| P-3a - 9152 / MQ-9 Field | P-3a | | - | - | 9.076 | - | - | 5.663 | - | - | 0.460 | - | - | - | - | - | - | - | - | 250.064 |

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
PRDTB2 / MQ-9 Mods

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0205219F **Other Related Program Elements:** 0205219F

Line Item MDAP/MAIS Code: 424 **Item MDAP/MAIS Code(s):**

| Exhibits Schedule | | ID CD | FY 2016 | | | FY 2017 | | | FY 2018 | | | FY 2019 | | | To Complete | | | Total | | |
|---------------------------------------|----------|----------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|
| Title* | Exhibits | | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| P-3a - 9153 / MTS-B HD | P-3a | | - | - | 8.310 | - | - | 0.510 | - | - | - | - | - | - | - | - | - | - | - | 46.706 |
| P-3a - 9154 / Lynx SAR | P-3a | | - | - | 27.527 | - | - | 29.040 | - | - | 20.706 | - | - | - | - | - | 23.862 | - | - | 131.151 |
| P-3a - 9159 / R&M enhancements | P-3a | | - | - | 6.090 | - | - | 7.641 | - | - | 7.026 | - | - | 7.249 | - | - | 60.723 | - | - | 121.006 |
| P-3a - 9164 / Extended Range MQ-9 | P-3a | | - | - | 54.073 | - | - | 36.697 | - | - | 5.736 | - | - | - | - | - | - | - | - | 243.595 |
| Total Gross/Weapon System Cost | | | - | - | 115.632 | - | - | 210.099 | - | - | 164.319 | - | - | 144.606 | - | - | 1,080.805 | - | - | 2,411.717 |

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

*For Items, Title represents the Item Number / Title [DODIC]. For the P-3a, Title represents the Modification Number / Title.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

UNCLASSIFIED

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | Date: March 2014 |
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| | | |
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| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: PRDTB2 / MQ-9 Mods | Modification Number / Title: 9151 / Block 5 |
|---|--|---|

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|---|---------------|----------|----------|---------------|--------------|---------------|----------|---------------|---------------|---------------|----------------|----------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 79.324 | - | - | 25.389 | - | 25.389 | - | 78.620 | 74.176 | 85.372 | 453.314 | 796.195 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (<i>\$ in Millions</i>) | 79.324 | - | - | 25.389 | - | 25.389 | - | 78.620 | 74.176 | 85.372 | 453.314 | 796.195 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 79.324 | - | - | 25.389 | - | 25.389 | - | 78.620 | 74.176 | 85.372 | 453.314 | 796.195 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial Spares (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

This modification is a portion of the retrofit program that upgrades MQ-9 aircraft from the Block 1 configuration to the Block 5 configuration and occurs at the Depot. Upgrades that are part of this modification include, but are not limited to, installing High Capacity Starter/Generator, Predator Primary Data Link (PPDL), Forward Avionics Bay Redesign, Differential Global Positioning System (GPS), VORTEX Encrypted Datalink, and Mission Control Module/Payload Control Computer (MCM/PCC).

This program will revise quantities based on updated user requirements and as funding permits. The prior value is not associated with Block 5 Depot retrofits.

The prior total is all FY09 and prior MQ-9 retrofit activities that do not have active P3A documentation.

Milestone/Development Status

MQ-9 Block 5 Critical Design Review (CDR) completed Apr 11. Block 5 is in flight test with 904.6 software release. Developmental Test is scheduled Mar 14 through Jul 14.

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | | | | Date: March 2014 | | | |
|---|--------------------------------|--------------------------------|--------------------------------|--|--|--------------------------------|--------------------------------|--|--------------------------------|---|--------------------------------|--------------------------------|--|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | | | P-1 Line Item Number / Title: PRDTB2 / MQ-9 Mods | | | | | Modification Number / Title: 9151 / Block 5 | | | |
| Models of Systems Affected: MQ-9 | | | | Modification Type: Capability Improvement | | | | Related RDT&E PEs: 0205219F | | | | | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total | |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | |
| Procurement | | | | | | | | | | | | | |
| <i>Modification Item 1 of 1: Block 5</i> | | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| Block 5:INSTALL KITS Group A (Active) | - / - | - / - | - / - | 8 / 1.989 | - / - | 8 / 1.989 | - / - | 24 / 6.332 | 24 / 6.522 | 24 / 6.718 | 104 / 31.550 | 184 / 53.111 | |
| <i>Subtotal: Recurring</i> | - / - | - / - | - / - | - / 1.989 | - / - | - / 1.989 | - / - | - / 6.332 | - / 6.522 | - / 6.718 | - / 31.550 | - / 53.111 | |
| B Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| Block 5:EQUIPMENT Group B (Active) | - / - | - / - | - / - | 8 / 17.902 | - / - | 8 / 17.902 | - / - | 24 / 56.984 | 24 / 58.699 | 24 / 60.464 | 104 / 283.960 | 184 / 478.009 | |
| <i>Subtotal: Recurring</i> | - / - | - / - | - / - | - / 17.902 | - / - | - / 17.902 | - / - | - / 56.984 | - / 58.699 | - / 60.464 | - / 283.960 | - / 478.009 | |
| <i>Subtotal: Block 5</i> | - / - | - / - | - / - | - / 19.891 | - / - | - / 19.891 | - / - | - / 63.316 | - / 65.221 | - / 67.182 | - / 315.510 | - / 531.120 | |
| <i>Subtotal: Procurement, All Modification Items</i> | - / - | - / - | - / - | - / 19.891 | - / - | - / 19.891 | - / - | - / 63.316 | - / 65.221 | - / 67.182 | - / 315.510 | - / 531.120 | |
| Support (All Modification Items) | | | | | | | | | | | | | |
| Change Orders | - / 79.324 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 79.324 | |
| OTHER GOVT | - / - | - / - | - / - | - / 5.498 | - / - | - / 5.498 | - / - | - / 10.374 | - / 8.955 | - / 2.499 | - / 26.801 | - / 54.127 | |
| <i>Subtotal: Support</i> | - / 79.324 | - / - | - / - | - / 5.498 | - / - | - / 5.498 | - / - | - / 10.374 | - / 8.955 | - / 2.499 | - / 26.801 | - / 133.451 | |
| Installation | | | | | | | | | | | | | |
| <i>Modification Item 1 of 1: Block 5</i> | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 8 / 4.930 | - / - | 24 / 15.691 | 152 / 111.003 | 184 / 131.624 | |
| <i>Subtotal: Installation</i> | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 8 / 4.930 | - / - | 24 / 15.691 | 152 / 111.003 | 184 / 131.624 | |
| Total | | | | | | | | | | | | | |
| Total Cost (Procurement + Support + Installation) | 79.324 | - | - | 25.389 | - | 25.389 | - | 78.620 | 74.176 | 85.372 | 453.314 | 796.195 | |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: PRDTB2 / MQ-9 Mods | Modification Number / Title: 9151 / Block 5 |

Modification Item 1 of 1: Block 5

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: General Atomics ASI Manufacturer Location: Poway, CA

Administrative Leadtime (in Months): 3 Production Leadtime (in Months): 18

| Dates | FY 2013 | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|----------------|---------|---------|----------|---------|----------|----------|----------|
| Contract Dates | | | Apr 2015 | | Apr 2017 | Apr 2018 | Apr 2019 |
| Delivery Dates | | | Oct 2016 | | Oct 2018 | Oct 2019 | Oct 2020 |

Installation Information

Method of Implementation: Depot

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2013 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 8 / 4.930 | - / - | - / - | - / - | 8 / 4.930 |
| FY 2016 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2017 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 24 / 15.691 | - / - | 24 / 15.691 |
| FY 2018 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 24 / 16.163 | 24 / 16.163 |
| FY 2019 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 24 / 16.300 | 24 / 16.300 |
| To Complete | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 104 / 78.540 | 104 / 78.540 |
| Total | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 8 / 4.930 | - / - | 24 / 15.691 | 152 / 111.003 | 184 / 131.624 |

Installation Schedule

| | PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | | FY 2016 | | | | FY 2017 | | | | FY 2018 | | | | FY 2019 | | | | TC | Tot |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|-----|-----|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | |
| In | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 2 | 2 | - | - | - | - | 6 | 6 | 6 | 6 | 152 | 184 |
| Out | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 2 | 2 | - | - | - | - | 6 | 6 | 164 | 184 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | Date: March 2014 | | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | | P-1 Line Item Number / Title: PRDTB2 / MQ-9 Mods | | | | Modification Number / Title: 9152 / MQ-9 Field | | | | |

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|---|--------------------|----------------|----------------|---------------------|---------------------|----------------------|----------------|----------------|----------------|----------------|--------------------|----------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 116.923 | 56.620 | 44.086 | 17.236 | - | 17.236 | 9.076 | 5.663 | 0.460 | - | - | 250.064 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (<i>\$ in Millions</i>) | 116.923 | 56.620 | 44.086 | 17.236 | - | 17.236 | 9.076 | 5.663 | 0.460 | - | - | 250.064 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 116.923 | 56.620 | 44.086 | 17.236 | - | 17.236 | 9.076 | 5.663 | 0.460 | - | - | 250.064 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial Spares (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

This modification is a portion of the field retrofit program that upgrades Block 1 MQ-9 aircraft with enhanced capabilities and utilizes a field team to perform the modification. Upgrades that are part of this modification include, but are not limited to, High Definition (HD) aircraft upgrades, laser altimeter, BRU-71 bomb racks, landing gear, VORTEX encrypted datalink, Stores Management System (SMS), and Selective Availability Anti-Spoofing Module (SAASM). Field retrofits may also include communications, sensors, weapons and other upgrades as required to meet urgent operational needs. Urgent operational needs could include modifications to support anti-ice and other emerging requirements. Equipment quantities only reflect the Main Landing Gear (MLG) modifications. Beginning in FY15, quantity number is zero because MLG kit procurement is complete. Installation of the mods begins in FY14. The associated costs, however, reflect all costs associated with the multiple elements (e.g. HD aircraft upgrades, laser altimeter, BRU-71 racks, etc.) of the MQ-9 field retrofits. This program will revise quantities based on updated user requirements and as funding permits.

Milestone/Development Status

Critical Design Review (CDR) completed Apr 11.

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | | | | Date: March 2014 | | | |
|---|--------------------------------|--------------------------------|--------------------------------|--|--|--------------------------------|--------------------------------|--|--------------------------------|--|--------------------------------|--------------------------------|--|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | | | P-1 Line Item Number / Title: PRDTB2 / MQ-9 Mods | | | | | Modification Number / Title: 9152 / MQ-9 Field | | | |
| Models of Systems Affected: MQ-9 | | | | Modification Type: Capability Improvement | | | | Related RDT&E PEs: 0205219F | | | | | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total | |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | |
| Procurement | | | | | | | | | | | | | |
| <i>Modification Item 1 of 1: MQ-9 Field Mods</i> | | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| MQ-9 Field Mods:INSTALL KITS Group A (Active) | 52 / 11.693 | 32 / 3.837 | 26 / 3.252 | - / 1.066 | - / - | - / 1.066 | - / 0.159 | - / - | - / - | - / - | - / - | 110 / 20.007 | |
| <i>Subtotal: Recurring</i> | - / 11.693 | - / 3.837 | - / 3.252 | - / 1.066 | - / - | - / 1.066 | - / 0.159 | - / - | - / - | - / - | - / - | - / 20.007 | |
| B Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| MQ-9 Field Mods:EQUIPMENT Group B (Active) | 52 / 105.230 | 32 / 34.530 | 26 / 29.271 | - / 9.588 | - / - | - / 9.588 | - / 1.433 | - / - | - / - | - / - | - / - | 110 / 180.052 | |
| <i>Subtotal: Recurring</i> | - / 105.230 | - / 34.530 | - / 29.271 | - / 9.588 | - / - | - / 9.588 | - / 1.433 | - / - | - / - | - / - | - / - | - / 180.052 | |
| <i>Subtotal: MQ-9 Field Mods</i> | - / 116.923 | - / 38.367 | - / 32.523 | - / 10.654 | - / - | - / 10.654 | - / 1.592 | - / - | - / - | - / - | - / - | - / 200.059 | |
| <i>Subtotal: Procurement, All Modification Items</i> | - / 116.923 | - / 38.367 | - / 32.523 | - / 10.654 | - / - | - / 10.654 | - / 1.592 | - / - | - / - | - / - | - / - | - / 200.059 | |
| Support (All Modification Items) | | | | | | | | | | | | | |
| Change Orders | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | |
| OTHER GOVT | - / - | - / 18.253 | - / 5.522 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 23.775 | |
| <i>Subtotal: Support</i> | - / - | - / 18.253 | - / 5.522 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 23.775 | |
| Installation | | | | | | | | | | | | | |
| <i>Modification Item 1 of 1: MQ-9 Field Mods</i> | - / - | - / - | 20 / 6.041 | 32 / 6.582 | - / - | 32 / 6.582 | 32 / 7.484 | 24 / 5.663 | 2 / 0.460 | - / - | - / - | 110 / 26.230 | |
| <i>Subtotal: Installation</i> | - / - | - / - | 20 / 6.041 | 32 / 6.582 | - / - | 32 / 6.582 | 32 / 7.484 | 24 / 5.663 | 2 / 0.460 | - / - | - / - | 110 / 26.230 | |
| Total | | | | | | | | | | | | | |
| Total Cost (Procurement + Support + Installation) | 116.923 | 56.620 | 44.086 | 17.236 | - | 17.236 | 9.076 | 5.663 | 0.460 | - | - | 250.064 | |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: PRDTB2 / MQ-9 Mods | Modification Number / Title: 9152 / MQ-9 Field |

Modification Item 1 of 1: MQ-9 Field Mods

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: General Atomics-ASI

Manufacturer Location: Poway, CA

Administrative Leadtime (in Months): 8

Production Leadtime (in Months): 14

| Dates | FY 2013 | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|----------------|----------|----------|---------|---------|---------|---------|---------|
| Contract Dates | Jun 2013 | Jun 2014 | | | | | |
| Delivery Dates | Aug 2014 | Aug 2015 | | | | | |

Installation Information

Method of Implementation: Depot Field Team

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | - / - | - / - | 20 / 6.041 | 32 / 6.582 | - / - | 32 / 6.582 | - / - | - / - | - / - | - / - | - / - | 52 / 12.623 |
| FY 2013 | - / - | - / - | - / - | - / - | - / - | - / - | 32 / 7.484 | - / - | - / - | - / - | - / - | 32 / 7.484 |
| FY 2014 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 24 / 5.663 | 2 / 0.460 | - / - | - / - | 26 / 6.123 |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2016 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2017 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2018 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2019 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| To Complete | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | - / - | - / - | 20 / 6.041 | 32 / 6.582 | - / - | 32 / 6.582 | 32 / 7.484 | 24 / 5.663 | 2 / 0.460 | - / - | - / - | 110 / 26.230 |

Installation Schedule

| | PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | | FY 2016 | | | | FY 2017 | | | | FY 2018 | | | | FY 2019 | | | | TC | Tot | | | | |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|---|---|---|---|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | | | | | |
| In | 0 | - | - | - | - | - | 7 | 7 | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | - | 8 | 8 | 8 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Out | 0 | - | - | - | - | - | 7 | 7 | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | - | 8 | 8 | 8 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | Date: March 2014 |
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| | | |
|---|--|--|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: PRDTB2 / MQ-9 Mods | Modification Number / Title: 9153 / MTS-B HD |
|---|--|--|

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|---|---------------|--------------|----------|--------------|--------------|---------------|--------------|--------------|----------|----------|-------------|---------------|
| Procurement Quantity <i>(Units in Each)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost <i>(\$ in Millions)</i> | 21.757 | 8.542 | - | 7.587 | - | 7.587 | 8.310 | 0.510 | - | - | - | 46.706 |
| Less PY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) <i>(\$ in Millions)</i> | 21.757 | 8.542 | - | 7.587 | - | 7.587 | 8.310 | 0.510 | - | - | - | 46.706 |
| Plus CY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority <i>(\$ in Millions)</i> | 21.757 | 8.542 | - | 7.587 | - | 7.587 | 8.310 | 0.510 | - | - | - | 46.706 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial Spares <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

The Multi-Spectral Targeting System-B (MTS-B) Electro-Optical/Infra-Red (EO/IR) Sensor High Definition (HD) modification is a planned upgrade/replacement for the current 480P MTS-B sensor systems in the field. It introduces all-digital HD cameras and improved imagery performance (definition and color).

The basic components are updated MTS-B sensor units and High Definition Electronic Units (HDEUs).

Procurement of 94 MTS-B units upgraded from 480p to 720p capability.

Camera installation for the MTS-B units will be accomplished in the depot; install schedule reflects only this specific mod.

Prior costs include \$7.524M for 6 turrets upgraded with H.264/Tactical Reconnaissance capability.

Costs for FY15 - FY17 include Predator Mission Aircrew Training System (PMATS) HD retrofit costs.

This program will revise quantities based on updated user requirements and as funding permits.

Milestone/Development Status

Development completed on 720p HD EO/IR sensor capability.

