

UNCLASSIFIED

| BUDGET ITEM JUSTIFICATION (EXHIBIT P-40) | | | | | | | DATE February 2004 |
|--|----------|----------|----------|------------------------------|----------|----------|-----------------------|
| APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT-AIR FORCE/AIRCRAFT Modifications | | | | P-1 ITEM NOMENCLATURE: KC-10 | | | |
| | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 |
| COST (In Mil) | \$19.452 | \$20.469 | \$37.314 | \$83.209 | \$36.498 | \$37.072 | \$36.177 |

This line item funds modifications to the KC-10 aircraft. 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 drogue methods and can carry up to 27 standard 463-L pallets. The primary modification budgeted in FY05 is the Global Air Traffic Management (GATM) Phase II. Other modifications are budgeted to enhance operational capability while improving flight safety, reliability, and maintainability. The specific modifications budgeted and programmed are listed below.

| CLASS | MOD NR | MODIFICATION TITLE | FY-03 | FY-04 | FY-05 | FY-06 | FY-07 | FY-08 | FY-09 | COST TO GO | TOTAL PROG |
|--------------------------------------|--------|--------------------------|-------|-------|-------|-------|-------|-------|-------|------------|------------|
| P-S | 99999A | LOW COST SAFETY MODIFIC | | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | | 1.4 |
| TOTAL FOR CLASS P-S | | | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 1.4 |
| P | 4369 | REPLACE PYLONS 1&3 FORW | 0.7 | | | | | | | | 11.1 |
| | 7725 | THRUST REVERSER AIRWOR | 3.4 | 5.4 | 30.1 | 19.0 | 3.2 | | | | 149.2 |
| | 9709 | GATM PHASE II | 2.2 | 7.6 | 6.3 | 63.3 | 31.8 | 35.0 | 34.0 | 8.9 | 488.0 |
| | 99999S | SERVICE BULLETINS | 1.2 | 0.8 | 1.0 | 1.0 | 1.4 | 2.0 | 2.1 | | 47.7 |
| | 99999X | LOW COST MODIFICATIONS | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | | 5.1 |
| | SIM-10 | SIMULATOR UPGRADE (KC-10 | 11.7 | 6.1 | | | | | | | 74.3 |
| | Z88888 | REPROGRAMMINGS | 0.4 | 0.5 | | | | | | | 0.9 |
| TOTAL FOR CLASS P | | | 19.6 | 20.5 | 37.4 | 83.4 | 36.5 | 37.1 | 36.2 | 8.9 | 776.3 |
| TOTAL FOR WEAPON SYSTEM KC-10 | | | 19.6 | 20.6 | 37.5 | 83.5 | 36.6 | 37.2 | 36.3 | 8.9 | 777.7 |

Totals may not add due to rounding.

| | | | |
|--|-------------------------------|---------------|--|
| | P-1 SHOPP LIST ITEM NO. 41 | PAGE NO. 1 | |
|--|-------------------------------|---------------|--|

UNCLASSIFIED
MODIFICATION OF AIRCRAFT

02/13/2004
FY 2005 PB
Modification Title and No: THRUST REVERSER AIRWORTHINESS DIRECTIVE MN-7725

Exhibit P3A Congressional
Appropriation: Aircraft Procurement, Air Force
CLC: KC-10 Class P

Models of Aircraft Affected:

Center: OC-ALC - Tinker AFB Okla City, OK

PE 0401219F

Team MOBIL

Description/Justification

This Airworthiness Directive mod is comprised of two service bulletins: DC10-78-061 and DC10-78-062.

Intent of these Service Bulletins is to prevent unwanted deployment of a thrust reverser, which could significantly jeopardize continued safety of flight and landing of the aircraft. DC10-78-061 describes procedures for installation of provisional wiring for an additional thrust reverser locking system. DC10-78-062 describes procedures for installation of an additional thrust reverser locking system. There will be three (3) fan reverser kits per aircraft. Mod of spares is to buy kits to modify spare thrust reversers. FY 04 funds are "earmarked" pending the FY04 budget being signed. FY05-07 funding is being addressed FY05 APOM.

Aircraft Breakdown: Active 59, Reserve 0, ANG 0, Total 59

Development Status

N/A

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|-------|------|-------|---------|-------|-------|-------|--------|-------|--------|-------|-------|
| | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | | | 3 | 1.539 | 5 | 3.360 | 35 | 25.076 | 16 | 11.215 | | |
| KITS NONRECUR | | | | | | 0.045 | | | | | | |
| EQUIPMENT | | | | | | | | | | | | |
| EQUIP NONREC | | | | | | | | | | | | |
| CHANGE ORDERS | | | | | | | | | | | | |
| DATA | | | | | | | | | | 0.350 | | |
| SIM/TRAINER | | | | | | | [6] | 2.000 | | | | |
| SUPPORT-EQUIP | | | | 0.177 | | | | | | | | |
| OGC | | | | | | 0.025 | | 0.087 | | 0.025 | | |
| MOD OF SPARES | | | [9] | 1.684 | [5] | 1.130 | [6] | 1.320 | | | | |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| FY-03 | | | 3 | KITS | | 0.800 | | | | | | |
| FY-04 | | | | 5 KITS | | | | | | | | |
| FY-05 | | | | 35 KITS | | | | | | | | |
| FY-06 | | | | 16 KITS | | | | | [35] | 7.323 | | |
| TOTAL INSTALL | | | | | 3 | 0.800 | 5 | 1.578 | 35 | 7.323 | 16 | 3.239 |
| TOTAL COST (BP-1100) | | | | | | | | | | | | |
| (Totals may not add due to rounding) | | | 3 | 3.400 | 5 | 5.360 | 35 | 30.061 | 16 | 18.913 | | 3.239 |
| INSTALLATION QTY | | | | | 3 | | 5 | | 35 | | 16 | |

(Continued)

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | 59 | 41.190 |
| KITS NONRECUR EQUIPMENT | | | | | | | | 0.045 |
| EQUIP NONREC CHANGE ORDERS | | | | | | | | |
| DATA | | | | | | | | 0.350 |
| SIM/TRAINER | | | | | | | [6] | 2.000 |
| SUPPORT-EQUIP | | | | | | | | 0.177 |
| OGC | | | | | | | | 0.137 |
| MOD OF SPARES | | | | | | | [20] | 4.134 |
| INSTALLATION OF HARDWARE | | | | | | | | |
| FY-03 3 KITS | | | | | | | [3] | 0.800 |
| FY-04 5 KITS | | | | | | | [5] | 1.578 |
| FY-05 35 KITS | | | | | | | [35] | 7.323 |
| FY-06 16 KITS | | | | | | | [16] | 3.239 |
| TOTAL INSTALL | | | | | | | | 59 12.940 |
| TOTAL COST (BP-1100) | | | | | | | | 59 60.973 |
| (Totals may not add due to rounding) | | | | | | | | |
| INSTALLATION QTY | | | | | | | | 59 |

Method of Implementation: CONTRACTOR FACILITY

Initial Lead Time: 10 Months

Follow-On Lead Time: 8 Months

Milestones

| | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> | <u>FY-06</u> |
|--------------------------|--------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | 09/03 | 03/04 | 12/05 | 10/06 | |
| Delivery Date (Month/CY) | 07/04 | 11/04 | 08/06 | 06/07 | |

Installation Schedule

| Quarter | <u>FY-02</u> | | | | <u>FY-03</u> | | | | <u>FY-04</u> | | | | <u>FY-05</u> | | | | <u>FY-06</u> | | | | <u>FY-07</u> | | | |
|---------|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Input | | | | | | | | | | | | | 3 | 1 | 1 | 2 | 1 | 8 | 9 | 9 | 9 | 9 | 7 | |
| Output | | | | | | | | | | | | | 1 | 2 | 1 | 1 | 2 | 1 | 8 | 9 | 9 | 9 | 9 | 7 |

UNCLASSIFIED
MODIFICATION OF AIRCRAFT

02/13/2004
FY 2005 PB
Modification Title and No: GATM PHASE II MN-9709

Exhibit P3A Congressional
Appropriation: Aircraft Procurement, Air Force
CLC: KC-10 Class P

Models of Aircraft Affected: KC-10

Center: OC-ALC - Tinker AFB Okla City, OK

PE 0401219F Team MOBIL

Description/Justification

Global Air Traffic Management (GATM) is based upon evolving Communication, Navigation and Surveillance (CNS) and Free Flight concepts and requirements. Key elements of its architecture are Dual MMR (Multi-Mode Receiver), Dual CMU (Communications Management Unit), Communication Data links (HF, VHF, SATCOM), and associated avionics components and wiring. Communications upgrades include a data link to augment/replace voice communications. The navigation capabilities include a fully integrated GPS and an advanced flight management system. The surveillance capabilities include automatic aircraft position reporting (both enroute and oceanic). Prototype aircraft delivery scheduled for 3QFY03 which will increase the total number of modified aircraft to 56. Delivery of Kitproof aircraft scheduled for 4QFY03. Induction of first production aircraft 4QFY03. Current funding will modify a total of 56 aircraft, 4 WSTs and 2 FTD. HQ AMC requirement to modify entire fleet of 59.

Note: OGC on Funding page includes Award Fee payment to the contractor, AF Mission Support from Hanscom and McClellan, as well as Contractor support.

Aircraft Breakdown: Active 56, Reserve 0, ANG 0, Total 56

Development Status

Contract Award 2Q/FY00.