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | | | | Date: March 2014 | | | |
|---|--------------------------------|--------------------------------|--------------------------------|--|--|--------------------------------|--------------------------------|--|--------------------------------|--|--------------------------------|--------------------------------|--|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | | | P-1 Line Item Number / Title: PRDTB2 / MQ-9 Mods | | | | | Modification Number / Title: 9153 / MTS-B HD | | | |
| Models of Systems Affected: MQ-9 | | | | Modification Type: Capability Improvement | | | | Related RDT&E PEs: 0205219F | | | | | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total | |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | |
| Procurement | | | | | | | | | | | | | |
| <i>Modification Item 1 of 1: MTS-B HD</i> | | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| MTS-B HD:INSTALL KITS Group A (Active) | 32 / 1.766 | 62 / 0.854 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 94 / 2.620 | |
| <i>Subtotal: Recurring</i> | - / 1.766 | - / 0.854 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 2.620 | |
| B Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| MTS-B HD:EQUIPMENT Group B (Active) | 32 / 4.285 | 62 / 7.688 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 94 / 11.973 | |
| <i>Subtotal: Recurring</i> | - / 4.285 | - / 7.688 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 11.973 | |
| <i>Subtotal: MTS-B HD</i> | - / 6.051 | - / 8.542 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 14.593 | |
| <i>Subtotal: Procurement, All Modification Items</i> | - / 6.051 | - / 8.542 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 14.593 | |
| Support (All Modification Items) | | | | | | | | | | | | | |
| GROUP A: TOTAL NONRECURRING | - / 11.610 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 11.610 | |
| SIM/TRAINER | 0 / 0.338 | - / - | - / - | - / 7.587 | - / - | - / 7.587 | - / 8.310 | - / 0.510 | - / - | - / - | - / - | - / 16.745 | |
| SUPPORT-EQUIP | - / 3.758 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 3.758 | |
| <i>Subtotal: Support</i> | 0 / 15.706 | - / - | - / - | - / 7.587 | - / - | - / 7.587 | - / 8.310 | - / 0.510 | - / - | - / - | - / - | - / 32.113 | |
| Installation | | | | | | | | | | | | | |
| <i>Subtotal: Installation</i> | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | |
| Total | | | | | | | | | | | | | |
| Total Cost (Procurement + Support + Installation) | 21.757 | 8.542 | - | 7.587 | - | 7.587 | 8.310 | 0.510 | - | - | - | 46.706 | |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | Date: March 2014 | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | P-1 Line Item Number / Title: PRDTB2 / MQ-9 Mods | | | Modification Number / Title: 9153 / MTS-B HD | |
| <i>Modification Item 1 of 1:</i> MTS-B HD | | | | | | | |
| Modification Item MDAP/MAIS Code: | | | | | | | |
| Manufacturer Information | | | | | | | |
| Manufacturer Name: Raytheon | | | | Manufacturer Location: McKinney, TX | | | |
| Administrative Leadtime (<i>in Months</i>): 1 | | | | Production Leadtime (<i>in Months</i>): 7 | | | |
| Dates | FY 2013 | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
| Contract Dates | Nov 2012 | | | | | | |
| Delivery Dates | Jun 2013 | | | | | | |
| Installation Information | | | | | | | |
| Method of Implementation (Organic): Org/Intermediate | | | | | | Installation Quantity: 94 | |
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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | Date: March 2014 | | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | | P-1 Line Item Number / Title: PRDTB2 / MQ-9 Mods | | | | Modification Number / Title: 9154 / Lynx SAR | | | | |

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|---|--------------------|----------------|----------------|---------------------|---------------------|----------------------|----------------|----------------|----------------|----------------|--------------------|----------------|
| Procurement Quantity <i>(Units in Each)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost <i>(\$ in Millions)</i> | - | - | - | 30.016 | - | 30.016 | 27.527 | 29.040 | 20.706 | - | 23.862 | 131.151 |
| Less PY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) <i>(\$ in Millions)</i> | - | - | - | 30.016 | - | 30.016 | 27.527 | 29.040 | 20.706 | - | 23.862 | 131.151 |
| Plus CY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority <i>(\$ in Millions)</i> | - | - | - | 30.016 | - | 30.016 | 27.527 | 29.040 | 20.706 | - | 23.862 | 131.151 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial Spares <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

This effort will retrofit fielded Lynx Block 20 Synthetic Aperture Radar (SAR) to the Block 20A Dual Beam capable SAR configuration. The Lynx Block 20A SAR will enhance fielded capability, improve reliability and maintainability, provide ability to locate and track dismounted targets, allow for future growth of capabilities, and resolve Diminishing Manufacturing Source (DMS) issues with current fielded Lynx Block 20 SAR. This program will revise quantities based on updated user requirements and as funding permits. Installation will be accomplished by organic manpower in the field.

Milestone/Development Status

Lynx Block 20A SAR has completed development. The initial Dismount Moving Target Indicator (DMTI) software was released in Jun 11 and began characterization during manned surrogate flights in Aug/Sep 11. The DMTI software began Development Testing in mid 2013 with fielding anticipated in 2014.

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | | | | Date: March 2014 | | | |
|---|--------------------------------|--------------------------------|--------------------------------|--|--|--------------------------------|--------------------------------|--|--------------------------------|--|--------------------------------|--------------------------------|--|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | | | P-1 Line Item Number / Title: PRDTB2 / MQ-9 Mods | | | | | Modification Number / Title: 9154 / Lynx SAR | | | |
| Models of Systems Affected: MQ-9 | | | | Modification Type: Capability Improvement | | | | Related RDT&E PEs: 0205219F | | | | | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total | |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | |
| Procurement | | | | | | | | | | | | | |
| <i>Modification Item 1 of 1: Lynx SAR</i> | | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| Lynx SAR:INSTALL KITS Group A (Active) | - / - | - / - | - / - | 24 / 2.352 | - / - | 24 / 2.352 | 24 / 2.422 | 24 / 2.496 | 17 / 1.821 | - / - | 21 / 2.386 | 110 / 11.477 | |
| <i>Subtotal: Recurring</i> | - / - | - / - | - / - | - / 2.352 | - / - | - / 2.352 | - / 2.422 | - / 2.496 | - / 1.821 | - / - | - / 2.386 | - / 11.477 | |
| B Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| Lynx SAR:EQUIPMENT Group B (Active) | - / - | - / - | - / - | 24 / 21.164 | - / - | 24 / 21.164 | 24 / 21.802 | 24 / 22.456 | 17 / 16.385 | - / - | 21 / 21.476 | 110 / 103.283 | |
| <i>Subtotal: Recurring</i> | - / - | - / - | - / - | - / 21.164 | - / - | - / 21.164 | - / 21.802 | - / 22.456 | - / 16.385 | - / - | - / 21.476 | - / 103.283 | |
| <i>Subtotal: Lynx SAR</i> | - / - | - / - | - / - | - / 23.516 | - / - | - / 23.516 | - / 24.224 | - / 24.952 | - / 18.206 | - / - | - / 23.862 | - / 114.760 | |
| <i>Subtotal: Procurement, All Modification Items</i> | - / - | - / - | - / - | - / 23.516 | - / - | - / 23.516 | - / 24.224 | - / 24.952 | - / 18.206 | - / - | - / 23.862 | - / 114.760 | |
| Support (All Modification Items) | | | | | | | | | | | | | |
| OTHER GOVT | - / - | - / - | - / - | - / 6.500 | - / - | - / 6.500 | - / 3.303 | - / 4.088 | - / 2.500 | - / - | - / - | - / 16.391 | |
| <i>Subtotal: Support</i> | - / - | - / - | - / - | - / 6.500 | - / - | - / 6.500 | - / 3.303 | - / 4.088 | - / 2.500 | - / - | - / - | - / 16.391 | |
| Installation | | | | | | | | | | | | | |
| <i>Subtotal: Installation</i> | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | |
| Total | | | | | | | | | | | | | |
| Total Cost (Procurement + Support + Installation) | - | - | - | 30.016 | - | 30.016 | 27.527 | 29.040 | 20.706 | - | 23.862 | 131.151 | |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | Date: March 2014 | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | P-1 Line Item Number / Title: PRDTB2 / MQ-9 Mods | | | Modification Number / Title: 9154 / Lynx SAR | |
| <i>Modification Item 1 of 1:</i> Lynx SAR | | | | | | | |
| Modification Item MDAP/MAIS Code: | | | | | | | |
| Manufacturer Information | | | | | | | |
| Manufacturer Name: General Atomics-ASI | | | | Manufacturer Location: Poway, CA | | | |
| Administrative Leadtime (<i>in Months</i>): 2 | | | | Production Leadtime (<i>in Months</i>): 12 | | | |
| Dates | FY 2013 | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
| Contract Dates | | | Dec 2014 | Dec 2015 | Dec 2016 | Dec 2017 | |
| Delivery Dates | | | Dec 2015 | Dec 2016 | Dec 2017 | Dec 2018 | |
| Installation Information | | | | | | | |
| Method of Implementation (Organic): Org/Intermediate | | | | | | Installation Quantity: 110 | |
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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | Date: March 2014 | | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | | P-1 Line Item Number / Title: PRDTB2 / MQ-9 Mods | | | | Modification Number / Title: 9159 / R&M enhancements | | | | |

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|---|--------------------|----------------|----------------|---------------------|---------------------|----------------------|----------------|----------------|----------------|----------------|--------------------|----------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 17.944 | 7.824 | 0.021 | 6.488 | - | 6.488 | 6.090 | 7.641 | 7.026 | 7.249 | 60.723 | 121.006 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (<i>\$ in Millions</i>) | 17.944 | 7.824 | 0.021 | 6.488 | - | 6.488 | 6.090 | 7.641 | 7.026 | 7.249 | 60.723 | 121.006 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 17.944 | 7.824 | 0.021 | 6.488 | - | 6.488 | 6.090 | 7.641 | 7.026 | 7.249 | 60.723 | 121.006 |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> | | | | | | | | | | | | |
| Initial Spares (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

The purpose of this effort is to enable reliability and maintainability (R&M) modifications for the MQ-9 aircraft, sensor payloads, Ground Control Station (GCS), and Primary Mission Aircrew Training System (PMATS) that will improve component mean time between failure and maintenance action rate requirements to drive down system sustainability cost over time. Current examples include, but are not limited to, improved fuel bladder, fuel pump, and wing sump box, and, potentially, improved oil system sampling, new battery junction box, angle of attack probe and improved power inverter. This effort will also address R&M issues identified by the Joint Reliability and Maintainability Evaluation Team (JRMET) and CAT I deficiency reports. The quantities of aircraft, payloads, GCSs, and PMATS modified will vary depending on the specific modification. Note: Under this effort the contractor will provide for the manufacture, installation, and acceptance test of reliability and maintainability modifications on MQ-9 aircraft and ground based systems. R&M installations will be completed by organic manpower. FY15 funds will be used to replace the Infrared Nose Camera to address current deficiencies. This program will revise quantities based on updated user requirements and as funding permits.

Milestone/Development Status

The MQ-9 program will continue to develop, test and recommend reliability, maintainability, availability, sustainability and safety enhancements and solutions for implementation on the MQ-9 platform and ground based systems in an effort to improve aircraft and payload availability and reduce lifecycle costs.

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | | | | Date: March 2014 | | | |
|---|--------------------------------|--------------------------------|--------------------------------|---|--|--------------------------------|--------------------------------|--|--------------------------------|--|--------------------------------|--------------------------------|--|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | | | P-1 Line Item Number / Title: PRDTB2 / MQ-9 Mods | | | | | Modification Number / Title: 9159 / R&M enhancements | | | |
| Models of Systems Affected: MQ-9 | | | | Modification Type: Reliability & Maintainability | | | | Related RDT&E PEs: 0205219F | | | | | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total | |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | |
| Procurement | | | | | | | | | | | | | |
| <i>Modification Item 1 of 1: R&M Enhancements</i> | | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| R&M Enhancements:INSTALL KITS Group A (Active) | 0 / 1.794 | - / 0.782 | - / - | - / 0.649 | - / - | - / 0.649 | - / 0.609 | - / 0.764 | - / 0.703 | - / 0.725 | - / 6.072 | - / 12.098 | |
| <i>Subtotal: Recurring</i> | - / 1.794 | - / 0.782 | - / - | - / 0.649 | - / - | - / 0.649 | - / 0.609 | - / 0.764 | - / 0.703 | - / 0.725 | - / 6.072 | - / 12.098 | |
| B Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| R&M Enhancements:EQUIPMENT Group B (Active) | 2 / 16.150 | 1 / 7.042 | 1 / 0.021 | 1 / 5.839 | - / - | 1 / 5.839 | 1 / 5.481 | 1 / 6.877 | 1 / 6.323 | 1 / 6.524 | - / 54.651 | 9 / 108.908 | |
| <i>Subtotal: Recurring</i> | - / 16.150 | - / 7.042 | - / 0.021 | - / 5.839 | - / - | - / 5.839 | - / 5.481 | - / 6.877 | - / 6.323 | - / 6.524 | - / 54.651 | - / 108.908 | |
| <i>Subtotal: R&M Enhancements</i> | - / 17.944 | - / 7.824 | - / 0.021 | - / 6.488 | - / - | - / 6.488 | - / 6.090 | - / 7.641 | - / 7.026 | - / 7.249 | - / 60.723 | - / 121.006 | |
| <i>Subtotal: Procurement, All Modification Items</i> | - / 17.944 | - / 7.824 | - / 0.021 | - / 6.488 | - / - | - / 6.488 | - / 6.090 | - / 7.641 | - / 7.026 | - / 7.249 | - / 60.723 | - / 121.006 | |
| Installation | | | | | | | | | | | | | |
| <i>Subtotal: Installation</i> | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | |
| Total | | | | | | | | | | | | | |
| Total Cost (Procurement + Support + Installation) | 17.944 | 7.824 | 0.021 | 6.488 | - | 6.488 | 6.090 | 7.641 | 7.026 | 7.249 | 60.723 | 121.006 | |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | Date: March 2014 | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | P-1 Line Item Number / Title: PRDTB2 / MQ-9 Mods | | | Modification Number / Title: 9159 / R&M enhancements | |
| Modification Item 1 of 1: R&M Enhancements | | | | | | | |
| Modification Item MDAP/MAIS Code: | | | | | | | |
| Manufacturer Information | | | | | | | |
| Manufacturer Name: General Atomics ASI | | | | Manufacturer Location: Poway CA | | | |
| Administrative Leadtime (<i>in Months</i>): 2 | | | | Production Leadtime (<i>in Months</i>): 12 | | | |
| Dates | FY 2013 | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
| Contract Dates | Jan 2013 | Jan 2014 | Jan 2015 | Jan 2016 | Jan 2017 | Jan 2018 | Jan 2019 |
| Delivery Dates | Jan 2014 | Jan 2015 | Jan 2016 | Jan 2017 | Jan 2018 | Jan 2019 | Jan 2020 |
| Installation Information | | | | | | | |
| Method of Implementation (Organic): Org/Intermediate | | | | | | Installation Quantity: 9 | |
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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | Date: March 2014 | | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | | P-1 Line Item Number / Title: PRDTB2 / MQ-9 Mods | | | | Modification Number / Title: 9164 / Extended Range MQ-9 | | | | |

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|---|--------------------|----------------|----------------|---------------------|---------------------|----------------------|----------------|----------------|----------------|----------------|--------------------|----------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | - | 70.354 | 16.863 | 59.872 | - | 59.872 | 54.073 | 36.697 | 5.736 | - | - | 243.595 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (<i>\$ in Millions</i>) | - | 70.354 | 16.863 | 59.872 | - | 59.872 | 54.073 | 36.697 | 5.736 | - | - | 243.595 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | - | 70.354 | 16.863 | 59.872 | - | 59.872 | 54.073 | 36.697 | 5.736 | - | - | 243.595 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial Spares (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

This program includes extending the range capability for the MQ-9 weapon system through aircraft modifications. Candidate aircraft modifications include fuel pods, new wings and tail, shipping containers, engine modifications, and software modifications. This program will revise quantities based on updated user requirements and as funding permits.

Milestone/Development Status

The Air Force will deliver a limited number of modified Extended Range (ER) a/c by March 2015 to meet a Joint Urgent Operational Need (JUON). Configuration for additional ER aircraft is in development.

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | | | | Date: March 2014 | | | |
|---|--------------------------------|--------------------------------|--------------------------------|--|--|--------------------------------|--------------------------------|--|--------------------------------|---|--------------------------------|--------------------------------|--|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | | | P-1 Line Item Number / Title: PRDTB2 / MQ-9 Mods | | | | | Modification Number / Title: 9164 / Extended Range MQ-9 | | | |
| Models of Systems Affected: MQ-9 | | | | Modification Type: Capability Improvement | | | | Related RDT&E PEs: 0205219F | | | | | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total | |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | |
| Procurement | | | | | | | | | | | | | |
| <i>Modification Item 1 of 1: Extended Range MQ-9</i> | | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| Extended Range MQ-9:INSTALL KITS Group A (Active) | - / - | 45 / 7.035 | - / - | 23 / 4.691 | - / - | 23 / 4.691 | 18 / 3.847 | 12 / 2.435 | - / - | - / - | - / - | 98 / 18.008 | |
| <i>Subtotal: Recurring</i> | - / - | - / 7.035 | - / - | - / 4.691 | - / - | - / 4.691 | - / 3.847 | - / 2.435 | - / - | - / - | - / - | - / 18.008 | |
| B Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| Extended Range MQ-9:EQUIPMENT Group B (Active) | - / - | 45 / 63.319 | - / - | 23 / 42.216 | - / - | 23 / 42.216 | 18 / 34.620 | 12 / 21.919 | - / - | - / - | - / - | 98 / 162.074 | |
| <i>Subtotal: Recurring</i> | - / - | - / 63.319 | - / - | - / 42.216 | - / - | - / 42.216 | - / 34.620 | - / 21.919 | - / - | - / - | - / - | - / 162.074 | |
| <i>Subtotal: Extended Range MQ-9</i> | - / - | - / 70.354 | - / - | - / 46.907 | - / - | - / 46.907 | - / 38.467 | - / 24.354 | - / - | - / - | - / - | - / 180.082 | |
| <i>Subtotal: Procurement, All Modification Items</i> | - / - | - / 70.354 | - / - | - / 46.907 | - / - | - / 46.907 | - / 38.467 | - / 24.354 | - / - | - / - | - / - | - / 180.082 | |
| Support (All Modification Items) | | | | | | | | | | | | | |
| OTHER GOVT | - / - | - / - | - / - | - / 12.965 | - / - | - / 12.965 | - / 5.244 | - / 3.990 | - / - | - / - | - / - | - / 22.199 | |
| <i>Subtotal: Support</i> | - / - | - / - | - / - | - / 12.965 | - / - | - / 12.965 | - / 5.244 | - / 3.990 | - / - | - / - | - / - | - / 22.199 | |
| Installation | | | | | | | | | | | | | |
| <i>Modification Item 1 of 1: Extended Range MQ-9</i> | - / - | - / - | 45 / 16.863 | - / - | - / - | - / - | 23 / 10.362 | 18 / 8.353 | 12 / 5.736 | - / - | - / - | 98 / 41.314 | |
| <i>Subtotal: Installation</i> | - / - | - / - | 45 / 16.863 | - / - | - / - | - / - | 23 / 10.362 | 18 / 8.353 | 12 / 5.736 | - / - | - / - | 98 / 41.314 | |
| Total | | | | | | | | | | | | | |
| Total Cost (Procurement + Support + Installation) | - | 70.354 | 16.863 | 59.872 | - | 59.872 | 54.073 | 36.697 | 5.736 | - | - | 243.595 | |

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|---|--|---|
| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: PRDTB2 / MQ-9 Mods | Modification Number / Title: 9164 / Extended Range MQ-9 |