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| | QTY | COST |
| RDT&E (3600) | 1 | 76.573 | | 21.668 | | 11.358 | | 18.587 | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | 1 | 0.676 | | | | | [1] | 0.687 | [12] | 8.628 | [6] | 4.506 |
| KITS NONRECUR | | 4.836 | | 0.526 | | 0.694 | | 0.713 | | | | |
| EQUIPMENT | 1 | 1.640 | | | | | 1 | 1.832 | 12 | 22.980 | 6 | 12.000 |
| EQUIP NONREC | | | | | | | | 1.087 | | 6.598 | | |
| CHANGE ORDERS | | | | | | | | | | | | |
| DATA | | | | | | | | | | | | |
| SIM/TRAINER | 2 | 22.816 | | | | | | | [2] | 16.720 | | |
| SUPPORT-EQUIP | | 0.160 | | | | | | | | 3.248 | | |
| FLIGHT TEST | | 0.585 | | | | | | | | | | |
| OGC | | 5.001 | | 1.693 | | 2.811 | | 1.932 | | 4.057 | | 2.198 |
| AWAITING BTR | | | | | | 4.124 | | | | | | |

Projected Financial Plan Continued

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| FY-00 | | | | | | | | | | | | |
| FY-01 | | | | | | | | | | | | |
| FY-03 | | | [1] | | | | | | | | | |
| FY-05 | | | | | | | [1] | | | | | |
| FY-06 | | | | | | | | | [1] | 1.045 | | |
| FY-07 | | | | | | | | | | | [12] | 13.104 |
| FY-08 | | | | | | | | | | | | |
| FY-09 | | | | | | | | | | | | |
| FY-10 | | | | | | | | | | | | |
| TOTAL INSTALL | | | 1 | | | | 1 | | 1 | 1.045 | 12 | 13.104 |
| TOTAL COST (BP-1100) | | | | | | | | | | | | |
| (Totals may not add due to rounding) | 2 | 35.714 | | 2.219 | | 7.629 | 1 | 6.251 | 12 | 63.276 | 6 | 31.808 |
| INSTALLATION QTY | 1 | | 2 | | 2 | | 5 | | 19 | | 17 | |

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | 1 | 128.186 |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | [7] | 5.495 | [5] | 4.100 | | | [32] | 24.092 |
| KITS NONRECUR | | | | | | | | 6.769 |
| EQUIPMENT | 7 | 14.637 | 5 | 10.925 | | | 32 | 64.014 |
| EQUIP NONREC | | | | | | | | |
| CHANGE ORDERS | | 5.086 | | | | | | 12.771 |
| DATA | | | | | | | | |
| SIM/TRAINER | | | [1] | 8.360 | | | [5] | 47.896 |
| SUPPORT-EQUIP | | | | | | | | 3.408 |
| FLIGHT TEST | | | | | | | | 0.585 |
| OGC | | 2.930 | | 2.264 | | 2.673 | | 25.559 |
| AWAITING BTR | | | | | | | | 4.124 |
| INSTALLATION OF HARDWARE | | | | | | | | |
| FY-00 | | | 1 KITS | | | | | |
| FY-01 | | | 1 KITS | | | | | |
| FY-03 | | | 0 KITS | | | | [1] | |
| FY-05 | | | 1 KITS | | | | [1] | |
| FY-06 | | | 12 KITS | | | | [1] | 1.045 |
| FY-07 | | | 6 KITS | | | | [12] | 13.104 |
| FY-08 | [6] | 6.852 | | | | | [6] | 6.852 |
| FY-09 | | | 5 KITS | [7] | 8.351 | | [7] | 8.351 |
| FY-10 | | | 0 KITS | | | [5] | 6.235 | 6.235 |
| TOTAL INSTALL | 6 | 6.852 | 7 | 8.351 | 5 | 6.235 | 33 | 35.587 |
| TOTAL COST (BP-1100) | | | | | | | | |
| (Totals may not add due to rounding) | 7 | 35.000 | 5 | 34.000 | | 8.908 | 33 | 224.805 |
| INSTALLATION QTY | 6 | | 4 | | | | 56 | |

Method of Implementation: CLS

Initial Lead Time: 19 Months

Follow-On Lead Time: 12 Months

Milestones

| | <u>FY-98</u> | <u>FY-99</u> | <u>FY-00</u> | <u>FY-01</u> | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> | <u>FY-06</u> | <u>FY-07</u> | <u>FY-08</u> |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | | 10/00 | 05/01 | 09/02 | 10/02 | 10/03 | 10/04 | 10/05 | 10/06 | 10/07 |
| Delivery Date (Month/CY) | | | 05/02 | 05/02 | 09/03 | 10/03 | 10/04 | 10/05 | 10/06 | 10/07 | 10/08 |

Installation Schedule

| | | <u>FY-98</u> | | | | <u>FY-99</u> | | | | <u>FY-00</u> | | | | <u>FY-01</u> | | | | <u>FY-02</u> | | | | <u>FY-03</u> | | | | <u>FY-04</u> | | | | <u>FY-05</u> | | | |
|---------|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|--|
| Quarter | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | |
| Input | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Output | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| | | <u>FY-06</u> | | | | <u>FY-07</u> | | | | <u>FY-08</u> | | | | <u>FY-09</u> | | | | | | | | | | | | | | | | | | | |
| Quarter | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | |
| Input | 4 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 2 | 2 | 1 | 1 | 2 | 2 | | | | | | | | | | | | | | | | | | | |
| Output | 2 | 4 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 2 | 2 | 1 | 1 | 2 | 2 | | | | | | | | | | | | | | | | | | |

UNCLASSIFIED
MODIFICATION OF AIRCRAFT

02/13/2004
FY 2005 PB
Modification Title and No: SERVICE BULLETINS MN-99999S

Exhibit P3A Congressional
Appropriation: Aircraft Procurement, Air Force
CLC: KC-10 Class P

Models of Aircraft Affected: KC-10

Center: OC-ALC - Tinker AFB Okla City, OK

PE 0401219F Team MOBIL

Description/Justification

These funds pay for Service Bulletins (SBs), Airworthiness Directives (ADs), and All Operator Letters (AOLs) issued to correct identified deficiencies, provide product improvements, and incorporate aging aircraft and FAA certification requirements. The current major requirements include the revision of the exterior position, formation, and director lighting system; main landing gear trunnion bolt replacement; installation of bonding straps on extended wing-to-fuselage fillets; and the replacement of inboard flap track fasteners and pins on the trailing edge of the wings.

Aircraft Breakdown: Active 0, Reserve 0, ANG 0, Total 0

Development Status

N/A

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | | | | | | | | | | | | |
| KITS NONRECUR | | | | | | | | | | | | |
| EQUIPMENT | | | | | | | | | | | | |
| EQUIP NONREC | | | | | | | | | | | | |
| CHANGE ORDERS | | | | | | | | | | | | |
| DATA | | | | | | | | | | | | |
| SIM/TRAINER | | | | | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | | | | | |
| AIRCRAFT | | 38.040 | | 1.209 | | 0.838 | | 1.000 | | 1.018 | | 1.400 |
| TOTAL COST (BP-1100) | | 38.040 | | 1.209 | | 0.838 | | 1.000 | | 1.018 | | 1.400 |
| (Totals may not add due to rounding) | | 38.040 | | 1.209 | | 0.838 | | 1.000 | | 1.018 | | 1.400 |

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|--------------|------------|--------------|------------|-------------|------------|---------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | | |
| KITS NONRECUR | | | | | | | | |
| EQUIPMENT | | | | | | | | |
| EQUIP NONREC | | | | | | | | |
| CHANGE ORDERS | | | | | | | | |
| DATA | | | | | | | | |
| SIM/TRAINER | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | |
| AIRCRAFT | | 2.021 | | 2.126 | | | | 47.652 |
| TOTAL COST (BP-1100) | | <u>2.021</u> | | <u>2.126</u> | | | | <u>47.652</u> |
| (Totals may not add due to rounding) | | 2.021 | | 2.126 | | | | 47.652 |

Method of Implementation:

Initial Lead Time: 0 Months

Follow-On Lead Time: 0 Months

Milestones

| | <u>FY-91</u> | <u>FY-92</u> | <u>FY-93</u> | <u>FY-94</u> | <u>FY-95</u> | <u>FY-96</u> | <u>FY-97</u> | <u>FY-98</u> | <u>FY-99</u> | <u>FY-00</u> | <u>FY-01</u> | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | | | | | | | | | | | | | | |
| Delivery Date (Month/CY) | | | | | | | | | | | | | | | |
| | <u>FY-06</u> | <u>FY-07</u> | <u>FY-08</u> | <u>FY-09</u> | | | | | | | | | | | |
| Contract Date (Month/CY) | | | | | | | | | | | | | | | |
| Delivery Date (Month/CY) | | | | | | | | | | | | | | | |

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

02/13/2004
 FY 2005 PB
 Modification Title and No: SIMULATOR UPGRADE (KC-10) MN-SIM-10
 Models of Aircraft Affected: KC-10

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: KC-10 Class P
 PE 0401897F Team MOBIL

Center: OO-ALC - Hill AFB, UT

Description/Justification

The KC-10 Aircrew Training Devices (ATDs) consist of; four Weapons System Trainers (WSTs), two low fidelity Cockpit Procedures Trainers (CPTs), and two Boom Operator Trainers (BOTs). The current upgrade efforts are intended to vastly improve the fidelity of the training devices to meet Federal Aviation Administration (FAA) Advisory Circular (AC) 120-40-B Level C and FAA Advisory Circular 120-45A or equivalent standards. These upgrades will allow AMC to move flying proficiency training from the aircraft to the ATDs thereby reducing required flying hours, and wear and tear on the airframes. The 4 WSTs are to receive a new 225 degree x 45 degree articulated visual display system commonly referred to as the Visual Upgrade Effort (VUE), and all 4 WSTs require a pre-conditioning kit commonly referred to as the Refurbishment Kit of Parts (RKOP) that brings the WSTs into a common baseline configuration as a necessary precursor to the aforementioned VUE modification. The 2 CPTs will be upgraded to meet FAA Level 6 fidelity standards and a Distributed Mission Training demonstration linking 2 WSTs and a Boom Operator Trainer will be conducted at Travis AFB. Finally, controls and motion upgrades will be accomplished on all 4 WSTs to meet FAA Level C requirements. The first VUE kit was purchased in FY 98 using BP 1200 funds and the remaining three kits were purchased from FY 99-01 (EQUIPMENT) using BP 1100 funds. The RKOP kits are procured (SIM/TRAINER) in FY 99-FY02. The installation and integration of the VUE kits (Installation of Hardware) are funded in FY99, FY01, FY02 and FY03. The RKOP installation and integration (Installation of Hardware) is funded in FY99, FY00, FY02, and FY03. The Distributed Mission Training linkage of simulators at Travis (Trainer Peculiar) is funded in FY99, FY01 and FY02 and FY03. Controls and motion, commonly referred to as CoSMoS upgrades (Trainer Peculiar) are funded in FY02.

Aircraft Breakdown: Active 6, Reserve 0, ANG 0, Total 6

Development Status

N/A

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------|-------|--------|-------|-------|-------|-------|-------|------|-------|------|-------|------|
| | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | | | | | | | | | | | | |
| KITS NONRECUR | | | | | | | | | | | | |
| EQUIPMENT | 4 | 7.548 | | | | | | | | | | |
| EQUIP NONREC | | | | | | | | | | | | |
| CHANGE ORDERS | | | | | | | | | | | | |
| DATA | | | | | | | | | | | | |
| SIM/TRAINER | 14 | 28.553 | | | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | | | | | |
| OGC | | 0.075 | | | | | | | | | | |
| TRAINER PECULIAR | | 7.403 | | 8.567 | | 6.053 | | | | | | |

Projected Financial Plan Continued

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| FY-98 | 1 | KITS | 2 | 3.656 | | | | | | | | |
| FY-99 | 1 | KITS | 1 | 2.467 | | | | | | | | |
| FY-00 | 1 | KITS | 1 | 0.633 | | | | | | | | |
| FY-01 | 1 | KITS | 2 | 3.100 | | | | | | | | |
| FY-03 | 0 | KITS | | | [2] | 3.100 | | | | | | |
| TOTAL INSTALL | 6 | 9.856 | 2 | 3.100 | | | | | | | | |
| TOTAL COST (BP-1100) | | | | | | | | | | | | |
| (Totals may not add due to rounding) | 4 | 53.435 | | 11.667 | | 6.053 | | | | | | |
| INSTALLATION QTY | 6 | | 2 | | | | | | | | | |

(Continued)

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | | |
| KITS NONRECUR | | | | | | | | |
| EQUIPMENT | | | | | | | 4 | 7.548 |
| EQUIP NONREC | | | | | | | | |
| CHANGE ORDERS | | | | | | | | |
| DATA | | | | | | | | |
| SIM/TRAINER | | | | | | | [14] | 28.553 |
| SUPPORT-EQUIP | | | | | | | | |
| OGC | | | | | | | | 0.075 |
| TRAINER PECULIAR | | | | | | | | 22.023 |
| INSTALLATION OF HARDWARE | | | | | | | | |
| FY-98 | 1 | | | | | | [2] | 3.656 |
| FY-99 | 1 | | | | | | [1] | 2.467 |
| FY-00 | 1 | | | | | | [1] | 0.633 |
| FY-01 | 1 | | | | | | [2] | 3.100 |
| FY-03 | 0 | | | | | | [2] | 3.100 |
| TOTAL INSTALL | | | | | | | 8 | 12.956 |
| TOTAL COST (BP-1100) | | | | | | | 4 | 71.155 |
| (Totals may not add due to rounding) | | | | | | | | |
| INSTALLATION QTY | | | | | | | 8 | |

Method of Implementation: CLS

Initial Lead Time: 24 Months

Follow-On Lead Time: 18 Months

Milestones

| | <u>FY-91</u> | <u>FY-92</u> | <u>FY-93</u> | <u>FY-94</u> | <u>FY-95</u> | <u>FY-96</u> | <u>FY-97</u> | <u>FY-98</u> | <u>FY-99</u> | <u>FY-00</u> | <u>FY-01</u> | <u>FY-02</u> | <u>FY-03</u> |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | | | | | | | | 09/99 | 08/00 | 09/01 | 09/02 | 11/02 |
| Delivery Date (Month/CY) | | | | | | | | | 09/01 | 04/03 | 03/03 | 03/04 | 09/03 |

Installation Schedule

| | <u>FY-91</u> | | | | <u>FY-92</u> | | | | <u>FY-93</u> | | | | <u>FY-94</u> | | | | <u>FY-95</u> | | | | <u>FY-96</u> | | | | <u>FY-97</u> | | | | <u>FY-98</u> | | | | | | | |
|---------|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | |
| Quarter | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Input | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Output | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quarter | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Input | | | | 2 | | | | | | | | 2 | | | | | | | | 2 | | | | | | | | | | | | | | | | |
| Output | | | | | | | | | | | | 2 | | | | | | | | 2 | | | | | | | | | | | | | | | | |

UNCLASSIFIED

| BUDGET ITEM JUSTIFICATION (EXHIBIT P-40) | | | | | | | DATE February 2004 |
|--|---------|---------|----------|-----------------------------|---------|---------|-----------------------|
| APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT-AIR FORCE/AIRCRAFT Modifications | | | | P-1 ITEM NOMENCLATURE: C-12 | | | |
| | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 |
| COST (In Mil) | \$0.398 | \$5.726 | \$19.373 | \$6.179 | \$0.896 | \$0.437 | \$0.446 |

This line item funds modifications to the C-12 aircraft, commercial equivalent Beech Craft Super King Air. The C-12 is a twin-turboprop, support-airlift aircraft used to transport cargo and passengers. The primary modification for FY05 is Electronic Flight Instrumentation. Other modifications are budgeted to enhance operational capability while improving flight safety, reliability, and maintainability. The specific modifications are listed below.

| <u>CLASS</u> | <u>MOD NR</u> | <u>MODIFICATION TITLE</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> | <u>FY-06</u> | <u>FY-07</u> | <u>FY-08</u> | <u>FY-09</u> | <u>COST TO GO</u> | <u>TOTAL PROG</u> |
|-------------------------------------|---------------|---------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------------|-------------------|
| P | 6140 | ELECTRONIC FLIGHT INSTRU | | 5.3 | 19.3 | 6.0 | 0.7 | | | | 84.8 |
| | 99999S | SERVICE BULLETINS | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 | 0.3 | 0.3 | | 3.1 |
| | 99999X | LOW COST MODIFICATIONS | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | | 2.4 |
| | Z88888 | REPROGRAMMINGS | 0.1 | 0.1 | | | | | | | 0.5 |
| TOTAL FOR CLASS P | | | 0.5 | 5.8 | 19.5 | 6.2 | 0.9 | 0.4 | 0.4 | 0.0 | 90.8 |
| TOTAL FOR WEAPON SYSTEM C-12 | | | 0.5 | 5.8 | 19.5 | 6.2 | 0.9 | 0.4 | 0.4 | 0.0 | 90.8 |

Totals may not add due to rounding.

| | | | |
|--|-------------------------------|---------------|--|
| | P-1 SHOPP LIST ITEM NO. 42 | PAGE NO. 1 | |
|--|-------------------------------|---------------|--|

UNCLASSIFIED
MODIFICATION OF AIRCRAFT

02/13/2004
FY 2005 PB

Modification Title and No: ELECTRONIC FLIGHT INSTRUMENTATION SYSTEM (EFIS) MN-6140

Exhibit P3A Congressional
Appropriation: Aircraft Procurement, Air Force
CLC: C-12 Class P

Models of Aircraft Affected: C-12C/D/F/J AIRCRAFT

Center: OC-ALC - Tinker AFB Okla City, OK

PE 0401314F

Team MOBIL

Description/Justification

The Electronic Flight Instrumentation System (EFIS) incorporates SECDEF-mandated Global Air Traffic Mangement (GATM), Navigation Safety, and Global Positioning System (GPS) requirements and provides a capability for future upgrades. EFIS will include new cockpit instruments, color radar and upgraded communication, navigation, safety and GATM systems to meet these requirements. FY04 funds will be used for two kit-proofs, one C/D model, and one J model at different costs. FY05 funds will be used for one C-12F kit proof.

Aircraft Breakdown: Active 27, Reserve 0, ANG 0, Total 27

Development Status

N/A

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|-------|------|-------|------|-------|-------|-------|--------|-------|-------|-------|-------|
| | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | | | | | 2 | 0.332 | 13 | 2.379 | 3 | 0.549 | | |
| KITS NONRECUR | | | | | | 1.505 | | 0.762 | | | | |
| EQUIPMENT | | | | | [2] | 1.963 | [13] | 14.226 | [3] | 3.378 | | |
| EQUIP NONREC | | | | | | | | | | | | 0.200 |
| CHANGE ORDERS | | | | | | | | | | | | 0.250 |
| DATA | | | | | | 0.250 | | | | | | 0.250 |
| SIM/TRAINER | | | | | | | | | | | | |
| SUPPORT-EQUIP | | | | | | 0.485 | | | | | | |
| TRAINING | | | | | | 0.325 | | | | | | 0.478 |
| OGC | | | | | | 0.030 | | 0.025 | | | | 0.025 |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| FY-04 2 KITS | | | | | [2] | 0.410 | | | | | | |
| FY-05 13 KITS | | | | | | | [8] | 1.808 | [5] | 1.130 | | |
| FY-06 3 KITS | | | | | | | | | | | [3] | 0.678 |
| TOTAL INSTALL | | | | | 2 | 0.410 | 8 | 1.808 | 5 | 1.130 | 3 | 0.678 |
| TOTAL COST (BP-1100) | | | | | 2 | 5.300 | 13 | 19.200 | 3 | 6.010 | | 0.678 |
| (Totals may not add due to rounding) | | | | | | | | | | | | |
| INSTALLATION QTY | | | | | 2 | | 8 | | 5 | | 3 | |

(Continued)