Modification Item 1 of 1: Extended Range MQ-9

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: General Atomics - ASI

Manufacturer Location: Poway, CA

Administrative Leadtime (in Months): 3

Production Leadtime (in Months): 13

| Dates | FY 2013 | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|----------------|----------|---------|----------|----------|----------|---------|---------|
| Contract Dates | Aug 2013 | | Jan 2015 | Jan 2016 | Jan 2017 | | |
| Delivery Dates | Sep 2014 | | Feb 2016 | Feb 2017 | Feb 2018 | | |

Installation Information

Method of Implementation: Depot

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2013 | - / - | - / - | 45 / 16.863 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 45 / 16.863 |
| FY 2014 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - | 23 / 10.362 | - / - | - / - | - / - | - / - | 23 / 10.362 |
| FY 2016 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 18 / 8.353 | - / - | - / - | - / - | 18 / 8.353 |
| FY 2017 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 12 / 5.736 | - / - | - / - | 12 / 5.736 |
| FY 2018 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2019 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| To Complete | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | - / - | - / - | 45 / 16.863 | - / - | - / - | - / - | 23 / 10.362 | 18 / 8.353 | 12 / 5.736 | - / - | - / - | 98 / 41.314 |

Installation Schedule

| | PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | | FY 2016 | | | | FY 2017 | | | | FY 2018 | | | | FY 2019 | | | | TC | Tot | |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|----|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | | |
| In | 0 | - | - | - | - | - | - | - | 45 | - | - | - | - | 6 | 6 | 6 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | - | - | - | - | - | - | - | 98 |
| Out | 0 | - | - | - | - | - | - | - | - | 25 | 20 | - | - | - | 6 | 6 | 6 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | - | - | - | - | - | - | 98 |

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
PRDTB3 / MQ-9 UAS Payloads

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** **Other Related Program Elements:** 0305206F

Line Item MDAP/MAIS Code: 424 **Item MDAP/MAIS Code(s):**

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO [#] | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|---|-------------|---------------|---------|--------------|--------------------------|---------------|---------|---------|---------|---------|-------------|---------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | - | 84.470 | - | - | - | - | - | - | - | - | - | 84.470 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (<i>\$ in Millions</i>) | - | 84.470 | - | - | - | - | - | - | - | - | - | 84.470 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | - | 84.470 | - | - | - | - | - | - | - | - | - | 84.470 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial Spares (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Flyaway Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

The Gorgon Stare Quick Reaction Capability (QRC) initiative responds to and addresses an urgent operational need by equipping combatant commanders with broad area sensor capabilities that will initially be flown on specially modified MQ-9 Reapers, with potential to migrate to other manned and unmanned aircraft as development and requirements allow. The podded broad area sensor system will provide a city-sized surveillance capability. The Joint Requirements Oversight Council Memorandum (JROCM) 106-08, dated 27 May 2008, approved Air Force concept for a broad area airborne surveillance program plan to address Service requirements for wide field of view sensors on existing manned and unmanned aircraft system platforms.

This podded system's incremental strategy allows for incorporation of emerging technology advancements and lessons learned from deployed operational systems into product improvements and multi-INT capabilities integration for future increments and employment of the Gorgon Stare QRC concept.

Modification funding for the Gorgon Stare QRC will be appropriated and managed through the 645th Aeronautical Systems Group (AESG, BIG SAFARI Systems Program Office), Program Executive Officer for Intelligence, Surveillance and Reconnaissance and Special Operations Forces (AF PEO/ISR&SOF) Directorate, Air Force Life Cycle Management Center (AFLCMC), Air Force Materiel Command (AFMC). Modification funds will build sensor suites and support equipment for installation on specially modified MQ-9 Reaper RPAs and associated ground stations supporting Processing, Exploitation, and Dissemination (PED). The procurement funds will also be used for program management and support costs associated with these modification efforts.

| Exhibits Schedule | | Prior Years | | | FY 2013 | | | FY 2014 | | | FY 2015 Base | | | FY 2015 OCO | | | FY 2015 Total | | | |
|-------------------------|----------|-------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|
| Title* | Exhibits | ID CD | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 1 / Gorgon Stare | P-40a*** | | - | - | - | - | - | 84.470 | - | - | - | - | - | - | - | - | - | - | - | - |

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
PRDTB3 / MQ-9 UAS Payloads

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** **Other Related Program Elements:** 0305206F

Line Item MDAP/MAIS Code: 424 **Item MDAP/MAIS Code(s):**

| Exhibits Schedule | | | Prior Years | | | FY 2013 | | | FY 2014 | | | FY 2015 Base | | | FY 2015 OCO | | | FY 2015 Total | | |
|---------------------------------------|----------|-------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|
| Title* | Exhibits | ID CD | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Total Gross/Weapon System Cost | | | - | - | - | - | - | 84.470 | - | - | - | - | - | - | - | - | - | - | - | - |

| Exhibits Schedule | | | FY 2016 | | | FY 2017 | | | FY 2018 | | | FY 2019 | | | To Complete | | | Total | | |
|---------------------------------------|----------|-------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|
| Title* | Exhibits | ID CD | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 1 / Gorgon Stare | P-40a*** | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 84.470 |
| Total Gross/Weapon System Cost | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 84.470 |

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

*For Items, Title represents the Item Number / Title [DODIC].

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
RQ4GCM / RQ-4 GSRA/CSRA Mods

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0305220F **Other Related Program Elements:** 0305220F

Line Item MDAP/MAIS Code: 252 **Item MDAP/MAIS Code(s):**

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO [#] | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|---|--------------|---------|---------------|--------------|--------------------------|---------------|---------|---------|---------|---------|----------------|----------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 0.000 | - | 23.668 | - | - | - | - | - | - | - | 328.708 | 352.376 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (<i>\$ in Millions</i>) | 0.000 | - | 23.668 | - | - | - | - | - | - | - | 328.708 | 352.376 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 0.000 | - | 23.668 | - | - | - | - | - | - | - | 328.708 | 352.376 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial Spares (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Flyaway Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

Mod 470006 includes Ground Segment and Communications System Diminishing Manufacturing Sources (DMS)/obsolescence mitigation.

The Global Hawk System provides high altitude, deep look, long endurance intelligence, surveillance, and reconnaissance (ISR) capability that complements space and other airborne collectors during peacetime, crisis, and war-fighting scenarios.

The Global Hawk program will incorporate applicable synergies with other platforms, including the U.S. Navy's Triton, and other remotely piloted aircraft (RPA) weapon systems.

The Global Hawk System will be continually modified to maintain pace with evolving threats and increasing capabilities included in modernization efforts. These planned modifications include aircraft, ground station and support retrofits to incorporate new capabilities or meet mandated equipment standards.

Ground Station Technology Refresh (GSTR) was initiated to resolve significant obsolescence issues in the ground station in order to support a 20 year planned operational lifecycle for the Block 20/30/40 fleet. The FY13 PB proposed divestiture of the Block 30s and ACC resolved to divest the Block 20 Battlefield Airborne Communications Node (BACN) aircraft within the FYDP leaving only the Block 40s. As a result of the reduced ground station requirements, the GSTR effort was halted in favor of a DMS-only approach that leveraged the equipment from Block 30 ground stations planned for divestiture. As a result of the reinstatement of the Block 30s in the FY15 PB, the operational need for ground stations increases making a DMS-only strategy unfeasible; GSTR is planned for implementation in FY20 and beyond.

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
RQ4GCM / RQ-4 GSRA/CSRA Mods

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0305220F **Other Related Program Elements:** 0305220F

Line Item MDAP/MAIS Code: 252 **Item MDAP/MAIS Code(s):**

| Exhibits Schedule | | ID CD | Prior Years | | | FY 2013 | | | FY 2014 | | | FY 2015 Base | | | FY 2015 OCO | | | FY 2015 Total | | |
|---------------------------------------|----------|----------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|
| Title* | Exhibits | | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 1 / RQ-4 GSRA/CSRA Mods | P-40a*** | | - | - | 0.000 | - | - | - | - | - | 23.668 | - | - | - | - | - | - | - | - | - |
| Total Gross/Weapon System Cost | | | - | - | 0.000 | - | - | - | - | - | 23.668 | - | - | - | - | - | - | - | - | - |

| Exhibits Schedule | | ID CD | FY 2016 | | | FY 2017 | | | FY 2018 | | | FY 2019 | | | To Complete | | | Total | | |
|---------------------------------------|----------|----------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|---------------------|---------------|----------------------|
| Title* | Exhibits | | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 1 / RQ-4 GSRA/CSRA Mods | P-40a*** | | - | - | - | - | - | - | - | - | - | - | - | - | - | 328.708 | - | - | 352.376 | |
| Total Gross/Weapon System Cost | | | - | - | - | - | - | - | - | - | - | - | - | - | - | 328.708 | - | - | 352.376 | |

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

*For Items, Title represents the Item Number / Title [DODIC].

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
V02200 / CV-22 Mods

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** **Other Related Program Elements:** 0401318F

Line Item MDAP/MAIS Code: 212 **Item MDAP/MAIS Code(s):**

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|--|----------------|---------------|---------------|---------------|--------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|
| Procurement Quantity (Units in Each) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (\$ in Millions) | 100.922 | 21.625 | 19.555 | 74.874 | - | 74.874 | 70.370 | 72.671 | 73.999 | 75.386 | 186.706 | 696.108 |
| Less PY Advance Procurement (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (\$ in Millions) | 100.922 | 21.625 | 19.555 | 74.874 | - | 74.874 | 70.370 | 72.671 | 73.999 | 75.386 | 186.706 | 696.108 |
| Plus CY Advance Procurement (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (\$ in Millions) | 100.922 | 21.625 | 19.555 | 74.874 | - | 74.874 | 70.370 | 72.671 | 73.999 | 75.386 | 186.706 | 696.108 |

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

| | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial Spares (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Flyaway Unit Cost (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

Funding for this exhibit is contained in PE 0401318F.

The CV-22 is a Special Operations Forces (SOF) variant of the the V-22 tiltrotor multi-mission aircraft. The CV-22 provides long range, high speed, critical capability to insert, extract, and resupply special operations forces into politically or militarily denied areas, not currently provided by any other existing aircraft. The designed service life is 10,000 flying hours over 30 years. The CV-22 is part of the V-22 Joint Program. The Navy is the lead service.

The primary modification budgeted in FY15 is the Block C/20 Upgrade.

| Exhibits Schedule | | Prior Years | | | FY 2013 | | | FY 2014 | | | FY 2015 Base | | | FY 2015 OCO | | | FY 2015 Total | | | |
|-----------------------------------|----------|-------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|
| Title* | Exhibits | ID CD | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 1 / BLOCK B UPGRADE | P-40a*** | | - | - | 71.851 | - | - | 2.033 | - | - | 0.162 | - | - | - | - | - | - | - | - | - |
| Item - 2 / LOW COST MODIFICATIONS | P-40a*** | | - | - | 10.325 | - | - | 1.541 | - | - | 1.244 | - | - | 1.999 | - | - | - | - | - | 1.999 |
| P-3a - 8790 / Block 20 Upgrade | P-3a | | - | - | 18.746 | - | - | 18.051 | - | - | 18.149 | - | - | 72.875 | - | - | - | - | - | 72.875 |

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Exhibit P-40, Budget Line Item Justification: PB 2015 Air Force **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

P-1 Line Item Number / Title:
V02200 / CV-22 Mods

ID Code (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** **Other Related Program Elements:** 0401318F

Line Item MDAP/MAIS Code: 212 **Item MDAP/MAIS Code(s):**

| Exhibits Schedule | | | Prior Years | | | FY 2013 | | | FY 2014 | | | FY 2015 Base | | | FY 2015 OCO | | | FY 2015 Total | | |
|---------------------------------------|----------|-------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|
| Title* | Exhibits | ID CD | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Total Gross/Weapon System Cost | | | - | - | 100.922 | - | - | 21.625 | - | - | 19.555 | - | - | 74.874 | - | - | - | - | - | 74.874 |

| Exhibits Schedule | | | FY 2016 | | | FY 2017 | | | FY 2018 | | | FY 2019 | | | To Complete | | | Total | | |
|---------------------------------------|----------|-------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|
| Title* | Exhibits | ID CD | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ M) | Qty (Each) | Total Cost (\$ M) |
| Item - 1 / BLOCK B UPGRADE | P-40a*** | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 74.046 |
| Item - 2 / LOW COST MODIFICATIONS | P-40a*** | | - | - | 1.999 | - | - | 1.999 | - | - | 1.999 | - | - | 1.999 | - | - | 7.996 | - | - | 31.101 |
| P-3a - 8790 / Block 20 Upgrade | P-3a | | - | - | 68.371 | - | - | 70.672 | - | - | 72.000 | - | - | 73.387 | - | - | 178.710 | - | - | 590.961 |
| Total Gross/Weapon System Cost | | | - | - | 70.370 | - | - | 72.671 | - | - | 73.999 | - | - | 75.386 | - | - | 186.706 | - | - | 696.108 |

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

*For Items, Title represents the Item Number / Title [DODIC]. For the P-3a, Title represents the Modification Number / Title.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:

Where applicable, justification for individual modifications is provided in the P-3A exhibits.

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|---|--|--|--|---|--|--|--|--|--|--|--|--|
| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | | | | Date: March 2014 | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | | P-1 Line Item Number / Title: V02200 / CV-22 Mods | | | | | | Modification Number / Title: 8790 / Block 20 Upgrade | | |

| Resource Summary | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO# | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|---|--------------------|----------------|----------------|---------------------|---------------------|----------------------|----------------|----------------|----------------|----------------|--------------------|----------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 18.746 | 18.051 | 18.149 | 72.875 | - | 72.875 | 68.371 | 70.672 | 72.000 | 73.387 | 178.710 | 590.961 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P1) (<i>\$ in Millions</i>) | 18.746 | 18.051 | 18.149 | 72.875 | - | 72.875 | 68.371 | 70.672 | 72.000 | 73.387 | 178.710 | 590.961 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 18.746 | 18.051 | 18.149 | 72.875 | - | 72.875 | 68.371 | 70.672 | 72.000 | 73.387 | 178.710 | 590.961 |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> | | | | | | | | | | | | |
| Initial Spares (<i>\$ in Millions</i>) | - | - | - | 2.659 | - | 2.659 | 6.799 | 0.526 | - | - | - | 9.984 |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |

The FY 2015 OCO Request will be submitted at a later date.

Description:

This modification funds the retrofit of fielded CV-22 aircraft and trainers to Block C/20 configuration, and enhancement of self-deployment capability. The Block C/20 modification program will be implemented in several increments and includes, but is not limited to, efforts that (1) improve operational safety, suitability, and effectiveness, (2) correct deficiencies identified during operational testing and/or field operations, (3) improve reliability/maintainability of the aircraft, and (4) enhance defensive systems and self-deployment capabilities. Block C/20 upgrades are being developed in successive increments, and each increment includes multiple different kits, contracted as separate engineering change proposals. Each kit is developed on a separate timeline and will be installed under this modification program when available. A few of the kits will be developed in time to be incorporated on a limited number of aircraft on the production line; the aircraft fielded earlier will be retrofitted with kits under this modification program. Some of the Block C/20 modifications will have to be retrofitted on the entire fleet of CV-22s. The number of kits to be retrofitted under the Block C/20 modification will total 1437. Only 917 of the 1437 kits require depot level installation and the install schedule reflects only those depot level installs. The other 520 kits will be installed by O-level (organizational level maintenance activity). The first increment is expected to retrofit 34 aircraft and expected to include (but is not limited to) rehosting MV-22 Block C modifications on CV-22 and Communications Co-Site Interference program. These kits will be purchased FY2011 to FY2017 with installations FY2013 through FY2018. A follow-on increment is expected to retrofit 43 aircraft and includes (but is not limited to) communications, situational awareness, and software. These kits will be purchased in FY2013 through FY2019 with installations FY2014 through FY2020. The last increment is expected to retrofit the entire aircraft inventory of 50 aircraft and includes (but is not limited to) improvements to avionics architecture, communications/navigation systems, and modifications to increase engine time on wing. These kits will be purchased in FY2015 through FY2022 with installations FY2016 through 2024. This modification also includes funds to upgrade support equipment, training devices and simulators. The CV-22 platform has Diminishing Manufacturing Sources (DMS) issues and funding is included in this budget line item for DMS resolution. This budget line item also includes funds to upgrade CV-22 weapon system software. Funding for DMS and software is included in the A-kit Nonrecurring Engineering cost category.

Milestone/Development Status

RDT&E is funding development activities for the Block C/20 configuration. The Block 20 development contract was awarded in Dec 2007 and is expected to continue through the 30 September 2015. The Block C/20 modification consists of three increments and each increment includes several modification upgrades (i.e., kit types). The Blk 20 Increment 1 RDT&E is complete. The upgrades for Increments 2 and 3 are at various stages of development.

RDT&E funded by PE 0401318F.