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | 18 | 3.260 |
| KITS NONRECUR | | | | | | | | 2.267 |
| EQUIPMENT | | | | | | | [18] | 19.567 |
| EQUIP NONREC | | | | | | | | |
| CHANGE ORDERS | | | | | | | | 0.200 |
| DATA | | | | | | | | 0.500 |
| SIM/TRAINER | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | 0.485 |
| TRAINING | | | | | | | | 0.803 |
| OGC | | | | | | | | 0.080 |
| INSTALLATION OF HARDWARE | | | | | | | | |
| FY-04 | 2 | KITS | | | | | [2] | 0.410 |
| FY-05 | 13 | KITS | | | | | [13] | 2.938 |
| FY-06 | 3 | KITS | | | | | [3] | 0.678 |
| TOTAL INSTALL | | | | | | | 18 | 4.026 |
| TOTAL COST (BP-1100) | | | | | | | 18 | 31.188 |
| (Totals may not add due to rounding) | | | | | | | | |
| INSTALLATION QTY | | | | | | | 18 | |

Method of Implementation: CLS

Initial Lead Time: 6 Months

Follow-On Lead Time: 6 Months

Milestones

| | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> |
|--------------------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | | 10/03 | 04/04 |
| Delivery Date (Month/CY) | | | 04/04 | 10/04 |

Installation Schedule

| | <u>FY-02</u> | | | | <u>FY-03</u> | | | | <u>FY-04</u> | | | | <u>FY-05</u> | | | | <u>FY-06</u> | | | | <u>FY-07</u> | | | |
|---------|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Quarter | | | | | | | | | | | | | | | | | | | | | | | | |
| Input | | | | | | | | | | 2 | | | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 |
| Output | | | | | | | | | 2 | | | | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

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UNCLASSIFIED

| BUDGET ITEM JUSTIFICATION (EXHIBIT P-40) | | | | | | | DATE February 2004 |
|--|---------|---------|---------|-----------------------------|---------|---------|-----------------------|
| APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT-AIR FORCE/AIRCRAFT Modifications | | | | P-1 ITEM NOMENCLATURE: C-18 | | | |
| | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 |
| COST (In Mil) | \$0.025 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 | \$0.000 |

This line item funds modifications to the C-18 aircraft. The C-18, a modified Boeing 707, is a long-range, four engine, jet transport aircraft. The C-18 is used to support space and missile missions.

| <u>CLASS</u> | <u>MOD NR</u> | <u>MODIFICATION TITLE</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> | <u>FY-06</u> | <u>FY-07</u> | <u>FY-08</u> | <u>FY-09</u> | <u>COST TO GO</u> | <u>TOTAL PROG</u> |
|-------------------------------------|---------------|---------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------------|-------------------|
| P | 99999S | SERVICE BULLETINS | 0.1 | | | | | | | | 0.7 |
| | 99999X | LOW COST MODIFICATIONS | 0.1 | | | | | | | | 5.8 |
| | Z88888 | REPROGRAMMINGS | 0.1 | | | | | | | | 0.1 |
| TOTAL FOR CLASS P | | | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.6 |
| TOTAL FOR WEAPON SYSTEM C-18 | | | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.6 |

Totals may not add due to rounding.

| | | | |
|--|-------------------------------|---------------|--|
| | P-1 SHOPP LIST ITEM NO. 43 | PAGE NO. 1 | |
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UNCLASSIFIED

| BUDGET ITEM JUSTIFICATION (EXHIBIT P-40) | | | | | | | DATE February 2004 |
|--|---------|---------|---------|-----------------------------|---------|---------|-----------------------|
| APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT-AIR FORCE/AIRCRAFT Modifications | | | | P-1 ITEM NOMENCLATURE: C-20 | | | |
| | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 |
| COST (In Mil) | \$1.897 | \$0.441 | \$0.449 | \$0.479 | \$0.495 | \$0.509 | \$0.519 |

This line item funds modifications to the C-20 aircraft, commercial equivalent Gulfstream III/IV. The C-20 aircraft is a twin-engine, turbofan aircraft used to airlift DoD officials and high-ranking government personnel over long distances (3,000 miles and greater). The modifications in FY05 will enhance operational capability while improving flight safety, reliability, and maintainability. The specific modifications budgeted and programmed are below.

| <u>CLASS</u> | <u>MOD NR</u> | <u>MODIFICATION TITLE</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> | <u>FY-06</u> | <u>FY-07</u> | <u>FY-08</u> | <u>FY-09</u> | <u>COST TO GO</u> | <u>TOTAL PROG</u> |
|-------------------------------------|---------------|---------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------------|-------------------|
| P | 99999S | SERVICE BULLETINS | 0.2 | 0.3 | 0.4 | 0.4 | 0.4 | 0.2 | 0.2 | | 3.7 |
| | 99999X | LOW COST MODIFICATIONS | 1.7 | 0.1 | 0.1 | 0.1 | 0.1 | 0.4 | 0.4 | | 10.2 |
| | Z88888 | REPROGRAMMINGS | 0.1 | 0.1 | | | | | | | 0.2 |
| TOTAL FOR CLASS P | | | 2.0 | 0.6 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.0 | 14.1 |
| TOTAL FOR WEAPON SYSTEM C-20 | | | 2.0 | 0.6 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.0 | 14.1 |

Totals may not add due to rounding.

| | | | |
|--|-------------------------------|---------------|--|
| | P-1 SHOPP LIST ITEM NO. 44 | PAGE NO. 1 | |
|--|-------------------------------|---------------|--|

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

02/13/2004
 FY 2005 PB
 Modification Title and No: LOW COST MODIFICATIONS MN-99999X

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: C-20 Class P

Models of Aircraft Affected: C-20A/B/H

Center: OC-ALC - Tinker AFB Okla City, OK

PE 0401314F

Team MOBIL

Description/Justification

These are low cost modifications necessary to improve reliability, maintainability, safety and mission performance, and to reduce logistics costs.

Aircraft Breakdown: Active 0, Reserve 0, ANG 0, Total 0

Development Status

N/A

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | | | | | | | | | | | | |
| KITS NONRECUR | | | | | | | | | | | | |
| EQUIPMENT | | | | | | | | | | | | |
| EQUIP NONREC | | | | | | | | | | | | |
| CHANGE ORDERS | | | | | | | | | | | | |
| DATA | | | | | | | | | | | | |
| SIM/TRAINER | | | | | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | | | | | |
| AWAITING BTR | | | | | | | | | | | | |
| AIRCRAFT | | 7.309 | | 1.714 | | 0.079 | | 0.091 | | 0.091 | | 0.092 |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| TOTAL INSTALL | | | | | | | | | | | | |
| TOTAL COST (BP-1100) | | 7.309 | | 1.714 | | 0.079 | | 0.091 | | 0.091 | | 0.092 |
| (Totals may not add due to rounding) | | | | | | | | | | | | |
| INSTALLATION QTY | | | | | | | | | | | | |

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | | |
| KITS NONRECUR | | | | | | | | |
| EQUIPMENT | | | | | | | | |
| EQUIP NONREC | | | | | | | | |
| CHANGE ORDERS | | | | | | | | |
| DATA | | | | | | | | |
| SIM/TRAINER | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | |
| AWAITING BTR | | | | | | | | |
| AIRCRAFT | | 0.352 | | 0.351 | | | | 10.079 |
| INSTALLATION OF HARDWARE | | | | | | | | |
| TOTAL INSTALL | | | | | | | | |
| TOTAL COST (BP-1100) | | | | | | | | |
| (Totals may not add due to rounding) | | 0.352 | | 0.351 | | | | 10.079 |
| INSTALLATION QTY | | | | | | | | |

Method of Implementation: COMBINATION

Initial Lead Time: 0 Months

Follow-On Lead Time: 0 Months

Milestones

| | <u>FY-91</u> | <u>FY-92</u> | <u>FY-93</u> | <u>FY-94</u> | <u>FY-95</u> | <u>FY-96</u> | <u>FY-97</u> | <u>FY-98</u> | <u>FY-99</u> | <u>FY-00</u> | <u>FY-01</u> | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | | | | | | | | | | | | | | |
| Delivery Date (Month/CY) | | | | | | | | | | | | | | | |
| Contract Date (Month/CY) | <u>FY-06</u> | <u>FY-07</u> | <u>FY-08</u> | <u>FY-09</u> | | | | | | | | | | | |
| Delivery Date (Month/CY) | | | | | | | | | | | | | | | |

Installation Schedule

| | <u>FY-91</u> | | | | <u>FY-92</u> | | | | <u>FY-93</u> | | | | <u>FY-94</u> | | | | <u>FY-95</u> | | | | <u>FY-96</u> | | | | <u>FY-97</u> | | | | <u>FY-98</u> | | | | | | | |
|---------|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|---|---|---|---|
| Quarter | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Input | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Output | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quarter | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Input | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Output | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quarter | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | |
| Input | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Output | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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UNCLASSIFIED

| BUDGET ITEM JUSTIFICATION (EXHIBIT P-40) | | | | | | | DATE February 2004 |
|--|----------|----------|----------|-----------------------------|---------|---------|-----------------------|
| APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT-AIR FORCE/AIRCRAFT Modifications | | | | P-1 ITEM NOMENCLATURE: C-25 | | | |
| | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 |
| COST (In Mil) | \$78.969 | \$69.339 | \$28.031 | \$0.960 | \$0.990 | \$1.019 | \$1.039 |

This line item funds modifications to the VC-25 aircraft. The VC-25, a Boeing 747-200B, is a four engine long-range aircraft used for presidential support. FY05 modifications budgeted enhance operational capability while improving flight safety, reliability, and maintainability. The primary modification in FY05 is the Presidential Data System Mod. The specific modifications budgeted and programmed are listed below.

| <u>CLASS</u> | <u>MOD NR</u> | <u>MODIFICATION TITLE</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> | <u>FY-06</u> | <u>FY-07</u> | <u>FY-08</u> | <u>FY-09</u> | <u>COST TO GO</u> | <u>TOTAL PROG</u> |
|-------------------------------------|---------------|---------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------------|-------------------|
| P | 9331 | PRESIDENTIAL DATA SYSTE | 64.6 | 66.4 | 26.4 | | | | | | 372.8 |
| | 9709 | GATM PHASE II | 11.7 | | 0.7 | | | | | | 59.3 |
| | 99999S | SERVICE BULLETINS | 1.2 | 0.8 | 0.8 | 0.9 | 1.0 | 1.0 | 1.0 | | 9.4 |
| | 99999X | LOW COST MODIFICATIONS | 1.5 | 0.3 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | | 4.7 |
| | Z88888 | REPROGRAMMINGS | | 1.8 | | | | | | | 1.8 |
| TOTAL FOR CLASS P | | | 79.0 | 69.3 | 28.0 | 1.0 | 1.1 | 1.1 | 1.1 | 0.0 | 448.0 |
| TOTAL FOR WEAPON SYSTEM C-25 | | | 79.0 | 69.3 | 28.0 | 1.0 | 1.1 | 1.1 | 1.1 | 0.0 | 448.0 |

Totals may not add due to rounding.

| | | | |
|--|-------------------------------|---------------|--|
| | P-1 SHOPP LIST ITEM NO. 45 | PAGE NO. 1 | |
|--|-------------------------------|---------------|--|

UNCLASSIFIED
MODIFICATION OF AIRCRAFT

02/13/2004
FY 2005 PB
Modification Title and No: PRESIDENTIAL DATA SYSTEM MN-9331

Exhibit P3A Congressional
Appropriation: Aircraft Procurement, Air Force
CLC: C-25 Class P

Models of Aircraft Affected: VC-25A

Center: OC-ALC - Tinker AFB Okla City, OK

PE 0401314F

Team MOBIL

Description/Justification

The VC-25A Presidential Data System (PDS) upgrade is a spiral development program upgrading unsustainable lighting infrastructure, and installing data processing and distribution capability. This program was initiated with FY01 DERF funds. \$7M of FY01 DERF was used to install the first kit, Connexion by Boeing Block 0 on Tail 8000. \$60M of DERF was added to the program in FY02 for the engineering and installation of Interim Wideband Communications (IWCS) on aircraft 9000. DERF funds are not reflected on the P-docs. These efforts install Connexion by Boeing wideband voice and data system, INMARSAT HSD, upgrade lighting and data distribution to support current and future data distribution requirements.

Aircraft Breakdown: Active 2, Reserve 0, ANG 0, Total 2

Development Status

N/A

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|-------|------|-------|--------|-------|--------|-------|--------|-------|------|-------|------|
| | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | | | 15 | 9.222 | 5 | 10.043 | 3 | 7.512 | | | | |
| KITS NONRECUR | | | | 43.161 | | 23.952 | | | | | | |
| EQUIPMENT | | | [15] | 8.528 | [5] | 29.819 | [3] | 13.703 | | | | |
| EQUIP NONREC | | | | | | | | | | | | |
| CHANGE ORDERS | | | | | | | | | | | | |
| DATA | | | | 2.984 | | 2.343 | | | | | | |
| SIM/TRAINER | | | | | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | | | | | |
| OGC | | | | | | | | | | | | |
| TRAINING | | | | | | | | | | | | |
| FAA CERTIFICATION | | | | | | | | | | | | |
| OTHER | | | | 0.280 | | 0.272 | | | | | | |
| SOFTWARE NONREC | | | | | | | | | | | | |
| INITIAL SPARES | | | | | | | | | | | | |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| FY-03 15 KITS | | | [2] | 0.385 | [8] | | [5] | | | | | |
| FY-04 5 KITS | | | | | | | [5] | 5.184 | | | | |
| FY-05 3 KITS | | | | | | | | | | [3] | | |
| TOTAL INSTALL | | | 2 | 0.385 | 8 | | 10 | 5.184 | | 3 | | |
| TOTAL COST (BP-1100) | | | | | | | | | | | | |
| (Totals may not add due to rounding) | | | 15 | 64.560 | 5 | 66.429 | 3 | 26.399 | | | | |
| INSTALLATION QTY | | | 2 | | 8 | | 10 | | | 3 | | |

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | 23 | 26.777 |
| KITS NONRECUR | | | | | | | | 67.113 |
| EQUIPMENT | | | | | | | [23] | 52.050 |
| EQUIP NONREC | | | | | | | | |
| CHANGE ORDERS | | | | | | | | |
| DATA | | | | | | | | 5.327 |
| SIM/TRAINER | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | |
| OGC | | | | | | | | |
| TRAINING | | | | | | | | |
| FAA CERTIFICATION | | | | | | | | |
| OTHER | | | | | | | | 0.552 |
| SOFTWARE NONREC | | | | | | | | |
| INITIAL SPARES | | | | | | | | |
| INSTALLATION OF HARDWARE | | | | | | | | |
| FY-03 15 KITS | | | | | | | [15] | 0.385 |
| FY-04 5 KITS | | | | | | | [5] | 5.184 |
| FY-05 3 KITS | | | | | | | [3] | |
| TOTAL INSTALL | | | | | | | 23 | 5.569 |
| TOTAL COST (BP-1100) | | | | | | | 23 | 157.388 |
| (Totals may not add due to rounding) | | | | | | | | |
| INSTALLATION QTY | | | | | | | 23 | |

Method of Implementation: CONTRACTOR FACILITY

Initial Lead Time: 18 Months

Follow-On Lead Time: 14 Months

Milestones

| | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> |
|--------------------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | 01/02 | 01/04 | 06/05 | |
| Delivery Date (Month/CY) | 07/03 | 03/05 | 08/06 | |

Installation Schedule

| Quarter | <u>FY-02</u> | | | | <u>FY-03</u> | | | | <u>FY-04</u> | | | | <u>FY-05</u> | | | | <u>FY-06</u> | | | | <u>FY-07</u> | | | | <u>FY-08</u> | | | |
|---------|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|----|---|--------------|---|---|----|--------------|---|---|---|--------------|---|---|---|
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Input | | | | | | | 2 | | | | 8 | | | | 10 | | | | | 3 | | | | | | | | |
| Output | | | | | | | | | 2 | 8 | | | | | | | | | | 10 | | | | | | | 3 | |

UNCLASSIFIED
MODIFICATION OF AIRCRAFT

02/13/2004
FY 2005 PB
Modification Title and No: GATM PHASE II MN-9709

Exhibit P3A Congressional
Appropriation: Aircraft Procurement, Air Force
CLC: C-25 Class P

Models of Aircraft Affected: VC-25A

Center: OC-ALC - Tinker AFB Okla City, OK

PE 0401314F

Team MOBIL

Description/Justification

Global Air Traffic Management (GATM) modifications are an ongoing requirement and will therefore be accomplished in phases. Phase I tested basic software to obtain FAA certification required for Future Air Navigation System (FANS)-1 flights (testing completed in FY99). Phase II will consist of a number of different kits to include the High Frequency Data Link (HFDDL), SATCOM voice and datalink, Selective Availability Anti-Spoofing Module (SAASM), dual Communication Management Units (CMUs), Flight Management System (FMS) software upgrade, High Frequency radios with Automatic Linkage Establishments (HF/ALE) in the Mission Communications System (MCS). These modifications will be accomplished concurrently with depot maintenance input cycles to provide additional aircraft availability.

Aircraft Breakdown: Active 2, Reserve 0, ANG 0, Total 2

Development Status

N/A

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | 5 | 5.011 | 5 | 2.229 | | | | | | | | |
| KITS NONRECUR | | 10.817 | | 6.937 | | | | | | | | |
| EQUIPMENT | 5 | 3.935 | [5] | 0.540 | | | | | | | | |
| EQUIP NONREC | | | | | | | | | | | | |
| CHANGE ORDERS | | | | | | | | | | | | |
| DATA | | 1.420 | | 1.551 | | | | | | | | |
| SIM/TRAINER | | | | | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | | | | | |
| OGC | | 0.023 | | | | | | | | | | |
| INSTALL | | | | | | | | | | | | |
| TRAINING | | | | 0.060 | | | | | | | | |
| FAA CERTIFICATION | | | | | | | | | | | | |
| OTHER | | 0.187 | | 0.192 | | | | | | | | |
| SOFTWARE NONREC | | 1.340 | | | | | | | | | | |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| FY-00 1 KITS | 1 | 1.100 | | | | | | | | | | |
| FY-02 4 KITS | 1 | 0.320 | [1] | 0.130 | | | [2] | | | | | |
| FY-03 5 KITS | | | [1] | 0.021 | | | [4] | 0.680 | | | | |
| TOTAL INSTALL | 2 | 1.420 | 2 | 0.151 | | | 6 | 0.680 | | | | |
| TOTAL COST (BP-1100) | | | | | | | | | | | | |
| (Totals may not add due to rounding) | 5 | 24.153 | 5 | 11.660 | | | | 0.680 | | | | |
| INSTALLATION QTY | 2 | | 2 | | | | 6 | | | | | |

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

02/13/2004
 FY 2005 PB
 Modification Title and No: SERVICE BULLETINS MN-99999S

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: C-25 Class P

Models of Aircraft Affected: VC-25A

Center: OC-ALC - Tinker AFB Okla City, OK

PE 0401314F

Team MOBIL

Description/Justification

Service bulletins affect safety, product improvement, maintenance and reliability, and are issued to correct FAA identified deficiencies.