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | | | | Date: March 2014 | | | |
|--|--------------------------------|--------------------------------|--------------------------------|--|---|--------------------------------|--------------------------------|--|--------------------------------|--|--------------------------------|--------------------------------|--|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | | | P-1 Line Item Number / Title: V02200 / CV-22 Mods | | | | | Modification Number / Title: 8790 / Block 20 Upgrade | | | |
| Models of Systems Affected: CV-22 | | | | Modification Type: Capability Improvement | | | | Related RDT&E PEs: 0401318F | | | | | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total | |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | |
| RDT&E PE # | | | | | | | | | | | | | |
| 0401318F | - / 147.807 | - / 14.741 | - / 17.417 | - / 12.940 | - / - | - / 12.940 | - / - | - / - | - / - | - / - | - / - | - / 92.905 | |
| Procurement | | | | | | | | | | | | | |
| Modification Item 1 of 37: AC Bus Tie Impr | | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| AC Bus Tie Impr:INSTALL KITS Group A (Active) | - / - | - / - | - / - | 20 / 0.086 | - / - | 20 / 0.086 | 22 / 0.098 | - / - | - / - | - / - | - / - | 42 / 0.184 | |
| <i>Subtotal: Recurring</i> | - / - | - / - | - / - | - / 0.086 | - / - | - / 0.086 | - / 0.098 | - / - | - / - | - / - | - / - | - / 0.184 | |
| <i>Subtotal: AC Bus Tie Impr</i> | - / - | - / - | - / - | - / 0.086 | - / - | - / 0.086 | - / 0.098 | - / - | - / - | - / - | - / - | - / 0.184 | |
| Modification Item 2 of 37: Auto Dependent Surveillance-Broadcast ADSB/Out | | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| Auto Dependent Surveillance-Broadcast ADSB/Out:INSTALL KITS Group A (Active) | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 8 / 2.126 | 8 / 2.126 | 8 / 2.126 | 26 / 6.910 | 50 / 13.288 | |
| <i>Subtotal: Recurring</i> | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 2.126 | - / 2.126 | - / 2.126 | - / 6.910 | - / 13.288 | |
| <i>Subtotal: Auto Dependent Surveillance-Broadcast ADSB/Out</i> | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 2.126 | - / 2.126 | - / 2.126 | - / 6.910 | - / 13.288 | |
| Modification Item 3 of 37: Cock Pit Voice Recorder Kits | | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| Cock Pit Voice Recorder Kits:INSTALL KITS Group A (Active) | - / - | - / - | 15 / 0.330 | 15 / 0.330 | - / - | 15 / 0.330 | 15 / 0.330 | 5 / 0.110 | - / - | - / - | - / - | 50 / 1.100 | |
| <i>Subtotal: Recurring</i> | - / - | - / - | - / 0.330 | - / 0.330 | - / - | - / 0.330 | - / 0.330 | - / 0.110 | - / - | - / - | - / - | - / 1.100 | |
| <i>Subtotal: Cock Pit Voice Recorder Kits</i> | - / - | - / - | - / 0.330 | - / 0.330 | - / - | - / 0.330 | - / 0.330 | - / 0.110 | - / - | - / - | - / - | - / 1.100 | |
| Modification Item 4 of 37: ECP 1001 Gimbal Ring Joint Redesign Kits | | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| ECP 1001 Gimbal Ring Joint Redesign Kits:INSTALL KITS Group A (Active) | - / - | - / - | - / - | 10 / 0.204 | - / - | 10 / 0.204 | 12 / 0.245 | 12 / 0.245 | 6 / 0.122 | - / - | - / - | 40 / 0.816 | |
| <i>Subtotal: Recurring</i> | - / - | - / - | - / - | - / 0.204 | - / - | - / 0.204 | - / 0.245 | - / 0.245 | - / 0.122 | - / - | - / - | - / 0.816 | |
| <i>Subtotal: ECP 1001 Gimbal Ring Joint Redesign Kits</i> | - / - | - / - | - / - | - / 0.204 | - / - | - / 0.204 | - / 0.245 | - / 0.245 | - / 0.122 | - / - | - / - | - / 0.816 | |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | | Date: March 2014 | | | | |
|--|--------------------------------|--------------------------------|---|--|--------------------------------|--------------------------------|--------------------------------|---|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | | P-1 Line Item Number / Title: V02200 / CV-22 Mods | | | | Modification Number / Title: 8790 / Block 20 Upgrade | | | | |
| Models of Systems Affected: CV-22 | | | Modification Type: Capability Improvement | | | | Related RDT&E PEs: 0401318F | | | | | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Modification Item 5 of 37: ECP 1020 Rudder Reliability Kits | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | |
| ECP 1020 Rudder Reliability Kits:INSTALL KITS Group A (Active) | - / - | - / - | 12 / 0.024 | 12 / 0.024 | - / - | 12 / 0.024 | 12 / 0.024 | 8 / 0.016 | - / - | - / - | - / - | 44 / 0.088 |
| <i>Subtotal: Recurring</i> | - / - | - / - | - / 0.024 | - / 0.024 | - / - | - / 0.024 | - / 0.024 | - / 0.016 | - / - | - / - | - / - | - / 0.088 |
| <i>Subtotal: ECP 1020 Rudder Reliability Kits</i> | - / - | - / - | - / 0.024 | - / 0.024 | - / - | - / 0.024 | - / 0.024 | - / 0.016 | - / - | - / - | - / - | - / 0.088 |
| Modification Item 6 of 37: ECP 1041 BLOS Kits | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | |
| ECP 1041 BLOS Kits:INSTALL KITS Group A (Active) | - / - | - / - | - / - | 8 / 2.600 | - / - | 8 / 2.600 | 8 / 2.600 | 8 / 2.600 | 8 / 2.600 | 8 / 2.600 | 8 / 2.600 | 48 / 15.600 |
| <i>Subtotal: Recurring</i> | - / - | - / - | - / - | - / 2.600 | - / - | - / 2.600 | - / 2.600 | - / 2.600 | - / 2.600 | - / 2.600 | - / 2.600 | - / 15.600 |
| <i>Subtotal: ECP 1041 BLOS Kits</i> | - / - | - / - | - / - | - / 2.600 | - / - | - / 2.600 | - / 2.600 | - / 2.600 | - / 2.600 | - / 2.600 | - / 2.600 | - / 15.600 |
| Modification Item 7 of 37: ECP 527R1 Emergency O2 Bottle Gauge Kits | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | |
| ECP 527R1 Emergency O2 Bottle Gauge Kits:INSTALL KITS Group A (Active) | 19 / 0.016 | - / - | 19 / 0.016 | 19 / 0.016 | - / - | 19 / 0.016 | 6 / 0.005 | - / - | - / - | - / - | - / - | 63 / 0.053 |
| <i>Subtotal: Recurring</i> | - / 0.016 | - / - | - / 0.016 | - / 0.016 | - / - | - / 0.016 | - / 0.005 | - / - | - / - | - / - | - / - | - / 0.053 |
| <i>Subtotal: ECP 527R1 Emergency O2 Bottle Gauge Kits</i> | - / 0.016 | - / - | - / 0.016 | - / 0.016 | - / - | - / 0.016 | - / 0.005 | - / - | - / - | - / - | - / - | - / 0.053 |
| Modification Item 8 of 37: ECP 866R1 Gen 5 Radio Kits | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | |
| ECP 866R1 Gen 5 Radio Kits:INSTALL KITS Group A (Active) | - / - | - / - | 13 / 0.022 | 13 / 0.022 | - / - | 13 / 0.022 | 7 / 0.012 | 6 / 0.010 | - / - | - / - | - / - | 39 / 0.066 |
| <i>Subtotal: Recurring</i> | - / - | - / - | - / 0.022 | - / 0.022 | - / - | - / 0.022 | - / 0.012 | - / 0.010 | - / - | - / - | - / - | - / 0.066 |
| B Kits | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | |
| ECP 866R1 Gen 5 Radio Kits:EQUIPMENT Group B (Active) | - / - | - / - | 13 / 4.642 | 13 / 4.830 | - / - | 13 / 4.830 | 7 / 2.653 | 6 / 2.274 | - / - | - / - | - / - | 39 / 14.399 |
| <i>Subtotal: Recurring</i> | - / - | - / - | - / 4.642 | - / 4.830 | - / - | - / 4.830 | - / 2.653 | - / 2.274 | - / - | - / - | - / - | - / 14.399 |
| <i>Subtotal: ECP 866R1 Gen 5 Radio Kits</i> | - / - | - / - | - / 4.664 | - / 4.852 | - / - | - / 4.852 | - / 2.665 | - / 2.284 | - / - | - / - | - / - | - / 14.465 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | | | | Date: March 2014 | | |
|--|--------------------------------|--------------------------------|--------------------------------|--|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|---|--------------------------------|--------------------------------|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | | P-1 Line Item Number / Title: V02200 / CV-22 Mods | | | | | | Modification Number / Title: 8790 / Block 20 Upgrade | | |
| Models of Systems Affected: CV-22 | | | | Modification Type: Capability Improvement | | | | Related RDT&E PEs: 0401318F | | | | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Modification Item 9 of 37: ECP 869 Nose Landing Gear | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | |
| ECP 869 Nose Landing Gear:INSTALL KITS Group A (Active) | - / - | - / - | 14 / 0.091 | - / - | - / - | - / - | 2 / 0.013 | - / - | - / - | - / - | - / - | 16 / 0.104 |
| <i>Subtotal: Recurring</i> | - / - | - / - | - / 0.091 | - / - | - / - | - / - | - / 0.013 | - / - | - / - | - / - | - / - | - / 0.104 |
| <i>Subtotal: ECP 869 Nose Landing Gear</i> | - / - | - / - | - / 0.091 | - / - | - / - | - / - | - / 0.013 | - / - | - / - | - / - | - / - | - / 0.104 |
| Modification Item 10 of 37: ECP 873 MCOI Kits | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | |
| ECP 873 MCOI Kits:INSTALL KITS Group A (Active) | - / - | - / - | - / - | 8 / 2.864 | - / - | 8 / 2.864 | 8 / 2.864 | 8 / 2.864 | 8 / 2.864 | 7 / 2.506 | 4 / 1.432 | 43 / 15.394 |
| <i>Subtotal: Recurring</i> | - / - | - / - | - / - | - / 2.864 | - / - | - / 2.864 | - / 2.864 | - / 2.864 | - / 2.864 | - / 2.506 | - / 1.432 | - / 15.394 |
| <i>Subtotal: ECP 873 MCOI Kits</i> | - / - | - / - | - / - | - / 2.864 | - / - | - / 2.864 | - / 2.864 | - / 2.864 | - / 2.864 | - / 2.506 | - / 1.432 | - / 15.394 |
| Modification Item 11 of 37: ECP 901 Blk C Kits | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | |
| ECP 901 Blk C Kits:INSTALL KITS Group A (Active) | 8 / 5.598 | 7 / 4.888 | - / - | 6 / 4.278 | - / - | 6 / 4.278 | - / - | - / - | - / - | - / - | - / - | 21 / 14.764 |
| <i>Subtotal: Recurring</i> | - / 5.598 | - / 4.888 | - / - | - / 4.278 | - / - | - / 4.278 | - / - | - / - | - / - | - / - | - / - | - / 14.764 |
| <i>Subtotal: ECP 901 Blk C Kits</i> | - / 5.598 | - / 4.888 | - / - | - / 4.278 | - / - | - / 4.278 | - / - | - / - | - / - | - / - | - / - | - / 14.764 |
| Modification Item 12 of 37: ECP 901 Co-Site Kits | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | |
| ECP 901 Co-Site Kits:INSTALL KITS Group A (Active) | 15 / 7.547 | - / - | - / - | 8 / 4.098 | - / - | 8 / 4.098 | 8 / 4.098 | 3 / 1.537 | - / - | - / - | - / - | 34 / 17.280 |
| <i>Subtotal: Recurring</i> | - / 7.547 | - / - | - / - | - / 4.098 | - / - | - / 4.098 | - / 4.098 | - / 1.537 | - / - | - / - | - / - | - / 17.280 |
| <i>Subtotal: ECP 901 Co-Site Kits</i> | - / 7.547 | - / - | - / - | - / 4.098 | - / - | - / 4.098 | - / 4.098 | - / 1.537 | - / - | - / - | - / - | - / 17.280 |
| Modification Item 13 of 37: ECP 901R2 Antenna Mounting Kits | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | |
| ECP 901R2 Antenna Mounting Kits:INSTALL KITS Group A (Active) | - / - | 7 / 0.016 | 8 / 0.019 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 15 / 0.035 |
| <i>Subtotal: Recurring</i> | - / - | - / 0.016 | - / 0.019 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 0.035 |
| <i>Subtotal: ECP 901R2 Antenna Mounting Kits</i> | - / - | - / 0.016 | - / 0.019 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 0.035 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | | Date: March 2014 | | | | |
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| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | | P-1 Line Item Number / Title: V02200 / CV-22 Mods | | | | Modification Number / Title: 8790 / Block 20 Upgrade | | | | |
| Models of Systems Affected: CV-22 | | | Modification Type: Capability Improvement | | | | Related RDT&E PEs: 0401318F | | | | | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Modification Item 14 of 37: ECP 901R2 Troop Commander Panel Kits | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | |
| ECP 901R2 Troop Commander Panel Kits:INSTALL KITS Group A (Active) | - / - | 7 / 0.006 | 8 / 0.007 | 5 / 0.005 | - / - | 5 / 0.005 | - / - | - / - | - / - | - / - | - / - | 20 / 0.018 |
| <i>Subtotal: Recurring</i> | - / - | - / 0.006 | - / 0.007 | - / 0.005 | - / - | - / 0.005 | - / - | - / - | - / - | - / - | - / - | - / 0.018 |
| <i>Subtotal: ECP 901R2 Troop Commander Panel Kits</i> | - / - | - / 0.006 | - / 0.007 | - / 0.005 | - / - | - / 0.005 | - / - | - / - | - / - | - / - | - / - | - / 0.018 |
| Modification Item 15 of 37: ECP 906 Fuel Jettison Kits | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | |
| ECP 906 Fuel Jettison Kits:INSTALL KITS Group A (Active) | 9 / 3.529 | 9 / 3.532 | 8 / 3.147 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 26 / 10.208 |
| <i>Subtotal: Recurring</i> | - / 3.529 | - / 3.532 | - / 3.147 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 10.208 |
| <i>Subtotal: ECP 906 Fuel Jettison Kits</i> | - / 3.529 | - / 3.532 | - / 3.147 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 10.208 |
| Modification Item 16 of 37: ECP 915 Wiring Harness Kits | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | |
| ECP 915 Wiring Harness Kits:INSTALL KITS Group A (Active) | - / - | - / - | - / - | 11 / 0.195 | - / - | 11 / 0.195 | - / - | - / - | - / - | - / - | - / - | 11 / 0.195 |
| <i>Subtotal: Recurring</i> | - / - | - / - | - / - | - / 0.195 | - / - | - / 0.195 | - / - | - / - | - / - | - / - | - / - | - / 0.195 |
| <i>Subtotal: ECP 915 Wiring Harness Kits</i> | - / - | - / - | - / - | - / 0.195 | - / - | - / 0.195 | - / - | - / - | - / - | - / - | - / - | - / 0.195 |
| Modification Item 17 of 37: ECP 922 CFG Redesign | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | |
| ECP 922 CFG Redesign:INSTALL KITS Group A (Active) | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 6 / 1.395 | 9 / 2.093 | 10 / 2.326 | 25 / 5.814 | 50 / 11.628 |
| <i>Subtotal: Recurring</i> | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 1.395 | - / 2.093 | - / 2.326 | - / 5.814 | - / 11.628 |
| <i>Subtotal: ECP 922 CFG Redesign</i> | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 1.395 | - / 2.093 | - / 2.326 | - / 5.814 | - / 11.628 |
| Modification Item 18 of 37: ECP 929 Drive Tube Kits | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | |
| ECP 929 Drive Tube Kits:INSTALL KITS Group A (Active) | - / - | - / - | - / - | - / - | - / - | - / - | 7 / 0.154 | 7 / 0.154 | 7 / 0.154 | 7 / 0.154 | 7 / 0.154 | 35 / 0.770 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | | | | Date: March 2014 | | | |
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| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | | | P-1 Line Item Number / Title: V02200 / CV-22 Mods | | | | | Modification Number / Title: 8790 / Block 20 Upgrade | | | |
| Models of Systems Affected: CV-22 | | | | Modification Type: Capability Improvement | | | | Related RDT&E PEs: 0401318F | | | | | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total | |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | |
| <i>Subtotal: Recurring</i> | - / - | - / - | - / - | - / - | - / - | - / - | - / 0.154 | - / 0.154 | - / 0.154 | - / 0.154 | - / 0.154 | - / 0.770 | |
| <i>Subtotal: ECP 929 Drive Tube Kits</i> | - / - | - / - | - / - | - / - | - / - | - / - | - / 0.154 | - / 0.154 | - / 0.154 | - / 0.154 | - / 0.154 | - / 0.770 | |
| Modification Item 19 of 37: ECP 935 Mode 5 APX-119 Kits | | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| ECP 935 Mode 5 APX-119 Kits:INSTALL KITS Group A (Active) | - / - | - / - | 13 / 0.262 | 12 / 0.259 | - / - | 12 / 0.259 | - / - | - / - | - / - | - / - | - / - | 25 / 0.521 | |
| <i>Subtotal: Recurring</i> | - / - | - / - | - / 0.262 | - / 0.259 | - / - | - / 0.259 | - / - | - / - | - / - | - / - | - / - | - / 0.521 | |
| <i>Subtotal: ECP 935 Mode 5 APX-119 Kits</i> | - / - | - / - | - / 0.262 | - / 0.259 | - / - | - / 0.259 | - / - | - / - | - / - | - / - | - / - | - / 0.521 | |
| Modification Item 20 of 37: ECP 987 Differential Pressure Indicator Kits | | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| ECP 987 Differential Pressure Indicator Kits:INSTALL KITS Group A (Active) | - / - | - / - | 9 / 0.225 | 9 / 0.225 | - / - | 9 / 0.225 | 10 / 0.250 | 9 / 0.225 | - / - | - / - | - / - | 37 / 0.925 | |
| <i>Subtotal: Recurring</i> | - / - | - / - | - / 0.225 | - / 0.225 | - / - | - / 0.225 | - / 0.250 | - / 0.225 | - / - | - / - | - / - | - / 0.925 | |
| <i>Subtotal: ECP 987 Differential Pressure Indicator Kits</i> | - / - | - / - | - / 0.225 | - / 0.225 | - / - | - / 0.225 | - / 0.250 | - / 0.225 | - / - | - / - | - / - | - / 0.925 | |
| Modification Item 21 of 37: ECP 992 PRGB Input Quill Wavespring/BUMP Face Spacer Kits | | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| ECP 992 PRGB Input Quill Wavespring/BUMP Face Spacer Kits:INSTALL KITS Group A (Active) | - / - | - / - | 6 / 0.108 | 6 / 0.108 | - / - | 6 / 0.108 | 6 / 0.108 | - / - | - / - | - / - | - / - | 18 / 0.324 | |
| <i>Subtotal: Recurring</i> | - / - | - / - | - / 0.108 | - / 0.108 | - / - | - / 0.108 | - / 0.108 | - / - | - / - | - / - | - / - | - / 0.324 | |
| <i>Subtotal: ECP 992 PRGB Input Quill Wavespring/BUMP Face Spacer Kits</i> | - / - | - / - | - / 0.108 | - / 0.108 | - / - | - / 0.108 | - / 0.108 | - / - | - / - | - / - | - / - | - / 0.324 | |
| Modification Item 22 of 37: ECP XXX SLIM MFD Kits | | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| ECP XXX SLIM MFD Kits:INSTALL KITS Group A (Active) | - / - | - / - | - / - | 8 / 1.760 | - / - | 8 / 1.760 | 8 / 1.760 | 8 / 1.760 | 8 / 1.760 | 7 / 1.540 | 4 / 0.880 | 43 / 9.460 | |
| <i>Subtotal: Recurring</i> | - / - | - / - | - / - | - / 1.760 | - / - | - / 1.760 | - / 1.760 | - / 1.760 | - / 1.760 | - / 1.540 | - / 0.880 | - / 9.460 | |
| <i>Subtotal: ECP XXX SLIM MFD Kits</i> | - / - | - / - | - / - | - / 1.760 | - / - | - / 1.760 | - / 1.760 | - / 1.760 | - / 1.760 | - / 1.540 | - / 0.880 | - / 9.460 | |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | | Date: March 2014 | | | | | | | | | | | | | | | | | | | | | | |
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| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | | P-1 Line Item Number / Title: V02200 / CV-22 Mods | | | | Modification Number / Title: 8790 / Block 20 Upgrade | | | | | | | | | | | | | | | | | | | | | | |
| Models of Systems Affected: CV-22 | | | Modification Type: Capability Improvement | | | | Related RDT&E PEs: 0401318F | | | | | | | | | | | | | | | | | | | | | | | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total | | | | | | | | | | | | | | | | | | |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | | | | | | | | | | | | | | | | | | |
| Modification Item 23 of 37: ECP901R2 Beefy Cables Retrofit Kits | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ECP901R2 Beefy Cables Retrofit Kits:INSTALL KITS Group A (Active) | - | / | - | 7 | / | 0.038 | 8 | / | 0.042 | 11 | / | 0.060 | - | / | - | - | / | - | - | / | - | - | / | 0.140 | | | | | | |
| <i>Subtotal: Recurring</i> | - | / | - | - | / | 0.038 | - | / | 0.042 | - | / | 0.060 | - | / | - | - | / | - | - | / | - | - | / | 0.140 | | | | | | |
| <i>Subtotal: ECP901R2 Beefy Cables Retrofit Kits</i> | - | / | - | - | / | 0.038 | - | / | 0.042 | - | / | 0.060 | - | / | - | - | / | - | - | / | - | - | / | 0.140 | | | | | | |
| Modification Item 24 of 37: ECP901R2 Satcom Egg Beater Antenna Kits | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ECP901R2 Satcom Egg Beater Antenna Kits:INSTALL KITS Group A (Active) | - | / | - | 7 | / | 0.155 | 8 | / | 0.179 | 12 | / | 0.273 | - | / | - | - | / | - | - | / | - | - | / | 0.607 | | | | | | |
| <i>Subtotal: Recurring</i> | - | / | - | - | / | 0.155 | - | / | 0.179 | - | / | 0.273 | - | / | - | - | / | - | - | / | - | - | / | 0.607 | | | | | | |
| <i>Subtotal: ECP901R2 Satcom Egg Beater Antenna Kits</i> | - | / | - | - | / | 0.155 | - | / | 0.179 | - | / | 0.273 | - | / | - | - | / | - | - | / | - | - | / | 0.607 | | | | | | |
| Modification Item 25 of 37: FLIR Kits | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FLIR Kits:INSTALL KITS Group A (Active) | - | / | - | - | / | - | 10 | / | 0.364 | - | / | - | 10 | / | 0.364 | 15 | / | 0.557 | 10 | / | 0.379 | - | / | - | 35 | / | 1.300 | | | |
| <i>Subtotal: Recurring</i> | - | / | - | - | / | - | - | / | 0.364 | - | / | - | - | / | 0.364 | - | / | 0.557 | - | / | 0.379 | - | / | - | - | / | 1.300 | | | |
| <i>Subtotal: FLIR Kits</i> | - | / | - | - | / | - | - | / | 0.364 | - | / | - | - | / | 0.364 | - | / | 0.557 | - | / | 0.379 | - | / | - | - | / | 1.300 | | | |
| Modification Item 26 of 37: Formsprag Clutch Impr | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Formsprag Clutch Impr:INSTALL KITS Group A (Active) | - | / | - | - | / | - | - | / | - | - | / | - | 12 | / | 0.600 | 12 | / | 0.600 | 12 | / | 0.600 | 12 | / | 0.600 | 2 | / | 0.100 | 50 | / | 2.500 |
| <i>Subtotal: Recurring</i> | - | / | - | - | / | - | - | / | - | - | / | - | - | / | 0.600 | - | / | 0.600 | - | / | 0.600 | - | / | 0.600 | - | / | 0.100 | - | / | 2.500 |
| <i>Subtotal: Formsprag Clutch Impr</i> | - | / | - | - | / | - | - | / | - | - | / | - | - | / | 0.600 | - | / | 0.600 | - | / | 0.600 | - | / | 0.600 | - | / | 0.100 | - | / | 2.500 |
| Modification Item 27 of 37: Fwd Looking Infrared Systems Electronics Unit (FLIR SEU) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fwd Looking Infrared Systems Electronics Unit (FLIR SEU):INSTALL KITS Group A (Active) | 2 | / | 0.531 | - | / | - | - | / | - | - | / | - | - | / | - | - | / | - | - | / | - | - | / | - | - | / | 0.531 | | | |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | | | | Date: March 2014 | | |
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| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | | | P-1 Line Item Number / Title: V02200 / CV-22 Mods | | | | | Modification Number / Title: 8790 / Block 20 Upgrade | | |
| Models of Systems Affected: CV-22 | | | | Modification Type: Capability Improvement | | | | Related RDT&E PEs: 0401318F | | | | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| <i>Subtotal: Recurring</i> | - / 0.531 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 0.531 |
| <i>Subtotal: Fwd Looking Infrared Systems Electronics Unit (FLIR SEU)</i> | - / 0.531 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 0.531 |
| Modification Item 28 of 37: GAU-21 Gun Mounts | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | |
| GAU-21 Gun Mounts:INSTALL KITS Group A (Active) | - / - | - / - | - / - | 50 / 2.974 | - / - | 50 / 2.974 | - / - | - / - | - / - | - / - | - / - | 50 / 2.974 |
| <i>Subtotal: Recurring</i> | - / - | - / - | - / - | - / 2.974 | - / - | - / 2.974 | - / - | - / - | - / - | - / - | - / - | - / 2.974 |
| <i>Subtotal: GAU-21 Gun Mounts</i> | - / - | - / - | - / - | - / 2.974 | - / - | - / 2.974 | - / - | - / - | - / - | - / - | - / - | - / 2.974 |
| Modification Item 29 of 37: Improved Anti-drive Spacers | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | |
| Improved Anti-drive Spacers:INSTALL KITS Group A (Active) | 41 / 0.029 | - / - | 48 / 0.037 | 24 / 0.013 | - / - | 24 / 0.013 | - / - | - / - | - / - | - / - | - / - | 113 / 0.079 |
| <i>Subtotal: Recurring</i> | - / 0.029 | - / - | - / 0.037 | - / 0.013 | - / - | - / 0.013 | - / - | - / - | - / - | - / - | - / - | - / 0.079 |
| <i>Subtotal: Improved Anti-drive Spacers</i> | - / 0.029 | - / - | - / 0.037 | - / 0.013 | - / - | - / 0.013 | - / - | - / - | - / - | - / - | - / - | - / 0.079 |
| Modification Item 30 of 37: Improved Inlet Solution | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | |
| Improved Inlet Solution:INSTALL KITS Group A (Active) | - / - | - / - | - / - | - / - | - / - | - / - | 4 / 7.000 | 8 / 14.000 | 9 / 15.750 | 9 / 15.750 | 20 / 35.000 | 50 / 87.500 |
| <i>Subtotal: Recurring</i> | - / - | - / - | - / - | - / - | - / - | - / - | - / 7.000 | - / 14.000 | - / 15.750 | - / 15.750 | - / 35.000 | - / 87.500 |
| <i>Subtotal: Improved Inlet Solution</i> | - / - | - / - | - / - | - / - | - / - | - / - | - / 7.000 | - / 14.000 | - / 15.750 | - / 15.750 | - / 35.000 | - / 87.500 |
| Modification Item 31 of 37: Intel Broadcast Receiver (IBR) | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | |
| Intel Broadcast Receiver (IBR):INSTALL KITS Group A (Active) | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 50 / 5.000 | - / - | - / - | - / - | 50 / 5.000 |
| <i>Subtotal: Recurring</i> | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 5.000 | - / - | - / - | - / - | - / 5.000 |
| <i>Subtotal: Intel Broadcast Receiver (IBR)</i> | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 5.000 | - / - | - / - | - / - | - / 5.000 |
| Modification Item 32 of 37: KY-100 Upgrade | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | |

UNCLASSIFIED

| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | | Date: March 2014 | | | | |
|--|--------------------------------|--------------------------------|---|--|--------------------------------|--------------------------------|--------------------------------|---|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | | P-1 Line Item Number / Title: V02200 / CV-22 Mods | | | | Modification Number / Title: 8790 / Block 20 Upgrade | | | | |
| Models of Systems Affected: CV-22 | | | Modification Type: Capability Improvement | | | | Related RDT&E PEs: 0401318F | | | | | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| KY-100 Upgrade:INSTALL KITS Group A (Active) | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 15 / 0.105 | 15 / 0.105 | 15 / 0.105 | 5 / 0.035 | 50 / 0.350 |
| <i>Subtotal: Recurring</i> | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 0.105 | - / 0.105 | - / 0.105 | - / 0.035 | - / 0.350 |
| <i>Subtotal: KY-100 Upgrade</i> | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 0.105 | - / 0.105 | - / 0.105 | - / 0.035 | - / 0.350 |
| Modification Item 33 of 37: Life Limited Airframe Components Impr | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | |
| Life Limited Airframe Components Impr:INSTALL KITS Group A (Active) | - / - | - / - | - / - | - / - | - / - | - / - | 2 / 0.036 | 3 / 0.054 | 3 / 0.054 | 3 / 0.054 | 39 / 0.702 | 50 / 0.900 |
| <i>Subtotal: Recurring</i> | - / - | - / - | - / - | - / - | - / - | - / - | - / 0.036 | - / 0.054 | - / 0.054 | - / 0.054 | - / 0.702 | - / 0.900 |
| <i>Subtotal: Life Limited Airframe Components Impr</i> | - / - | - / - | - / - | - / - | - / - | - / - | - / 0.036 | - / 0.054 | - / 0.054 | - / 0.054 | - / 0.702 | - / 0.900 |
| Modification Item 34 of 37: PRGB Atmospheric Protection Kits | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | |
| PRGB Atmospheric Protection Kits:INSTALL KITS Group A (Active) | - / - | - / - | 8 / 0.179 | 12 / 0.269 | - / - | 12 / 0.269 | 12 / 0.269 | - / - | - / - | - / - | - / - | 32 / 0.717 |
| <i>Subtotal: Recurring</i> | - / - | - / - | - / 0.179 | - / 0.269 | - / - | - / 0.269 | - / 0.269 | - / - | - / - | - / - | - / - | - / 0.717 |
| <i>Subtotal: PRGB Atmospheric Protection Kits</i> | - / - | - / - | - / 0.179 | - / 0.269 | - / - | - / 0.269 | - / 0.269 | - / - | - / - | - / - | - / - | - / 0.717 |
| Modification Item 35 of 37: Prop Rotor Hub Spring & Drive Link Impr | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | |
| Prop Rotor Hub Spring & Drive Link Impr:INSTALL KITS Group A (Active) | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 12 / 0.820 | 12 / 0.820 | 26 / 1.777 | 50 / 3.417 |
| <i>Subtotal: Recurring</i> | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 0.820 | - / 0.820 | - / 1.777 | - / 3.417 |
| <i>Subtotal: Prop Rotor Hub Spring & Drive Link Impr</i> | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 0.820 | - / 0.820 | - / 1.777 | - / 3.417 |
| Modification Item 36 of 37: Swashplate Actuator Mod | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | |
| Swashplate Actuator Mod:INSTALL KITS Group A (Active) | - / - | - / - | - / - | 12 / 0.086 | - / - | 12 / 0.086 | 12 / 0.086 | 8 / 0.058 | - / - | - / - | - / - | 32 / 0.230 |
| <i>Subtotal: Recurring</i> | - / - | - / - | - / - | - / 0.086 | - / - | - / 0.086 | - / 0.086 | - / 0.058 | - / - | - / - | - / - | - / 0.230 |
| <i>Subtotal: Swashplate Actuator Mod</i> | - / - | - / - | - / - | - / 0.086 | - / - | - / 0.086 | - / 0.086 | - / 0.058 | - / - | - / - | - / - | - / 0.230 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | | | | Date: March 2014 | | | |
|--|--------------------------------|--------------------------------|--------------------------------|--|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|---|--------------------------------|--------------------------------|--|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | | P-1 Line Item Number / Title: V02200 / CV-22 Mods | | | | | | Modification Number / Title: 8790 / Block 20 Upgrade | | | |
| Models of Systems Affected: CV-22 | | | | Modification Type: Capability Improvement | | | | Related RDT&E PEs: 0401318F | | | | | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total | |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | |
| Modification Item 37 of 37: VFG Reliability Improvement Kits | | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| VFG Reliability Improvement Kits:INSTALL KITS Group A (Active) | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 8 / 1.600 | 8 / 1.600 | 34 / 7.140 | 50 / 10.340 | |
| Subtotal: Recurring | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 1.600 | - / 1.600 | - / 7.140 | - / 10.340 | |
| Subtotal: VFG Reliability Improvement Kits | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 1.600 | - / 1.600 | - / 7.140 | - / 10.340 | |
| Subtotal: Procurement, All Modification Items | - / 17.250 | - / 8.635 | - / 9.330 | - / 25.943 | - / - | - / 25.943 | - / 23.762 | - / 35.512 | - / 30.648 | - / 30.181 | - / 62.544 | - / 243.805 | |
| Support (All Modification Items) | | | | | | | | | | | | | |
| GROUP A: TOTAL NONRECURRING | - / - | - / - | - / 13.297 | - / 18.904 | - / - | - / 18.904 | - / 19.759 | - / 11.904 | - / 12.142 | - / 12.585 | - / 39.277 | - / 117.868 | |
| Data | - / - | - / - | - / - | - / 12.500 | - / - | - / 12.500 | - / 12.318 | - / 12.500 | - / - | - / - | - / - | - / 17.318 | |
| SIM/TRAINER | 0 / 0.919 | 8 / 7.216 | 2 / 1.907 | 6 / 13.632 | - / - | 6 / 13.632 | 5 / 8.877 | 3 / 4.580 | 4 / 12.510 | 4 / 12.772 | 4 / 12.628 | 36 / 75.041 | |
| SUPPORT-EQUIP | - / - | - / - | - / 10.153 | - / 12.360 | - / - | - / 12.360 | - / 12.000 | - / 2.666 | - / 2.033 | - / 12.173 | - / 17.107 | - / 18.492 | |
| OTHER GOVT | - / 0.577 | - / - | - / 10.944 | - / 14.522 | - / - | - / 14.522 | - / 17.879 | - / 9.897 | - / 10.230 | - / 10.296 | - / 33.952 | - / 78.297 | |
| Subtotal: Support | 0 / 1.496 | 8 / 7.216 | 2 / 6.301 | 6 / 41.918 | - / - | 6 / 41.918 | 5 / 40.833 | 3 / 31.547 | 4 / 36.915 | 4 / 37.826 | 4 / 92.964 | 36 / 297.016 | |
| Installation | | | | | | | | | | | | | |
| Modification Item 1 of 37: AC Bus Tie Impr | - / - | - / - | - / - | - / - | - / - | - / - | 20 / 0.200 | 22 / 0.220 | - / - | - / - | - / - | 42 / 0.420 | |
| Modification Item 3 of 37: Cock Pit Voice Recorder Kits | - / - | - / - | - / - | 15 / 0.060 | - / - | 15 / 0.060 | 15 / 0.060 | 15 / 0.060 | 5 / 0.020 | - / - | - / - | 50 / 0.200 | |
| Modification Item 4 of 37: ECP 1001 Gimbal Ring Joint Redesign Kits | - / - | - / - | - / - | - / - | - / - | - / - | 10 / 0.418 | 12 / 0.502 | 12 / 0.502 | 6 / 0.251 | - / - | 40 / 1.673 | |
| Modification Item 5 of 37: ECP 1020 Rudder Reliability Kits | - / - | - / - | - / - | 12 / 0.275 | - / - | 12 / 0.275 | 12 / 0.275 | 12 / 0.275 | 8 / 0.183 | - / - | - / - | 44 / 1.008 | |
| Modification Item 6 of 37: ECP 1041 BLOS Kits | - / - | - / - | - / - | - / - | - / - | - / - | 8 / 0.368 | 8 / 0.368 | 8 / 0.368 | 8 / 0.368 | 16 / 0.736 | 48 / 2.208 | |
| Modification Item 8 of 37: ECP 866R1 Gen 5 Radio Kits | - / - | - / - | - / - | 13 / 0.130 | - / - | 13 / 0.130 | 13 / 0.130 | 7 / 0.071 | 6 / 0.061 | - / - | - / - | 39 / 0.392 | |
| Modification Item 9 of 37: ECP 869 Nose Landing Gear | - / - | - / - | - / - | 14 / 0.098 | - / - | 14 / 0.098 | - / - | 2 / 0.014 | - / - | - / - | - / - | 16 / 0.112 | |
| Modification Item 10 of 37: ECP 873 MCOI Kits | - / - | - / - | - / - | - / - | - / - | - / - | 8 / 0.360 | 8 / 0.360 | 8 / 0.360 | 8 / 0.360 | 11 / 0.495 | 43 / 1.935 | |
| Modification Item 11 of 37: ECP 901 Blk C Kits | - / - | 4 / 0.690 | 3 / 0.535 | 8 / 1.146 | - / - | 8 / 1.146 | 6 / 0.860 | - / - | - / - | - / - | - / - | 21 / 3.231 | |
| Modification Item 12 of 37: ECP 901 Co-Site Kits | - / - | 4 / 0.222 | 11 / 0.543 | - / - | - / - | - / - | 8 / 0.378 | 8 / 0.385 | 3 / 0.147 | - / - | - / - | 34 / 1.675 | |
| Modification Item 13 of 37: ECP 901R2 Antenna Mounting Kits | - / - | - / - | 7 / 0.050 | 8 / 0.050 | - / - | 8 / 0.050 | - / - | - / - | - / - | - / - | - / - | 15 / 0.100 | |
| Modification Item 14 of 37: ECP 901R2 Troop Commander Panel Kits | - / - | - / - | 7 / 0.044 | 8 / 0.064 | - / - | 8 / 0.064 | 5 / 0.030 | - / - | - / - | - / - | - / - | 20 / 0.138 | |
| Modification Item 15 of 37: ECP 906 Fuel Jettison Kits | - / - | 9 / 1.288 | 9 / 1.181 | 8 / 2.497 | - / - | 8 / 2.497 | - / - | - / - | - / - | - / - | - / - | 26 / 4.966 | |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | | | | | Date: March 2014 | | |
|--|---------------------------------------|---------------------------------------|---------------------------------------|---|---------------------------------------|---------------------------------------|---------------------------------------|--|---------------------------------------|--|---------------------------------------|---------------------------------------|
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | | P-1 Line Item Number / Title: V02200 / CV-22 Mods | | | | | | Modification Number / Title: 8790 / Block 20 Upgrade | | |
| Models of Systems Affected: CV-22 | | | | Modification Type: Capability Improvement | | | | Related RDT&E PEs: 0401318F | | | | |
| Financial Plan | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
| | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> |
| Modification Item 16 of 37: ECP 915 Wiring Harness Kits | - / - | - / - | - / - | 11 / 0.431 | - / - | 11 / 0.431 | - / - | - / - | - / - | - / - | - / - | 11 / 0.431 |
| Modification Item 17 of 37: ECP 922 CFG Redesign | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 6 / 0.934 | 9 / 1.401 | 35 / 5.448 | 50 / 7.783 |
| Modification Item 18 of 37: ECP 929 Drive Tube Kits | - / - | - / - | - / - | - / - | - / - | - / - | 7 / 0.070 | 7 / 0.070 | 7 / 0.070 | 7 / 0.070 | 7 / 0.070 | 35 / 0.350 |
| Modification Item 20 of 37: ECP 987 Differential Pressure Indicator Kits | - / - | - / - | - / - | 9 / 0.045 | - / - | 9 / 0.045 | 9 / 0.045 | 10 / 0.050 | 9 / 0.045 | - / - | - / - | 37 / 0.185 |
| Modification Item 21 of 37: ECP 992 PRGB Input Quill Wavespring/BUMP Face Spacer Kits | - / - | - / - | - / - | 6 / 0.044 | - / - | 6 / 0.044 | 6 / 0.044 | 6 / 0.044 | - / - | - / - | - / - | 18 / 0.132 |
| Modification Item 22 of 37: ECP XXX SLIM MFD Kits | - / - | - / - | - / - | - / - | - / - | - / - | 8 / 0.360 | 8 / 0.360 | 8 / 0.360 | 8 / 0.360 | 11 / 0.495 | 43 / 1.935 |
| Modification Item 23 of 37: ECP901R2 Beefy Cables Retrofit Kits | - / - | - / - | 7 / 0.141 | 8 / 0.156 | - / - | 8 / 0.156 | 11 / 0.083 | - / - | - / - | - / - | - / - | 26 / 0.380 |
| Modification Item 24 of 37: ECP901R2 Satcom Egg Beater Antenna Kits | - / - | - / - | 7 / 0.024 | 8 / 0.018 | - / - | 8 / 0.018 | 12 / 0.024 | - / - | - / - | - / - | - / - | 27 / 0.066 |
| Modification Item 30 of 37: Improved Inlet Solution | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 4 / 0.400 | 8 / 0.800 | 9 / 0.900 | 29 / 2.900 | 50 / 5.000 |
| Modification Item 33 of 37: Life Limited Airframe Components Impr | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 2 / 0.360 | 3 / 0.540 | 3 / 0.540 | 42 / 7.560 | 50 / 9.000 |
| Modification Item 35 of 37: Prop Rotor Hub Spring & Drive Link Impr | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 12 / 0.208 | 38 / 0.659 | 50 / 0.867 |
| Modification Item 36 of 37: Swashplate Actuator Mod | - / - | - / - | - / - | - / - | - / - | - / - | 12 / 0.071 | 12 / 0.074 | 8 / 0.047 | - / - | - / - | 32 / 0.192 |
| Modification Item 37 of 37: VFG Reliability Improvement Kits | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 8 / 0.922 | 42 / 4.839 | 50 / 5.761 |
| Subtotal: Installation | - / - | 17 / 2.200 | 51 / 2.518 | 128 / 5.014 | - / - | 128 / 5.014 | 170 / 3.776 | 143 / 3.613 | 99 / 4.437 | 78 / 5.380 | 231 / 23.202 | 917 / 50.140 |
| Total | | | | | | | | | | | | |
| Total Cost (Procurement + Support + Installation) | 18.746 | 18.051 | 18.149 | 72.875 | - | 72.875 | 68.371 | 70.672 | 72.000 | 73.387 | 178.710 | 590.961 |