Aircraft Breakdown: Active 0, Reserve 0, ANG 0, Total 0

Development Status

N/A

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | | | | | | | | | | | | |
| KITS NONRECUR | | | | | | | | | | | | |
| EQUIPMENT | | | | | | | | | | | | |
| EQUIP NONREC | | | | | | | | | | | | |
| CHANGE ORDERS | | | | | | | | | | | | |
| DATA | | | | | | | | | | | | |
| SIM/TRAINER | | | | | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | | | | | |
| INITIAL SPARES (EXEMPT) | | | | | | | | | | | | |
| SVC BULLETINS | | 2.686 | | 1.240 | | 0.795 | | 0.849 | | 0.897 | | 0.952 |
| TOTAL COST (BP-1100) | | 2.686 | | 1.240 | | 0.795 | | 0.849 | | 0.897 | | 0.952 |
| (Totals may not add due to rounding) | | 2.686 | | 1.240 | | 0.795 | | 0.849 | | 0.897 | | 0.952 |

(Continued)

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | | |
| KITS NONRECUR | | | | | | | | |
| EQUIPMENT | | | | | | | | |
| EQUIP NONREC | | | | | | | | |
| CHANGE ORDERS | | | | | | | | |
| DATA | | | | | | | | |
| SIM/TRAINER | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | |
| INITIAL SPARES (EXEMPT) | | | | | | | | |
| SVC BULLETINS | | 1.000 | | 1.000 | | | | 9.419 |
| TOTAL COST (BP-1100) | | | | | | | | |
| (Totals may not add due to rounding) | | 1.000 | | 1.000 | | | | 9.419 |

Method of Implementation: ORG/INTERMEDIATE

Initial Lead Time: 0 Months

Follow-On Lead Time: 0 Months

Milestones

| | <u>FY-99</u> | <u>FY-00</u> | <u>FY-01</u> | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> | <u>FY-06</u> | <u>FY-07</u> | <u>FY-08</u> | <u>FY-09</u> | <u>FY-10</u> | <u>FY-11</u> | <u>FY-12</u> | <u>FY-13</u> |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | | | | | | | | | | | | | | |
| Delivery Date (Month/CY) | | | | | | | | | | | | | | | |
| Contract Date (Month/CY) | | | | | | | | | | | | | | | |
| Delivery Date (Month/CY) | | | | | | | | | | | | | | | |

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

02/13/2004
 FY 2005 PB
 Modification Title and No: LOW COST MODIFICATIONS MN-99999X

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: C-25 Class P

Models of Aircraft Affected: VC-25A

Center: OC-ALC - Tinker AFB Okla City, OK

PE 0401314F

Team MOBIL

Description/Justification

These are low cost modifications necessary to improve reliability, maintainability, safety and mission performance, and to reduce logistics costs.

Aircraft Breakdown: Active 0, Reserve 0, ANG 0, Total 0

Development Status

N/A

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | QTY | COST |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | | | | | | | | | | | | |
| KITS NONRECUR | | | | | | | | | | | | |
| EQUIPMENT | | | | | | | | | | | | |
| EQUIP NONREC | | | | | | | | | | | | |
| CHANGE ORDERS | | | | | | | | | | | | |
| DATA | | | | | | | | | | | | |
| SIM/TRAINER | | | | | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | | | | | |
| INITIAL SPARES (EXEMPT) | | | | | | | | | | | | |
| AIRCRAFT | | 2.384 | | 1.509 | | 0.293 | | 0.103 | | 0.063 | | 0.038 |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| TOTAL INSTALL | | | | | | | | | | | | |
| TOTAL COST (BP-1100) | | 2.384 | | 1.509 | | 0.293 | | 0.103 | | 0.063 | | 0.038 |
| (Totals may not add due to rounding) | | | | | | | | | | | | |
| INSTALLATION QTY | | | | | | | | | | | | |

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|-------|-------|-------|-------|---------|------|-------|-------|
| | QTY | COST | QTY | COST | QTY | COST | QTY | COST |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | | |
| KITS NONRECUR | | | | | | | | |
| EQUIPMENT | | | | | | | | |
| EQUIP NONREC | | | | | | | | |
| CHANGE ORDERS | | | | | | | | |
| DATA | | | | | | | | |
| SIM/TRAINER | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | |
| INITIAL SPARES (EXEMPT) | | | | | | | | |
| AIRCRAFT | | 0.019 | | 0.039 | | | | 4.448 |
| INSTALLATION OF HARDWARE | | | | | | | | |
| TOTAL INSTALL | | | | | | | | |
| TOTAL COST (BP-1100) | | | | | | | | |
| (Totals may not add due to rounding) | | 0.019 | | 0.039 | | | | 4.448 |
| INSTALLATION QTY | | | | | | | | |

Method of Implementation: CLS

Initial Lead Time: 0 Months

Follow-On Lead Time: 0 Months

Milestones

| | <u>FY-99</u> | <u>FY-00</u> | <u>FY-01</u> | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> | <u>FY-06</u> | <u>FY-07</u> | <u>FY-08</u> | <u>FY-09</u> | <u>FY-10</u> | <u>FY-11</u> | <u>FY-12</u> | <u>FY-13</u> |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | | | | | | | | | | | | | | |
| Delivery Date (Month/CY) | | | | | | | | | | | | | | | |
| Contract Date (Month/CY) | | | | | | | | | | | | | | | |
| Delivery Date (Month/CY) | | | | | | | | | | | | | | | |

Installation Schedule

| | <u>FY-99</u> | | | | <u>FY-00</u> | | | | <u>FY-01</u> | | | | <u>FY-02</u> | | | | <u>FY-03</u> | | | | <u>FY-04</u> | | | | <u>FY-05</u> | | | | <u>FY-06</u> | | | | | | | |
|---------|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|---|---|---|---|
| Quarter | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Input | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Output | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quarter | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Input | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Output | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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UNCLASSIFIED

| BUDGET ITEM JUSTIFICATION (EXHIBIT P-40) | | | | | | | DATE February 2004 |
|--|---------|---------|---------|-----------------------------|---------|---------|-----------------------|
| APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT-AIR FORCE/AIRCRAFT Modifications | | | | P-1 ITEM NOMENCLATURE: C-40 | | | |
| | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 |
| COST (In Mil) | \$0.000 | \$0.199 | \$0.187 | \$0.190 | \$0.191 | \$0.000 | \$0.000 |

The C-40 is an FAA certified aircraft. These service bulletins affect safety, product improvement, maintenance and reliability. Service bulletins are issued to correct FAA identified deficiencies. The modifications in FY05 will improve flight safety, reliability, and maintainability. The specific modifications budgeted and programmed are below.

| CLASS | MOD NR | MODIFICATION TITLE | FY-03 | FY-04 | FY-05 | FY-06 | FY-07 | FY-08 | FY-09 | COST TO GO | TOTAL PROG |
|-------------------------------------|--------|------------------------|-------|-------|-------|-------|-------|-------|-------|------------|------------|
| P | 99999S | SERVICE BULLETINS | | 0.1 | 0.1 | 0.1 | 0.1 | | | | 0.4 |
| | 99999X | LOW COST MODIFICATIONS | | 0.1 | 0.1 | 0.1 | 0.1 | | | | 0.4 |
| TOTAL FOR CLASS P | | | 0.0 | 0.2 | 0.2 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 | 0.8 |
| | Z88888 | REPROGRAMMINGS | | 0.1 | | | | | | | 0.1 |
| TOTAL FOR CLASS | | | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| TOTAL FOR WEAPON SYSTEM C-40 | | | 0.0 | 0.3 | 0.2 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 | 0.9 |

Totals may not add due to rounding.

| | | | |
|--|-------------------------------|---------------|--|
| | P-1 SHOPP LIST ITEM NO. 46 | PAGE NO. 1 | |
|--|-------------------------------|---------------|--|

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UNCLASSIFIED

| BUDGET ITEM JUSTIFICATION (EXHIBIT P-40) | | | | | | | DATE February 2004 |
|--|-----------|-----------|-----------|------------------------------|-----------|-----------|-----------------------|
| APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT-AIR FORCE/AIRCRAFT Modifications | | | | P-1 ITEM NOMENCLATURE: C-130 | | | |
| | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 |
| COST (In Mil) | \$218.905 | \$216.641 | \$110.375 | \$298.187 | \$331.259 | \$364.001 | \$528.047 |

This line item funds modifications to the 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 overall goal of the modifications budgeted in FY05 is for Aerospace Rescue and LAIRCM. The specific modifications budgeted and programmed are listed below.

| CLASS | MOD NR | MODIFICATION TITLE | FY-03 | FY-04 | FY-05 | FY-06 | FY-07 | FY-08 | FY-09 | COST TO GO | TOTAL PROG |
|----------------------------|--------|---------------------------|-------|-------|-------|-------|-------|-------|-------|------------|------------|
| P-S | 99999A | LOW COST SAFETY MODIFIC | | | 0.1 | 0.1 | 1.3 | 1.0 | 1.3 | 1.9 | 5.7 |
| TOTAL FOR CLASS P-S | | | 0.0 | 0.0 | 0.1 | 0.1 | 1.3 | 1.0 | 1.3 | 1.9 | 5.7 |
| P | _3773 | NP2000 | 5.0 | | | | | | | | 5.0 |
| | 11130 | PODDED RECONNAISSANCE | | 5.4 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | | 17.3 |
| | 17605B | AUTOPILOT/GCAS | 7.2 | 2.9 | 1.5 | | | | | | 260.2 |
| | 18600B | ELECTRICAL SYSTEM UPGRA | 6.3 | 3.4 | | | | | | | 105.3 |
| | 18603B | FUEL QTY SYS UPGRADE ON | 1.3 | | | | | | | | 18.7 |
| | 3455 | AIRLIFT DEFENSIVE SYSTEM | 0.5 | | | | | | | | 118.5 |
| | 6040 | ENGINES | 7.8 | | | | | | | | 37.9 |
| | 8220 | ALR-69 (RWR) | 0.6 | 17.9 | 0.1 | 42.5 | 33.0 | 36.7 | 36.4 | 30.7 | 729.0 |
| | 8385 | AN/AAQ-22M (FLIR) | 1.6 | 0.2 | | | | | | | 12.0 |
| | 8424 | AEROSPACE RESCUE AND R | 17.9 | 33.1 | 29.6 | 20.0 | | | | | 214.5 |
| | 8448 | BLEED AIR DUCT REPLACEM | 0.5 | | | | | | | | 6.4 |
| | 8455 | INSTALLATION OF AN/APN-24 | 4.0 | 14.2 | 3.4 | | | | | | 88.4 |
| | 8517 | C-130 AVIONICS MODERNIZA | | | | 111.4 | 156.7 | 247.4 | 425.3 | 2,298.9 | 31,251.0 |
| | 8520 | NVIS | 1.0 | 0.3 | | | | | | | 9.5 |
| | 8523 | WC130J RADAR | 21.0 | | | | | | | | 21.0 |
| | 8526 | ENHANCED TCAS (TCAS II) | 32.5 | 27.4 | 7.3 | 18.7 | | | | | 294.3 |