UNCLASSIFIED

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: V02200 / CV-22 Mods | Modification Number / Title: 8790 / Block 20 Upgrade |

Modification Item 1 of 37: AC Bus Tie Impr

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Bell-Boeing Manufacturer Location: Amarillo TX

Administrative Leadtime (in Months): 5 Production Leadtime (in Months): 12

| Dates | FY 2013 | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|----------------|---------|---------|----------|----------|---------|---------|---------|
| Contract Dates | | | Mar 2015 | Mar 2016 | | | |
| Delivery Dates | | | Mar 2016 | Mar 2017 | | | |

Installation Information

Method of Implementation: Contract Field Team

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2013 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - | 20 / 0.200 | - / - | - / - | - / - | - / - | 20 / 0.200 |
| FY 2016 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 22 / 0.220 | - / - | - / - | - / - | 22 / 0.220 |
| FY 2017 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2018 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2019 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| To Complete | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | - / - | - / - | - / - | - / - | - / - | - / - | 20 / 0.200 | 22 / 0.220 | - / - | - / - | - / - | 42 / 0.420 |

Installation Schedule

| | PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | | FY 2016 | | | | FY 2017 | | | | FY 2018 | | | | FY 2019 | | | | TC | Tot | | | | | |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|---|---|---|---|----|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | | | | | | |
| In | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 9 | 9 | - | 2 | 10 | 10 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 42 |
| Out | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 6 | 6 | 6 | 6 | 6 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 42 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | Date: March 2014 | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | P-1 Line Item Number / Title: V02200 / CV-22 Mods | | | Modification Number / Title: 8790 / Block 20 Upgrade | |
| Modification Item 2 of 37: Auto Dependent Surveillance-Broadcast ADSB/Out | | | | | | | |
| Modification Item MDAP/MAIS Code: | | | | | | | |
| Manufacturer Information | | | | | | | |
| Manufacturer Name: Bell-Boeing | | | | Manufacturer Location: Amarillo TX | | | |
| Administrative Leadtime (<i>in Months</i>): 5 | | | | Production Leadtime (<i>in Months</i>): 12 | | | |
| Dates | FY 2013 | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
| Contract Dates | | | | | Mar 2017 | Jan 2018 | Jan 2019 |
| Delivery Dates | | | | | Mar 2018 | Jan 2019 | Jan 2020 |
| Installation Information | | | | | | | |
| Method of Implementation (Organic): Org/Intermediate | | | | | | Installation Quantity: 50 | |
| | | | | | | | |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | Date: March 2014 |
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| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: V02200 / CV-22 Mods | Modification Number / Title: 8790 / Block 20 Upgrade |
|---|---|--|

Modification Item 3 of 37: Cock Pit Voice Recorder Kits

Modification Item MDAP/MAIS Code:

Manufacturer Information

| | |
|--------------------------------|------------------------------------|
| Manufacturer Name: Bell-Boeing | Manufacturer Location: Amarillo TX |
|--------------------------------|------------------------------------|

| | |
|--|-------------------------------------|
| Administrative Leadtime (in Months): 5 | Production Leadtime (in Months): 12 |
|--|-------------------------------------|

| Dates | FY 2013 | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|----------------|---------|----------|----------|----------|----------|---------|---------|
| Contract Dates | | Aug 2014 | Mar 2015 | Mar 2016 | Mar 2017 | | |
| Delivery Dates | | Aug 2015 | Mar 2016 | Mar 2017 | Mar 2018 | | |

Installation Information

Method of Implementation: Contract Field Team

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2013 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | - / - | 15 / 0.060 | - / - | 15 / 0.060 | - / - | - / - | - / - | - / - | - / - | 15 / 0.060 |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - | 15 / 0.060 | - / - | - / - | - / - | - / - | 15 / 0.060 |
| FY 2016 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 15 / 0.060 | - / - | - / - | - / - | 15 / 0.060 |
| FY 2017 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 5 / 0.020 | - / - | - / - | 5 / 0.020 |
| FY 2018 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2019 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| To Complete | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | - / - | - / - | - / - | 15 / 0.060 | - / - | 15 / 0.060 | 15 / 0.060 | 15 / 0.060 | 5 / 0.020 | - / - | - / - | 50 / 0.200 |

Installation Schedule

| | PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | | FY 2016 | | | | FY 2017 | | | | FY 2018 | | | | FY 2019 | | | | TC | Tot | | | | | | | | | |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|---|---|---|---|---|---|----|---|----|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | | | | | | | | | | |
| In | 0 | - | - | - | - | - | - | - | - | - | - | 7 | 8 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 50 | | |
| Out | 0 | - | - | - | - | - | - | - | - | - | - | - | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 50 |

UNCLASSIFIED

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: V02200 / CV-22 Mods | Modification Number / Title: 8790 / Block 20 Upgrade |

Modification Item 4 of 37: ECP 1001 Gimbal Ring Joint Redesign Kits

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Bell-Boeing Manufacturer Location: Amarillo TX

Administrative Leadtime (in Months): 5 Production Leadtime (in Months): 12

| Dates | FY 2013 | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|----------------|---------|---------|----------|----------|----------|----------|---------|
| Contract Dates | | | Mar 2015 | Dec 2015 | Dec 2016 | Dec 2017 | |
| Delivery Dates | | | Mar 2016 | Dec 2016 | Dec 2017 | Dec 2018 | |

Installation Information

Method of Implementation: Contract Field Team

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2013 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - | 10 / 0.418 | - / - | - / - | - / - | - / - | 10 / 0.418 |
| FY 2016 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 12 / 0.502 | - / - | - / - | - / - | 12 / 0.502 |
| FY 2017 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 12 / 0.502 | - / - | - / - | 12 / 0.502 |
| FY 2018 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 6 / 0.251 | - / - | 6 / 0.251 |
| FY 2019 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| To Complete | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | - / - | - / - | - / - | - / - | - / - | - / - | 10 / 0.418 | 12 / 0.502 | 12 / 0.502 | 6 / 0.251 | - / - | 40 / 1.673 |

Installation Schedule

| | PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | | FY 2016 | | | | FY 2017 | | | | FY 2018 | | | | FY 2019 | | | | TC | Tot |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | |
| In | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5 | 5 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | - | - | 40 |
| Out | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 40 |

UNCLASSIFIED

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: V02200 / CV-22 Mods | Modification Number / Title: 8790 / Block 20 Upgrade |

Modification Item 5 of 37: ECP 1020 Rudder Reliability Kits

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Bell-Boeing Manufacturer Location: Amarillo TX

Administrative Leadtime (in Months): 7 Production Leadtime (in Months): 12

| Dates | FY 2013 | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|----------------|---------|----------|----------|----------|----------|---------|---------|
| Contract Dates | | May 2014 | Dec 2014 | Dec 2015 | Dec 2016 | | |
| Delivery Dates | | May 2015 | Dec 2015 | Dec 2016 | Dec 2017 | | |

Installation Information

Method of Implementation: Contract Field Team

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2013 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | - / - | 12 / 0.275 | - / - | 12 / 0.275 | - / - | - / - | - / - | - / - | - / - | 12 / 0.275 |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - | 12 / 0.275 | - / - | - / - | - / - | - / - | 12 / 0.275 |
| FY 2016 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 12 / 0.275 | - / - | - / - | - / - | 12 / 0.275 |
| FY 2017 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 8 / 0.183 | - / - | - / - | 8 / 0.183 |
| FY 2018 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2019 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| To Complete | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | - / - | - / - | - / - | 12 / 0.275 | - / - | 12 / 0.275 | 12 / 0.275 | 12 / 0.275 | 8 / 0.183 | - / - | - / - | 44 / 1.008 |

Installation Schedule

| | PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | | FY 2016 | | | | FY 2017 | | | | FY 2018 | | | | FY 2019 | | | | TC | Tot |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | |
| In | 0 | - | - | - | - | - | - | - | - | - | - | 4 | 8 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | - | - | - | - | - | 44 |
| Out | 0 | - | - | - | - | - | - | - | - | - | - | - | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | - | - | - | 44 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: V02200 / CV-22 Mods | Modification Number / Title: 8790 / Block 20 Upgrade |

Modification Item 6 of 37: ECP 1041 BLOS Kits

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Bell-Boeing Manufacturer Location: Amarillo TX

Administrative Leadtime (in Months): 6 Production Leadtime (in Months): 12

| Dates | FY 2013 | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|----------------|---------|---------|----------|----------|----------|----------|----------|
| Contract Dates | | | Apr 2015 | Dec 2015 | Dec 2016 | Dec 2017 | Dec 2018 |
| Delivery Dates | | | Apr 2016 | Dec 2016 | Dec 2017 | Dec 2018 | Dec 2019 |

Installation Information

Method of Implementation: Contract Field Team

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2013 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - | 8 / 0.368 | - / - | - / - | - / - | - / - | 8 / 0.368 |
| FY 2016 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 8 / 0.368 | - / - | - / - | - / - | 8 / 0.368 |
| FY 2017 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 8 / 0.368 | - / - | - / - | 8 / 0.368 |
| FY 2018 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 8 / 0.368 | - / - | 8 / 0.368 |
| FY 2019 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 8 / 0.368 | 8 / 0.368 |
| To Complete | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 8 / 0.368 | 8 / 0.368 |
| Total | - / - | - / - | - / - | - / - | - / - | - / - | 8 / 0.368 | 8 / 0.368 | 8 / 0.368 | 8 / 0.368 | 16 / 0.736 | 48 / 2.208 |

Installation Schedule

| | PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | | FY 2016 | | | | FY 2017 | | | | FY 2018 | | | | FY 2019 | | | | TC | Tot |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | |
| In | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 4 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 16 | 48 |
| Out | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 22 | 48 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | Date: March 2014 | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | P-1 Line Item Number / Title: V02200 / CV-22 Mods | | Modification Number / Title: 8790 / Block 20 Upgrade | | |
| Modification Item 7 of 37: ECP 527R1 Emergency O2 Bottle Gauge Kits | | | | | | | |
| Modification Item MDAP/MAIS Code: | | | | | | | |
| Manufacturer Information | | | | | | | |
| Manufacturer Name: Bell-Boeing | | | | Manufacturer Location: Amarillo TX | | | |
| Administrative Leadtime (<i>in Months</i>): 6 | | | | Production Leadtime (<i>in Months</i>): 3 | | | |
| Dates | FY 2013 | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
| Contract Dates | | Jul 2014 | Jul 2015 | Jul 2016 | | | |
| Delivery Dates | | Oct 2014 | Oct 2015 | Oct 2016 | | | |
| Installation Information | | | | | | | |
| Method of Implementation (Organic): Org/Intermediate | | | | | Installation Quantity: 63 | | |
| | | | | | | | |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: V02200 / CV-22 Mods | Modification Number / Title: 8790 / Block 20 Upgrade |

Modification Item 8 of 37: ECP 866R1 Gen 5 Radio Kits

Modification Item MDAP/MAIS Code:

Manufacturer Information

| | | | | | | | |
|--|----------------|----------------|----------------|-------------------------------------|----------------|----------------|----------------|
| Manufacturer Name: Bell-Boeing | | | | Manufacturer Location: Amarillo TX | | | |
| Administrative Leadtime (in Months): 2 | | | | Production Leadtime (in Months): 12 | | | |
| Dates | FY 2013 | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
| Contract Dates | | Dec 2013 | Dec 2014 | | | | |
| Delivery Dates | | Dec 2014 | Dec 2015 | | | | |

Installation Information

Method of Implementation: Contract Field Team

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2013 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | - / - | 13 / 0.130 | - / - | 13 / 0.130 | - / - | - / - | - / - | - / - | - / - | 13 / 0.130 |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - | 13 / 0.130 | - / - | - / - | - / - | - / - | 13 / 0.130 |
| FY 2016 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 7 / 0.071 | - / - | - / - | - / - | 7 / 0.071 |
| FY 2017 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 6 / 0.061 | - / - | - / - | 6 / 0.061 |
| FY 2018 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2019 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| To Complete | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | - / - | - / - | - / - | 13 / 0.130 | - / - | 13 / 0.130 | 13 / 0.130 | 7 / 0.071 | 6 / 0.061 | - / - | - / - | 39 / 0.392 |

Installation Schedule

| | PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | | FY 2016 | | | | FY 2017 | | | | FY 2018 | | | | FY 2019 | | | | TC | Tot |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | |
| In | 0 | - | - | - | - | - | - | - | - | - | 4 | 4 | 5 | 3 | 3 | 3 | 4 | 2 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | - | - | - | - | - | 39 |
| Out | 0 | - | - | - | - | - | - | - | - | - | - | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | - | - | - | - | 39 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: V02200 / CV-22 Mods | Modification Number / Title: 8790 / Block 20 Upgrade |

Modification Item 9 of 37: ECP 869 Nose Landing Gear

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Bell-Boeing Manufacturer Location: Amarillo TX

Administrative Leadtime (in Months): 8 Production Leadtime (in Months): 4

| Dates | FY 2013 | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|----------------|---------|----------|---------|----------|---------|---------|---------|
| Contract Dates | | Jun 2014 | | Jun 2016 | | | |
| Delivery Dates | | Oct 2014 | | Jan 2017 | | | |

Installation Information

Method of Implementation: Contractor Facility

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2013 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | - / - | 14 / 0.098 | - / - | 14 / 0.098 | - / - | - / - | - / - | - / - | - / - | 14 / 0.098 |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2016 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 2 / 0.014 | - / - | - / - | - / - | 2 / 0.014 |
| FY 2017 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2018 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2019 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| To Complete | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | - / - | - / - | - / - | 14 / 0.098 | - / - | 14 / 0.098 | - / - | 2 / 0.014 | - / - | - / - | - / - | 16 / 0.112 |