Totals may not add due to rounding.

| | | |
|--|-------------------------------|---------------|
| | P-1 SHOPP LIST ITEM NO. 47 | PAGE NO. 1 |
|--|-------------------------------|---------------|

UNCLASSIFIED

| BUDGET ITEM JUSTIFICATION (EXHIBIT P-40) | | | | | | | DATE February 2004 |
|--|-----------|-----------|-----------|------------------------------|-----------|-----------|-----------------------|
| APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT-AIR FORCE/AIRCRAFT Modifications | | | | P-1 ITEM NOMENCLATURE: C-130 | | | |
| | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 |
| COST (In Mil) | \$218.905 | \$216.641 | \$110.375 | \$298.187 | \$331.259 | \$364.001 | \$528.047 |

This line item funds modifications to the 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 overall goal of the modifications budgeted in FY05 is for Aerospace Rescue and LAIRCM. The specific modifications budgeted and programmed are listed below.

| CLASS | MOD NR | MODIFICATION TITLE | FY-03 | FY-04 | FY-05 | FY-06 | FY-07 | FY-08 | FY-09 | COST TO GO | TOTAL PROG |
|-------|--------|---------------------------|-------|-------|-------|-------|-------|-------|-------|------------|------------|
| | 8558 | INSTALLATION OF 3 RECORD | 0.1 | | | | | | | | 0.8 |
| | 8561 | SYNCHROPHASER WIRE (C-1 | 3.3 | 4.5 | 3.2 | | | | | | 22.9 |
| | 8562 | C-130 GENERATOR DISCONN | 1.6 | | | | | | | | 7.0 |
| | 8577 | ALE-47 CHAFF AND FLARE DI | 15.9 | 21.3 | | | | | | | 102.5 |
| | 8578 | C-130 SYSTEMS/STRUCTURE | | | 4.4 | 6.9 | 10.7 | 12.2 | 12.3 | 45.1 | 285.7 |
| | 8591 | ALR-69 UPGRADE | | | 6.2 | 10.1 | 11.2 | 11.6 | 11.8 | 1.6 | 108.2 |
| | 8626 | C-130 SIMULATOR UPGRADE | 14.3 | | | | | | | | 28.8 |
| | 8629 | LARGE AIRCRAFT INFRARED | 37.3 | 42.2 | 29.3 | 5.5 | 65.1 | | | | 397.8 |
| | 8651 | AAR-47 SENSOR UPGRADE | | 7.2 | 5.1 | 4.8 | | | | | 32.6 |
| | 8677 | HC-130P/N UNIVERSAL AERIA | | | | | 27.2 | 25.8 | 26.2 | 53.9 | 379.3 |
| | 8726 | USM-464 TESTER MODIFICATI | | 6.3 | | | | | | | 6.3 |
| | 9119 | ARC-222 RADIOS | 3.1 | | | | | | | | 5.7 |
| | 9120 | AIRBORNE FIRE FIGHTING SY | 4.8 | | | | | | | | 6.4 |
| | 9121 | MC-130 AIR CONDITIONING | | 2.8 | 1.8 | 7.1 | 7.8 | | | | 48.7 |
| | 9122 | APN-241 RADAR - AFSOC | | 5.7 | 2.2 | 4.3 | 0.6 | | | | 25.2 |
| | 9123 | AC-130 KILL CHAIN ARC-131 | | | | 3.0 | | | | | 7.7 |
| | 9124 | CENTER WING BOX, AFSOC | | | | | 11.6 | 23.8 | 8.9 | | 72.0 |
| | 9126 | AC-130 LINK 16 GUNSHIP | | | 11.7 | 24.0 | | | | | 35.7 |

Totals may not add due to rounding.

| | | | |
|--|-------------------------------|---------------|--|
| | P-1 SHOPP LIST ITEM NO. 47 | PAGE NO. 2 | |
|--|-------------------------------|---------------|--|

UNCLASSIFIED

| BUDGET ITEM JUSTIFICATION (EXHIBIT P-40) | | | | | | | DATE February 2004 |
|--|-----------|-----------|-----------|------------------------------|-----------|-----------|-----------------------|
| APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT-AIR FORCE/AIRCRAFT Modifications | | | | P-1 ITEM NOMENCLATURE: C-130 | | | |
| | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 |
| COST (In Mil) | \$218.905 | \$216.641 | \$110.375 | \$298.187 | \$331.259 | \$364.001 | \$528.047 |

This line item funds modifications to the 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 overall goal of the modifications budgeted in FY05 is for Aerospace Rescue and LAIRCM. The specific modifications budgeted and programmed are listed below.

| CLASS | MOD NR | MODIFICATION TITLE | FY-03 | FY-04 | FY-05 | FY-06 | FY-07 | FY-08 | FY-09 | COST TO GO | TOTAL PROG |
|--------------------------------------|--------|------------------------|-------|-------|-------|-------|-------|-------|-------|------------|------------|
| | 99999M | MISC SIMULATOR UPDATES | | | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 1.9 | 2.4 |
| | 99999S | SERVICE BULLETINS | | | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 1.9 | 2.8 |
| | 99999X | LOW COST MODIFICATIONS | 1.3 | | 0.1 | 0.1 | 1.8 | 1.8 | 1.8 | 1.9 | 15.4 |
| | DC101 | FM IMMUNITY | 0.1 | | | | | | | | 8.7 |
| | SCOUT | ANG SENIOR SCOUT | 17.4 | 11.3 | 3.2 | 3.3 | 3.4 | 1.0 | 1.0 | | 40.5 |
| | Z88888 | REPROGRAMMINGS | 12.8 | 10.5 | | | | | | | 36.4 |
| TOTAL FOR CLASS P | | | 219.3 | 216.6 | 109.7 | 262.3 | 329.9 | 361.0 | 524.3 | 2,435.9 | 34,868.6 |
| | 8678 | HC-130 SIMULATOR | | | 0.8 | 36.1 | 0.4 | 2.2 | 2.6 | | 71.8 |
| TOTAL FOR CLASS | | | 0.0 | 0.0 | 0.8 | 36.1 | 0.4 | 2.2 | 2.6 | 0.0 | 71.8 |
| TOTAL FOR WEAPON SYSTEM C-130 | | | 219.3 | 216.6 | 110.6 | 298.5 | 331.5 | 364.2 | 528.2 | 2,437.8 | 34,946.1 |

Totals may not add due to rounding.

| | | | |
|--|-------------------------------|---------------|--|
| | P-1 SHOPP LIST ITEM NO. 47 | PAGE NO. 3 | |
|--|-------------------------------|---------------|--|

02/13/2004
 FY 2005 PB
 Modification Title and No: NP2000 MN-_3773

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: C-130 Class P

Models of Aircraft Affected:

Center: WRALC Robins AFB GA

PE 0401115F

Team MOBIL

Description/Justification

Aircraft Breakdown: Active , Reserve , ANG , Total 0

Development Status

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | | | | | | | | | | | | |
| KITS NONRECUR | | | | | | | | | | | | |
| EQUIPMENT | | | | | | | | | | | | |
| EQUIP NONREC | | | | | | | | | | | | |
| CHANGE ORDERS | | | | 4.968 | | | | | | | | |
| DATA | | | | | | | | | | | | |
| SIM/TRAINER | | | | | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | | | | | |
| TOTAL COST (BP-1100) | | | | 4.968 | | | | | | | | |
| (Totals may not add due to rounding) | | | | 4.968 | | | | | | | | |

(Continued)

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|-------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | |
| RDT&E (3600) | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | |
| INSTALL KITS | | | | | | | | | |
| KITS NONRECUR | | | | | | | | | |
| EQUIPMENT | | | | | | | | | |
| EQUIP NONREC | | | | | | | | | |
| CHANGE ORDERS | | | | | | | | 4.968 | |
| DATA | | | | | | | | | |
| SIM/TRAINER | | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | | |
| TOTAL COST (BP-1100) | <hr/> | | | | | | | | 4.968 |
| (Totals may not add due to rounding) | | | | | | | | | 4.968 |

Method of Implementation:

Initial Lead Time: 0 Months

Follow-On Lead Time: 0 Months

Milestones

| | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> | <u>FY-06</u> | <u>FY-07</u> | <u>FY-08</u> | <u>FY-09</u> | <u>FY-10</u> | <u>FY-11</u> | <u>FY-12</u> | <u>FY-13</u> | <u>FY-14</u> | <u>FY-15</u> | <u>FY-16</u> |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | | | | | | | | | | | | | | |
| Delivery Date (Month/CY) | | | | | | | | | | | | | | | |
| Contract Date (Month/CY) | | | | | | | | | | | | | | | |
| Delivery Date (Month/CY) | | | | | | | | | | | | | | | |

UNCLASSIFIED
MODIFICATION OF AIRCRAFT

02/13/2004
FY 2005 PB
Modification Title and No: PODDED RECONNAISSANCE SYSTEM MN-11130

Exhibit P3A Congressional
Appropriation: Aircraft Procurement, Air Force
CLC: C-130 Class P

Models of Aircraft Affected: Multiple

Center: ASC - Wright Patterson AFB, OH

PE 0207217F

Team INFO

Description/Justification

The Podded Reconnaissance System (PRS) modifies wing mounted pods containing reconnaissance systems for Air National Guard (ANG) F-16s and ANG C-130s. SCATHE VIEW is a low profile, situation awareness imagery system to be used by the Warfighter in low threat environments. The system consists of C-130s, modified to carry the sensor and operator pallet, an Electro-Optic/Infrared (EO/IR) imagery sensor, and a PC based ground processing station. The sensor and operator's operator pallet are easily moved from aircraft to aircraft. FY00 funds modify eight Reno Air National Guard (ANG) C-130s to carry identical imagery sensor suites and updates the USAFE operator pallets to a common configuration. The two (2) update kits are listed as change orders for funding purposes. Three suites of sensors are being purchased for the ANG.