Installation Schedule

| | PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | | FY 2016 | | | | FY 2017 | | | | FY 2018 | | | | FY 2019 | | | | TC | Tot | | | | |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|---|---|---|---|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | | | | | |
| In | 0 | - | - | - | - | - | - | - | - | 2 | 3 | 4 | 5 | - | - | - | - | - | 1 | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Out | 0 | - | - | - | - | - | - | - | - | - | 2 | 3 | 3 | 3 | 3 | - | - | - | - | 1 | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - |

UNCLASSIFIED

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: V02200 / CV-22 Mods | Modification Number / Title: 8790 / Block 20 Upgrade |

Modification Item 10 of 37: ECP 873 MCOI Kits

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Bell-Boeing Manufacturer Location: Amarillo TX

Administrative Leadtime (in Months): 6 Production Leadtime (in Months): 12

| Dates | FY 2013 | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|----------------|---------|---------|----------|----------|----------|----------|----------|
| Contract Dates | | | Apr 2015 | Dec 2015 | Dec 2016 | Dec 2017 | Dec 2018 |
| Delivery Dates | | | Apr 2016 | Dec 2016 | Dec 2017 | Dec 2018 | Dec 2019 |

Installation Information

Method of Implementation: Contract Field Team

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2013 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - | 8 / 0.360 | - / - | - / - | - / - | - / - | 8 / 0.360 |
| FY 2016 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 8 / 0.360 | - / - | - / - | - / - | 8 / 0.360 |
| FY 2017 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 8 / 0.360 | - / - | - / - | 8 / 0.360 |
| FY 2018 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 8 / 0.360 | - / - | 8 / 0.360 |
| FY 2019 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 7 / 0.315 | 7 / 0.315 |
| To Complete | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 4 / 0.180 | 4 / 0.180 |
| Total | - / - | - / - | - / - | - / - | - / - | - / - | 8 / 0.360 | 8 / 0.360 | 8 / 0.360 | 8 / 0.360 | 11 / 0.495 | 43 / 1.935 |

Installation Schedule

| | PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | | FY 2016 | | | | FY 2017 | | | | FY 2018 | | | | FY 2019 | | | | TC | Tot |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | |
| In | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 4 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 11 | 43 |
| Out | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 17 | 43 |

UNCLASSIFIED

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: V02200 / CV-22 Mods | Modification Number / Title: 8790 / Block 20 Upgrade |

Modification Item 11 of 37: ECP 901 Blk C Kits

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Bell-Boeing Manufacturer Location: Amarillo TX

Administrative Leadtime (in Months): 2 Production Leadtime (in Months): 12

| Dates | FY 2013 | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|----------------|----------|---------|----------|---------|---------|---------|---------|
| Contract Dates | Jun 2013 | | Dec 2014 | | | | |
| Delivery Dates | Jun 2014 | | Dec 2015 | | | | |

Installation Information

Method of Implementation: Contract Field Team

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | - / - | 4 / 0.690 | 3 / 0.535 | 1 / 0.190 | - / - | 1 / 0.190 | - / - | - / - | - / - | - / - | - / - | 8 / 1.415 |
| FY 2013 | - / - | - / - | - / - | 7 / 0.956 | - / - | 7 / 0.956 | - / - | - / - | - / - | - / - | - / - | 7 / 0.956 |
| FY 2014 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - | 6 / 0.860 | - / - | - / - | - / - | - / - | 6 / 0.860 |
| FY 2016 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2017 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2018 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2019 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| To Complete | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | - / - | 4 / 0.690 | 3 / 0.535 | 8 / 1.146 | - / - | 8 / 1.146 | 6 / 0.860 | - / - | - / - | - / - | - / - | 21 / 3.231 |

Installation Schedule

| | PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | | FY 2016 | | | | FY 2017 | | | | FY 2018 | | | | FY 2019 | | | | TC | Tot | | | | |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|---|---|---|---|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | | | | | |
| In | 0 | - | - | - | 4 | 1 | 1 | 1 | - | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Out | 0 | - | - | - | - | 2 | 2 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: V02200 / CV-22 Mods | Modification Number / Title: 8790 / Block 20 Upgrade |

Modification Item 12 of 37: ECP 901 Co-Site Kits

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Bell-Boeing Manufacturer Location: Amarillo TX

Administrative Leadtime (in Months): 2 Production Leadtime (in Months): 12

| Dates | FY 2013 | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|----------------|---------|---------|----------|----------|----------|---------|---------|
| Contract Dates | | | Dec 2014 | Dec 2015 | Dec 2016 | | |
| Delivery Dates | | | Dec 2015 | Dec 2016 | Dec 2017 | | |

Installation Information

Method of Implementation: Contract Field Team

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | - / - | 4 / 0.222 | 11 / 0.543 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 15 / 0.765 |
| FY 2013 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - | 8 / 0.378 | - / - | - / - | - / - | - / - | 8 / 0.378 |
| FY 2016 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 8 / 0.385 | - / - | - / - | - / - | 8 / 0.385 |
| FY 2017 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 3 / 0.147 | - / - | - / - | 3 / 0.147 |
| FY 2018 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2019 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| To Complete | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | - / - | 4 / 0.222 | 11 / 0.543 | - / - | - / - | - / - | 8 / 0.378 | 8 / 0.385 | 3 / 0.147 | - / - | - / - | 34 / 1.675 |

Installation Schedule

| | PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | | FY 2016 | | | | FY 2017 | | | | FY 2018 | | | | FY 2019 | | | | TC | Tot | | | | | |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|----|---|---|---|----|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | | | | | | |
| In | 0 | - | - | - | 4 | 3 | 3 | 3 | 2 | - | - | - | - | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | - | - | - | - | - | - | - | 34 | | | | |
| Out | 0 | - | - | - | - | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | - | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | - | - | - | - | - | - | 34 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: V02200 / CV-22 Mods | Modification Number / Title: 8790 / Block 20 Upgrade |

Modification Item 13 of 37: ECP 901R2 Antenna Mounting Kits

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Bell-Boeing Manufacturer Location: Amarillo TX

Administrative Leadtime (in Months): 2 Production Leadtime (in Months): 12

| Dates | FY 2013 | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|----------------|----------|----------|----------|---------|---------|---------|---------|
| Contract Dates | Apr 2013 | Dec 2013 | Dec 2014 | | | | |
| Delivery Dates | Feb 2014 | Dec 2014 | Dec 2015 | | | | |

Installation Information

Method of Implementation: Contract Field Team

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2013 | - / - | - / - | 7 / 0.050 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 7 / 0.050 |
| FY 2014 | - / - | - / - | - / - | 8 / 0.050 | - / - | 8 / 0.050 | - / - | - / - | - / - | - / - | - / - | 8 / 0.050 |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2016 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2017 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2018 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2019 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| To Complete | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | - / - | - / - | 7 / 0.050 | 8 / 0.050 | - / - | 8 / 0.050 | - / - | - / - | - / - | - / - | - / - | 15 / 0.100 |

Installation Schedule

| | PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | | FY 2016 | | | | FY 2017 | | | | FY 2018 | | | | FY 2019 | | | | TC | Tot | |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|---|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | | |
| In | 0 | - | - | - | - | - | 2 | 2 | 3 | 2 | 2 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Out | 0 | - | - | - | - | - | - | 2 | 2 | 3 | 2 | 2 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

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Exhibit P-3a, Individual Modification: PB 2015 Air Force **Date:** March 2014

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| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: V02200 / CV-22 Mods | Modification Number / Title: 8790 / Block 20 Upgrade |
|---|---|--|

Modification Item 14 of 37: ECP 901R2 Troop Commander Panel Kits

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Bell-Boeing Manufacturer Location: Amarillo TX

Administrative Leadtime (in Months): 2 Production Leadtime (in Months): 12

| Dates | FY 2013 | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|----------------|----------|----------|----------|---------|---------|---------|---------|
| Contract Dates | Apr 2013 | Dec 2013 | Dec 2014 | | | | |
| Delivery Dates | Feb 2014 | Dec 2014 | Dec 2015 | | | | |

Installation Information

Method of Implementation: Contract Field Team

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2013 | - / - | - / - | 7 / 0.044 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 7 / 0.044 |
| FY 2014 | - / - | - / - | - / - | 8 / 0.064 | - / - | 8 / 0.064 | - / - | - / - | - / - | - / - | - / - | 8 / 0.064 |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - | 5 / 0.030 | - / - | - / - | - / - | - / - | 5 / 0.030 |
| FY 2016 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2017 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2018 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2019 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| To Complete | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | - / - | - / - | 7 / 0.044 | 8 / 0.064 | - / - | 8 / 0.064 | 5 / 0.030 | - / - | - / - | - / - | - / - | 20 / 0.138 |

Installation Schedule

| | PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | | FY 2016 | | | | FY 2017 | | | | FY 2018 | | | | FY 2019 | | | | TC | Tot | | | | | | | | |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|---|---|---|---|---|---|---|---|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | | | | | | | | | |
| In | 0 | - | - | - | - | - | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Out | 0 | - | - | - | - | - | - | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: V02200 / CV-22 Mods | Modification Number / Title: 8790 / Block 20 Upgrade |

Modification Item 15 of 37: ECP 906 Fuel Jettison Kits

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Bell-Boeing Manufacturer Location: Amarillo TX

Administrative Leadtime (in Months): 6 Production Leadtime (in Months): 8

| Dates | FY 2013 | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|----------------|----------|----------|---------|---------|---------|---------|---------|
| Contract Dates | Apr 2013 | Apr 2014 | | | | | |
| Delivery Dates | Dec 2013 | Dec 2014 | | | | | |

Installation Information

Method of Implementation: Contract Field Team

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | - / - | 9 / 1.288 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 9 / 1.288 |
| FY 2013 | - / - | - / - | 9 / 1.181 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 9 / 1.181 |
| FY 2014 | - / - | - / - | - / - | 8 / 2.497 | - / - | 8 / 2.497 | - / - | - / - | - / - | - / - | - / - | 8 / 2.497 |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2016 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2017 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2018 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2019 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| To Complete | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | - / - | 9 / 1.288 | 9 / 1.181 | 8 / 2.497 | - / - | 8 / 2.497 | - / - | - / - | - / - | - / - | - / - | 26 / 4.966 |

Installation Schedule

| | PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | | FY 2016 | | | | FY 2017 | | | | FY 2018 | | | | FY 2019 | | | | TC | Tot | | | |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|---|---|----|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | | | | |
| In | 0 | - | - | 4 | 5 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 26 |
| Out | 0 | - | - | - | 4 | 4 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 26 |

UNCLASSIFIED

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: V02200 / CV-22 Mods | Modification Number / Title: 8790 / Block 20 Upgrade |

Modification Item 16 of 37: ECP 915 Wiring Harness Kits

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Bell-Boeing Manufacturer Location: Amarillo TX

Administrative Leadtime (in Months): 4 Production Leadtime (in Months): 3

| Dates | FY 2013 | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|----------------|---------|---------|----------|---------|---------|---------|---------|
| Contract Dates | | | Feb 2015 | | | | |
| Delivery Dates | | | May 2015 | | | | |

Installation Information

Method of Implementation: Contract Field Team

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2013 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2015 | - / - | - / - | - / - | 11 / 0.431 | - / - | 11 / 0.431 | - / - | - / - | - / - | - / - | - / - | 11 / 0.431 |
| FY 2016 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2017 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2018 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2019 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| To Complete | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | - / - | - / - | - / - | 11 / 0.431 | - / - | 11 / 0.431 | - / - | - / - | - / - | - / - | - / - | 11 / 0.431 |

Installation Schedule

| | PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | | FY 2016 | | | | FY 2017 | | | | FY 2018 | | | | FY 2019 | | | | TC | Tot | |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|---|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | | |
| In | 0 | - | - | - | - | - | - | - | - | - | - | 5 | 6 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Out | 0 | - | - | - | - | - | - | - | - | - | - | - | 3 | 3 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

UNCLASSIFIED

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | Date: March 2014 |
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| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: V02200 / CV-22 Mods | Modification Number / Title: 8790 / Block 20 Upgrade |
|---|---|--|

Modification Item 17 of 37: ECP 922 CFG Redesign

Modification Item MDAP/MAIS Code:

Manufacturer Information

| | |
|--------------------------------|------------------------------------|
| Manufacturer Name: Bell-Boeing | Manufacturer Location: Amarillo TX |
|--------------------------------|------------------------------------|

| | |
|--|-------------------------------------|
| Administrative Leadtime (in Months): 4 | Production Leadtime (in Months): 12 |
|--|-------------------------------------|

| Dates | FY 2013 | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|----------------|---------|---------|---------|---------|----------|----------|----------|
| Contract Dates | | | | | Feb 2017 | Dec 2017 | Dec 2018 |
| Delivery Dates | | | | | Feb 2018 | Dec 2018 | Dec 2019 |

Installation Information

Method of Implementation: Contract Field Team

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2013 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2016 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2017 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 6 / 0.934 | - / - | - / - | 6 / 0.934 |
| FY 2018 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 9 / 1.401 | - / - | 9 / 1.401 |
| FY 2019 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 10 / 1.557 | 10 / 1.557 |
| To Complete | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 25 / 3.891 | 25 / 3.891 |
| Total | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 6 / 0.934 | 9 / 1.401 | 35 / 5.448 | 50 / 7.783 |

Installation Schedule

| | PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | | FY 2016 | | | | FY 2017 | | | | FY 2018 | | | | FY 2019 | | | | TC | Tot |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | |
| In | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 35 | 50 |
| Out | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 2 | 2 | 2 | 2 | 38 | 50 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: V02200 / CV-22 Mods | Modification Number / Title: 8790 / Block 20 Upgrade |

Modification Item 18 of 37: ECP 929 Drive Tube Kits

Modification Item MDAP/MAIS Code:

Manufacturer Information

| | |
|--|------------------------------------|
| Manufacturer Name: Bell-Boeing | Manufacturer Location: Amarillo TX |
| Administrative Leadtime (in Months): 5 | Production Leadtime (in Months): 3 |

| Dates | FY 2013 | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|----------------|---------|---------|---------|----------|----------|----------|----------|
| Contract Dates | | | | Mar 2016 | Dec 2016 | Dec 2017 | Dec 2018 |
| Delivery Dates | | | | Jun 2016 | Mar 2017 | Mar 2018 | Mar 2019 |

Installation Information

Method of Implementation: Contract Field Team

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2013 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2016 | - / - | - / - | - / - | - / - | - / - | - / - | 7 / 0.070 | - / - | - / - | - / - | - / - | 7 / 0.070 |
| FY 2017 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 7 / 0.070 | - / - | - / - | - / - | 7 / 0.070 |
| FY 2018 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 7 / 0.070 | - / - | - / - | 7 / 0.070 |
| FY 2019 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 7 / 0.070 | - / - | 7 / 0.070 |
| To Complete | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 7 / 0.070 | 7 / 0.070 |
| Total | - / - | - / - | - / - | - / - | - / - | - / - | 7 / 0.070 | 7 / 0.070 | 7 / 0.070 | 7 / 0.070 | 7 / 0.070 | 35 / 0.350 |

Installation Schedule

| | PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | | FY 2016 | | | | FY 2017 | | | | FY 2018 | | | | FY 2019 | | | | TC | Tot |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | |
| In | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 5 | - | 1 | 3 | 3 | - | 1 | 3 | 3 | - | 1 | 3 | 3 | 7 | 35 |
| Out | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 9 | 35 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | Date: March 2014 | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | P-1 Line Item Number / Title: V02200 / CV-22 Mods | | Modification Number / Title: 8790 / Block 20 Upgrade | | |
| Modification Item 19 of 37: ECP 935 Mode 5 APX-119 Kits | | | | | | | |
| Modification Item MDAP/MAIS Code: | | | | | | | |
| Manufacturer Information | | | | | | | |
| Manufacturer Name: Bell-Boeing | | | | Manufacturer Location: Amarillo TX | | | |
| Administrative Leadtime (<i>in Months</i>): 5 | | | | Production Leadtime (<i>in Months</i>): 1 | | | |
| Dates | FY 2013 | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
| Contract Dates | | Mar 2014 | Mar 2015 | | | | |
| Delivery Dates | | Apr 2014 | Apr 2015 | | | | |
| Installation Information | | | | | | | |
| Method of Implementation (Organic): Org/Intermediate | | | | | Installation Quantity: 25 | | |
| | | | | | | | |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: V02200 / CV-22 Mods | Modification Number / Title: 8790 / Block 20 Upgrade |

Modification Item 20 of 37: ECP 987 Differential Pressure Indicator Kits

Modification Item MDAP/MAIS Code:

Manufacturer Information

| | |
|--|-------------------------------------|
| Manufacturer Name: Bell-Boeing | Manufacturer Location: Amarillo TX |
| Administrative Leadtime (in Months): 5 | Production Leadtime (in Months): 12 |

| Dates | FY 2013 | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|----------------|---------|----------|----------|----------|----------|----------|---------|
| Contract Dates | | May 2014 | Dec 2014 | Dec 2015 | Dec 2016 | Dec 2017 | |
| Delivery Dates | | May 2015 | Dec 2015 | Dec 2016 | Dec 2017 | Dec 2018 | |

Installation Information

Method of Implementation: Contract Field Team

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2013 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | - / - | 9 / 0.045 | - / - | 9 / 0.045 | - / - | - / - | - / - | - / - | - / - | 9 / 0.045 |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - | 9 / 0.045 | - / - | - / - | - / - | - / - | 9 / 0.045 |
| FY 2016 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 10 / 0.050 | - / - | - / - | - / - | 10 / 0.050 |
| FY 2017 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 9 / 0.045 | - / - | - / - | 9 / 0.045 |
| FY 2018 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2019 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| To Complete | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | - / - | - / - | - / - | 9 / 0.045 | - / - | 9 / 0.045 | 9 / 0.045 | 10 / 0.050 | 9 / 0.045 | - / - | - / - | 37 / 0.185 |

Installation Schedule

| | PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | | FY 2016 | | | | FY 2017 | | | | FY 2018 | | | | FY 2019 | | | | TC | Tot |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | |
| In | 0 | - | - | - | - | - | - | - | - | - | 1 | 4 | 4 | 2 | 2 | 2 | 3 | 2 | 3 | 2 | 3 | 2 | 2 | 2 | 3 | - | - | - | - | - | 37 |
| Out | 0 | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 3 | 3 | 2 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | - | - | - | - | 37 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: V02200 / CV-22 Mods | Modification Number / Title: 8790 / Block 20 Upgrade |

Modification Item 21 of 37: ECP 992 PRGB Input Quill Wavespring/BUMP Face Spacer Kits

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Bell-Boeing Manufacturer Location: Amarillo TX

Administrative Leadtime (in Months): 3 Production Leadtime (in Months): 12

| Dates | FY 2013 | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|----------------|---------|----------|----------|----------|---------|---------|---------|
| Contract Dates | | Jun 2014 | Jan 2015 | Jan 2016 | | | |
| Delivery Dates | | Jun 2015 | Jan 2016 | Jan 2017 | | | |

Installation Information

Method of Implementation: Contract Field Team

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2013 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | - / - | 6 / 0.044 | - / - | 6 / 0.044 | - / - | - / - | - / - | - / - | - / - | 6 / 0.044 |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - | 6 / 0.044 | - / - | - / - | - / - | - / - | 6 / 0.044 |
| FY 2016 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 6 / 0.044 | - / - | - / - | - / - | 6 / 0.044 |
| FY 2017 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2018 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2019 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| To Complete | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | - / - | - / - | - / - | 6 / 0.044 | - / - | 6 / 0.044 | 6 / 0.044 | 6 / 0.044 | - / - | - / - | - / - | 18 / 0.132 |

Installation Schedule

| | PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | | FY 2016 | | | | FY 2017 | | | | FY 2018 | | | | FY 2019 | | | | TC | Tot |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | |
| In | 0 | - | - | - | - | - | - | - | - | - | - | 2 | 4 | - | 2 | 2 | 2 | - | 2 | 2 | 2 | - | - | - | - | - | - | - | - | - | - |
| Out | 0 | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | - | - | - | - | - | - | - | - | - |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: V02200 / CV-22 Mods | Modification Number / Title: 8790 / Block 20 Upgrade |

Modification Item 24 of 37: ECP901R2 Satcom Egg Beater Antenna Kits

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Bell-Boeing Manufacturer Location: Amarillo TX

Administrative Leadtime (in Months): 2 Production Leadtime (in Months): 12

| Dates | FY 2013 | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|----------------|----------|----------|----------|---------|---------|---------|---------|
| Contract Dates | Apr 2013 | Dec 2013 | Dec 2014 | | | | |
| Delivery Dates | Feb 2014 | Dec 2014 | Dec 2015 | | | | |

Installation Information

Method of Implementation: Contract Field Team

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2013 | - / - | - / - | 7 / 0.024 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 7 / 0.024 |
| FY 2014 | - / - | - / - | - / - | 8 / 0.018 | - / - | 8 / 0.018 | - / - | - / - | - / - | - / - | - / - | 8 / 0.018 |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - | 12 / 0.024 | - / - | - / - | - / - | - / - | 12 / 0.024 |
| FY 2016 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2017 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2018 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2019 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| To Complete | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | - / - | - / - | 7 / 0.024 | 8 / 0.018 | - / - | 8 / 0.018 | 12 / 0.024 | - / - | - / - | - / - | - / - | 27 / 0.066 |

Installation Schedule

| | PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | | FY 2016 | | | | FY 2017 | | | | FY 2018 | | | | FY 2019 | | | | TC | Tot | | | | |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|---|---|---|---|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | | | | | |
| In | 0 | - | - | - | - | - | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Out | 0 | - | - | - | - | - | - | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | Date: March 2014 | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | P-1 Line Item Number / Title: V02200 / CV-22 Mods | | | Modification Number / Title: 8790 / Block 20 Upgrade | |
| Modification Item 25 of 37: FLIR Kits | | | | | | | |
| Modification Item MDAP/MAIS Code: | | | | | | | |
| Manufacturer Information | | | | | | | |
| Manufacturer Name: Raytheon Technical Services | | | | Manufacturer Location: Indianapolis IN | | | |
| Administrative Leadtime (<i>in Months</i>): 6 | | | | Production Leadtime (<i>in Months</i>): 12 | | | |
| Dates | FY 2013 | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
| Contract Dates | | | Apr 2015 | Dec 2015 | Dec 2016 | | |
| Delivery Dates | | | Apr 2016 | Dec 2016 | Dec 2017 | | |
| Installation Information | | | | | | | |
| Method of Implementation (Organic): Org/Intermediate | | | | | | Installation Quantity: 35 | |
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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | Date: March 2014 | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | P-1 Line Item Number / Title: V02200 / CV-22 Mods | | Modification Number / Title: 8790 / Block 20 Upgrade | | |
| Modification Item 26 of 37: Formsprag Clutch Impr | | | | | | | |
| Modification Item MDAP/MAIS Code: | | | | | | | |
| Manufacturer Information | | | | | | | |
| Manufacturer Name: Bell-Boeing | | | | Manufacturer Location: Amarillo TX | | | |
| Administrative Leadtime (<i>in Months</i>): 4 | | | | Production Leadtime (<i>in Months</i>): 12 | | | |
| Dates | FY 2013 | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
| Contract Dates | | | | Feb 2016 | Feb 2017 | Feb 2018 | Feb 2019 |
| Delivery Dates | | | | Feb 2017 | Feb 2018 | Feb 2019 | Feb 2020 |
| Installation Information | | | | | | | |
| Method of Implementation (Organic): Org/Intermediate | | | | | Installation Quantity: 50 | | |
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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | Date: March 2014 | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | P-1 Line Item Number / Title: V02200 / CV-22 Mods | | | Modification Number / Title: 8790 / Block 20 Upgrade | |
| Modification Item 27 of 37: Fwd Looking Infrared Systems Electronics Unit (FLIR SEU) | | | | | | | |
| Modification Item MDAP/MAIS Code: | | | | | | | |
| Manufacturer Information | | | | | | | |
| Manufacturer Name: Raytheon | | | | Manufacturer Location: Indianapolis IN | | | |
| Administrative Leadtime (<i>in Months</i>): 0 | | | | Production Leadtime (<i>in Months</i>): 0 | | | |
| Dates | FY 2013 | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
| Contract Dates | | | | | | | |
| Delivery Dates | | | | | | | |
| Installation Information | | | | | | | |
| Method of Implementation (Organic): Org/Intermediate | | | | | | Installation Quantity: 2 | |
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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | Date: March 2014 | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | P-1 Line Item Number / Title: V02200 / CV-22 Mods | | Modification Number / Title: 8790 / Block 20 Upgrade | | |
| Modification Item 28 of 37: GAU-21 Gun Mounts | | | | | | | |
| Modification Item MDAP/MAIS Code: | | | | | | | |
| Manufacturer Information | | | | | | | |
| Manufacturer Name: FN Herstal | | | | Manufacturer Location: Herstal Belgium | | | |
| Administrative Leadtime (<i>in Months</i>): 4 | | | | Production Leadtime (<i>in Months</i>): 12 | | | |
| Dates | FY 2013 | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
| Contract Dates | | | Feb 2015 | | | | |
| Delivery Dates | | | Feb 2016 | | | | |
| Installation Information | | | | | | | |
| Method of Implementation (Organic): Org/Intermediate | | | | | Installation Quantity: 50 | | |
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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | Date: March 2014 | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | P-1 Line Item Number / Title: V02200 / CV-22 Mods | | Modification Number / Title: 8790 / Block 20 Upgrade | | |
| <i>Modification Item 29 of 37:</i> Improved Anti-drive Spacers | | | | | | | |
| Modification Item MDAP/MAIS Code: | | | | | | | |
| Manufacturer Information | | | | | | | |
| Manufacturer Name: Bell-Boeing | | | | Manufacturer Location: Amarillo TX | | | |
| Administrative Leadtime (<i>in Months</i>): 3 | | | | Production Leadtime (<i>in Months</i>): 12 | | | |
| Dates | FY 2013 | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
| Contract Dates | | Apr 2014 | Apr 2015 | | | | |
| Delivery Dates | | Apr 2015 | Apr 2016 | | | | |
| Installation Information | | | | | | | |
| Method of Implementation (Organic): Org/Intermediate | | | | | Installation Quantity: 113 | | |
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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: V02200 / CV-22 Mods | Modification Number / Title: 8790 / Block 20 Upgrade |

Modification Item 30 of 37: Improved Inlet Solution

Modification Item MDAP/MAIS Code:

Manufacturer Information

| | |
|--|-------------------------------------|
| Manufacturer Name: Bell-Boeing | Manufacturer Location: Amarillo TX |
| Administrative Leadtime (in Months): 5 | Production Leadtime (in Months): 12 |

| Dates | FY 2013 | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|----------------|---------|---------|---------|----------|----------|----------|----------|
| Contract Dates | | | | Mar 2016 | Mar 2017 | Mar 2018 | Mar 2019 |
| Delivery Dates | | | | Mar 2017 | Mar 2018 | Mar 2019 | Mar 2020 |

Installation Information

Method of Implementation: Contract Field Team

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2013 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2016 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 4 / 0.400 | - / - | - / - | - / - | 4 / 0.400 |
| FY 2017 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 8 / 0.800 | - / - | - / - | 8 / 0.800 |
| FY 2018 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 9 / 0.900 | - / - | 9 / 0.900 |
| FY 2019 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 9 / 0.900 | 9 / 0.900 |
| To Complete | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 20 / 2.000 | 20 / 2.000 |
| Total | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 4 / 0.400 | 8 / 0.800 | 9 / 0.900 | 29 / 2.900 | 50 / 5.000 |

Installation Schedule

| | PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | | FY 2016 | | | | FY 2017 | | | | FY 2018 | | | | FY 2019 | | | | TC | Tot |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | |
| In | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | - | 2 | 3 | 3 | - | 3 | 3 | 3 | 29 | 50 |
| Out | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 32 | 50 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | Date: March 2014 | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | P-1 Line Item Number / Title: V02200 / CV-22 Mods | | | Modification Number / Title: 8790 / Block 20 Upgrade | |
| Modification Item 31 of 37: Intel Broadcast Receiver (IBR) | | | | | | | |
| Modification Item MDAP/MAIS Code: | | | | | | | |
| Manufacturer Information | | | | | | | |
| Manufacturer Name: Bell-Boeing | | | | Manufacturer Location: Amarillo TX | | | |
| Administrative Leadtime (<i>in Months</i>): 5 | | | | Production Leadtime (<i>in Months</i>): 12 | | | |
| Dates | FY 2013 | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
| Contract Dates | | | | | Mar 2017 | | |
| Delivery Dates | | | | | Mar 2018 | | |
| Installation Information | | | | | | | |
| Method of Implementation (Organic): Org/Intermediate | | | | | | Installation Quantity: 50 | |
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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | | Date: March 2014 | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | P-1 Line Item Number / Title: V02200 / CV-22 Mods | | | Modification Number / Title: 8790 / Block 20 Upgrade | |
| Modification Item 32 of 37: KY-100 Upgrade | | | | | | | |
| Modification Item MDAP/MAIS Code: | | | | | | | |
| Manufacturer Information | | | | | | | |
| Manufacturer Name: Bell-Boeing | | | | Manufacturer Location: Amarillo TX | | | |
| Administrative Leadtime (<i>in Months</i>): 4 | | | | Production Leadtime (<i>in Months</i>): 12 | | | |
| Dates | FY 2013 | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
| Contract Dates | | | | | Feb 2017 | | |
| Delivery Dates | | | | | Feb 2018 | | |
| Installation Information | | | | | | | |
| Method of Implementation (Organic): Org/Intermediate | | | | | | Installation Quantity: 50 | |
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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: V02200 / CV-22 Mods | Modification Number / Title: 8790 / Block 20 Upgrade |

Modification Item 33 of 37: Life Limited Airframe Components Impr

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Bell-Boeing Manufacturer Location: Amarillo TX

Administrative Leadtime (in Months): 6 Production Leadtime (in Months): 12

| Dates | FY 2013 | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|----------------|---------|---------|---------|----------|----------|----------|----------|
| Contract Dates | | | | Apr 2016 | Jan 2017 | Jan 2018 | Jan 2019 |
| Delivery Dates | | | | Apr 2017 | Jan 2018 | Jan 2019 | Jan 2020 |

Installation Information

Method of Implementation: Contract Field Team

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2013 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2016 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 2 / 0.360 | - / - | - / - | - / - | 2 / 0.360 |
| FY 2017 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 3 / 0.540 | - / - | - / - | 3 / 0.540 |
| FY 2018 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 3 / 0.540 | - / - | 3 / 0.540 |
| FY 2019 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 3 / 0.540 | 3 / 0.540 |
| To Complete | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 39 / 7.020 | 39 / 7.020 |
| Total | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 2 / 0.360 | 3 / 0.540 | 3 / 0.540 | 42 / 7.560 | 50 / 9.000 |

Installation Schedule

| | PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | | FY 2016 | | | | FY 2017 | | | | FY 2018 | | | | FY 2019 | | | | TC | Tot |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | |
| In | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | 1 | 1 | 1 | - | 1 | 1 | 1 | 42 | 50 |
| Out | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | - | 1 | 1 | 1 | - | 1 | 1 | 43 | 50 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | | | | Date: March 2014 | | |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | | | P-1 Line Item Number / Title: V02200 / CV-22 Mods | | Modification Number / Title: 8790 / Block 20 Upgrade | | |
| Modification Item 34 of 37: PRGB Atmospheric Protection Kits | | | | | | | |
| Modification Item MDAP/MAIS Code: | | | | | | | |
| Manufacturer Information | | | | | | | |
| Manufacturer Name: Bell-Boeing | | | | Manufacturer Location: Amarillo TX | | | |
| Administrative Leadtime (<i>in Months</i>): 7 | | | | Production Leadtime (<i>in Months</i>): 12 | | | |
| Dates | FY 2013 | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
| Contract Dates | | Sep 2014 | May 2015 | May 2016 | | | |
| Delivery Dates | | Sep 2015 | May 2016 | May 2017 | | | |
| Installation Information | | | | | | | |
| Method of Implementation (Organic): Org/Intermediate | | | | | Installation Quantity: 32 | | |
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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: V02200 / CV-22 Mods | Modification Number / Title: 8790 / Block 20 Upgrade |

Modification Item 35 of 37: Prop Rotor Hub Spring & Drive Link Impr

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Bell-Boeing

Manufacturer Location: Amarillo TX

Administrative Leadtime (in Months): 4

Production Leadtime (in Months): 12

| Dates | FY 2013 | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|----------------|---------|---------|---------|---------|---------|----------|----------|
| Contract Dates | | | | | | Feb 2018 | Feb 2019 |
| Delivery Dates | | | | | | Feb 2019 | Feb 2020 |

Installation Information

Method of Implementation: Contract Field Team

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2013 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2016 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2017 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2018 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 12 / 0.208 | - / - | 12 / 0.208 |
| FY 2019 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 12 / 0.208 | 12 / 0.208 |
| To Complete | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 26 / 0.451 | 26 / 0.451 |
| Total | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 12 / 0.208 | 38 / 0.659 | 50 / 0.867 |

Installation Schedule

| | PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | | FY 2016 | | | | FY 2017 | | | | FY 2018 | | | | FY 2019 | | | | TC | Tot |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | |
| In | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 6 | 6 | 38 | 50 |
| Out | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 47 | 50 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | Date: March 2014 |
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| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: V02200 / CV-22 Mods | Modification Number / Title: 8790 / Block 20 Upgrade |
|---|---|--|

Modification Item 36 of 37: Swashplate Actuator Mod

Modification Item MDAP/MAIS Code:

Manufacturer Information

| | |
|--------------------------------|------------------------------------|
| Manufacturer Name: Bell-Boeing | Manufacturer Location: Amarillo TX |
|--------------------------------|------------------------------------|

| | |
|--|-------------------------------------|
| Administrative Leadtime (in Months): 1 | Production Leadtime (in Months): 13 |
|--|-------------------------------------|

| Dates | FY 2013 | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|----------------|---------|---------|----------|----------|----------|---------|---------|
| Contract Dates | | | Oct 2014 | Oct 2015 | Oct 2016 | | |
| Delivery Dates | | | Nov 2015 | Nov 2016 | Nov 2017 | | |

Installation Information

Method of Implementation: Contract Field Team

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2013 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - | 12 / 0.071 | - / - | - / - | - / - | - / - | 12 / 0.071 |
| FY 2016 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 12 / 0.074 | - / - | - / - | - / - | 12 / 0.074 |
| FY 2017 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 8 / 0.047 | - / - | - / - | 8 / 0.047 |
| FY 2018 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2019 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| To Complete | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | - / - | - / - | - / - | - / - | - / - | - / - | 12 / 0.071 | 12 / 0.074 | 8 / 0.047 | - / - | - / - | 32 / 0.192 |

Installation Schedule

| | PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | | FY 2016 | | | | FY 2017 | | | | FY 2018 | | | | FY 2019 | | | | TC | Tot |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | |
| In | 0 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | - | - | - | - | - | 32 |
| Out | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | - | - | - | - | 32 |

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| Exhibit P-3a, Individual Modification: PB 2015 Air Force | | Date: March 2014 |
| Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 5 | P-1 Line Item Number / Title: V02200 / CV-22 Mods | Modification Number / Title: 8790 / Block 20 Upgrade |

Modification Item 37 of 37: VFG Reliability Improvement Kits

Modification Item MDAP/MAIS Code:

Manufacturer Information

| | |
|--|-------------------------------------|
| Manufacturer Name: Bell-Boeing | Manufacturer Location: Amarillo TX |
| Administrative Leadtime (in Months): 5 | Production Leadtime (in Months): 12 |

| Dates | FY 2013 | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
|----------------|---------|---------|---------|---------|---------|----------|----------|
| Contract Dates | | | | | | Mar 2018 | Jan 2019 |
| Delivery Dates | | | | | | Mar 2019 | Jan 2020 |

Installation Information

Method of Implementation: Contract Field Team

| Installation Cost | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | To Complete | Total |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2013 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2014 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2015 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2016 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2017 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2018 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 8 / 0.922 | - / - | 8 / 0.922 |
| FY 2019 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 8 / 0.922 | 8 / 0.922 |
| To Complete | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 34 / 3.917 | 34 / 3.917 |
| Total | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 8 / 0.922 | 42 / 4.839 | 50 / 5.761 |

Installation Schedule

| | PYS | FY 2013 | | | | FY 2014 | | | | FY 2015 | | | | FY 2016 | | | | FY 2017 | | | | FY 2018 | | | | FY 2019 | | | | TC | Tot |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | |
| In | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 3 | 42 | 50 |
| Out | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 46 | 50 |