Aircraft Breakdown: Active 0, Reserve 0, ANG 8, Total 8

Development Status

N/A

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | 8 | 0.800 | | | | 0.573 | | 0.468 | | 0.475 | | 0.476 |
| KITS NONRECUR | | 0.808 | | | | 4.827 | | | | | | |
| EQUIPMENT | 3 | 5.410 | | | | | | | | | | |
| EQUIP NONREC | | 0.968 | | | | | | | | | | |
| CHANGE ORDERS | 2 | 1.109 | | | | | | | | | | |
| DATA | | | | | | | | | | | | |
| SIM/TRAINER | | | | | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | | | | | |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| FY-00 8 KITS | 8 | 0.400 | | | | | | | | | | |
| TOTAL INSTALL | 8 | 0.400 | | | | | | | | | | |
| TOTAL COST (BP-1100) | | | | | | | | | | | | |
| (Totals may not add due to rounding) | 8 | 9.495 | | | | 5.400 | | 0.468 | | 0.475 | | 0.476 |
| INSTALLATION QTY | 8 | | | | | | | | | | | |

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | 0.490 | | 0.500 | | | 8 | 3.782 |
| KITS NONRECUR | | | | | | | | 5.635 |
| EQUIPMENT | | | | | | | [3] | 5.410 |
| EQUIP NONREC | | | | | | | | 0.968 |
| CHANGE ORDERS | | | | | | | [2] | 1.109 |
| DATA | | | | | | | | |
| SIM/TRAINER | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | |
| INSTALLATION OF HARDWARE | | | | | | | | |
| FY-00 8 KITS | | | | | | | [8] | 0.400 |
| TOTAL INSTALL | | | | | | | 8 | 0.400 |
| TOTAL COST (BP-1100) | | 0.490 | | 0.500 | | | 8 | 17.304 |
| (Totals may not add due to rounding) | | | | | | | | |
| INSTALLATION QTY | | | | | | | 8 | |

Method of Implementation: CONTRACT FIELD TEAM

Initial Lead Time: 8 Months

Follow-On Lead Time: 8 Months

Milestones

| | <u>FY-99</u> | <u>FY-00</u> |
|--------------------------|--------------|--------------|
| Contract Date (Month/CY) | | 12/00 |
| Delivery Date (Month/CY) | | 08/01 |

Installation Schedule

| | Quarter | <u>FY-99</u> | | | | <u>FY-00</u> | | | | <u>FY-01</u> | | | | |
|--------|---------|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | |
| Input | | | | | | | | | | | | | | 8 |
| Output | | | | | | | | | | | | | | 8 |

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

02/13/2004
 FY 2005 PB
 Modification Title and No: AUTOPILOT/GCAS MN-17605B

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: C-130 Class P

Models of Aircraft Affected: ALL C-130

Center: WRALC Robins AFB GA

PE 0401115F Team MOBIL

Description/Justification

This modification is a three part program. Part one- replaces the obsolete E-4 Autopilot system with the AYW-1 Autopilot and installs the Ground Collision Avoidance System (GCAS) on selected C-130 aircraft. Part two- replaces the obsolete E-4 Autopilot system with a dual AYW-1 Autopilot system and GCAS on MC-130H, AC-130U, and 3 C-130H(2) aircraft. Part three-replaces the obsolete Ground Proximity Warning System with the GCAS on selected C-130H and LC-130H aircraft. 631 kits bought but only 617 installed due to retirement of 13 C-130E aircraft and lost of an MCc-130P Extra kits will be used for spares.

PMD 2264(8), 7 Jul 99.

(Part One)

| | ACC | AMC | AETC | AFRC | ANG | PACAF | USAFE | AFSOC | TOTAL |
|----------|-----|-----|------|------|-----|-------|-------|-------|-------|
| C-130E | 1 | 40 | 30 | 24 | 57 | 13 | 19 | 4 | 188 |
| C-130H | | 29 | | | | 18 | | | 47 |
| AC-130H | | | | | | | | 8 | 8 |
| EC-130E | 7 | | | | 2 | | | | 9 |
| EC-130H | 15 | | | | | | | | 15 |
| HC-130N | | | | 4 | | | | | 4 |
| HC-130P | 11 | | 2 | 6 | 3 | | | | 22 |
| WC-130H | | | | 10 | | | | | 10 |
| MC-130E | | | | 14 | | | | | 14 |
| MC-130P | | | 4 | | 4 | | | 19 | 28 |
| SUBTOTAL | 34 | 69 | 36 | 58 | 66 | 31 | 19 | 31 | 344 |

(Part Two)

| | AFSOC | ANG | AETC | TOTAL |
|-----------|-------|-----|------|-------|
| AC-130U | 13 | | | 13 |
| MC-130H | 21 | | 3 | 24 |
| C-130H(2) | | 3 | | 3 |
| SUBTOTAL | 37 | 3 | 3 | 40 |

(Part Three)

| | ANG | AFRC | AMC | TOTAL |
|----------|-----|------|-----|-------|
| C-130H | 134 | 75 | 14 | 223 |
| LC-130H | 7 | | | 7 |
| HC-130N | 3 | | | 3 |
| SUBTOTAL | 144 | 75 | 14 | 233 |

FY00 kit buys are all autopilot kits (no GCAS) including 20 duals & 55 AFSOC/Spec Mission kits resulting in higher kit unit cost. FY00 was last contract option & required a 2 year install schedule due to # of AFSOC/Spec Mission a/c. Renegotiation would have resulted in even higher kit costs (est 30-50% incr due to contractor shut down and tool-up time).

Aircraft Breakdown: Active 271, Reserve 133, ANG 213, Total 617

Development Status

N/A.

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | 620 | 27.406 | | | | | | | | | | |
| KITS NONRECUR | 11 | 8.132 | | | | | | | | | | |
| EQUIPMENT | 620 | 75.361 | | | | | | | | | | |
| EQUIP NONREC | 11 | 37.750 | | | | | | | | | | |
| CHANGE ORDERS | | | | 0.573 | | | | | | | | |
| DATA | | 11.074 | | | | | | | | | | |
| SIM/TRAINER | 16 | 7.750 | | | | | | | | | | |
| SUPPORT-EQUIP | | 6.410 | | | | | | | | | | |
| OGC | | 0.033 | | | | | | | | | | |
| SOFTWARE | | 7.318 | | | | | | | | | | |
| WARRANTY | | 2.533 | | | | | | | | | | |
| FLT TEST | | 0.970 | | | | | | | | | | |
| T.O. Printing | | 0.309 | | | | | | | | | | |
| TRAINING | | | | | | | | | | | | |
| ICS | | 0.550 | | | | | | | | | | |
| OTHER REPROG | | | | | | | | | | | | |
| OGC | | 0.961 | | 0.832 | | 0.507 | | | | | | |
| PMA | | 7.813 | | | | | | | | | | |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| FY-92 1 KITS | 1 | 0.001 | | | | | | | | | | |
| FY-94 111 KITS | 111 | 5.041 | | | | | | | | | | |
| FY-96 148 KITS | 148 | 14.163 | | | | | | | | | | |
| FY-97 116 KITS | 116 | 8.813 | | | | | | | | | | |
| FY-98 65 KITS | 65 | 3.661 | | | | | | | | | | |
| FY-99 79 KITS | 79 | 5.397 | | | | | | | | | | |
| FY-00 111 KITS | 56 | 7.204 | [25] | 5.762 | [9] | 2.422 | [7] | 1.506 | | | | |
| TOTAL INSTALL | 576 | 44.280 | 25 | 5.762 | 9 | 2.422 | 7 | 1.506 | | | | |
| TOTAL COST (BP-1100) | | | | | | | | | | | | |
| (Totals may not add due to rounding) | 631 | 246.039 | | 7.167 | | 2.929 | | 1.506 | | | | |
| INSTALLATION QTY | 576 | | 25 | | 9 | | 7 | | | | | |

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | 620 | 27.406 |
| KITS NONRECUR | | | | | | | 11 | 8.132 |
| EQUIPMENT | | | | | | | [620] | 75.361 |
| EQUIP NONREC | | | | | | | [11] | 37.750 |
| CHANGE ORDERS | | | | | | | | 7.962 |
| DATA | | | | | | | | 11.074 |
| SIM/TRAINER | | | | | | | [16] | 7.750 |
| SUPPORT-EQUIP | | | | | | | | 6.410 |
| OGC | | | | | | | | 0.033 |
| SOFTWARE | | | | | | | | 7.318 |
| WARRANTY | | | | | | | | 2.533 |
| FLT TEST | | | | | | | | 0.970 |
| T.O. Printing | | | | | | | | 0.309 |
| TRAINING | | | | | | | | |
| ICS | | | | | | | | 0.550 |
| OTHER REPROG | | | | | | | | |
| OGC | | | | | | | | 2.300 |
| PMA | | | | | | | | 7.813 |
| INSTALLATION OF HARDWARE | | | | | | | | |
| FY-92 1 KITS | | | | | | | [1] | 0.001 |
| FY-94 111 KITS | | | | | | | [111] | 5.041 |
| FY-96 148 KITS | | | | | | | [148] | 14.163 |
| FY-97 116 KITS | | | | | | | [116] | 8.813 |
| FY-98 65 KITS | | | | | | | [65] | 3.661 |
| FY-99 79 KITS | | | | | | | [79] | 5.397 |
| FY-00 111 KITS | | | | | | | [97] | 16.894 |
| TOTAL INSTALL | | | | | | | 617 | 53.970 |
| TOTAL COST (BP-1100) | | | | | | | 631 | 257.641 |
| (Totals may not add due to rounding) | | | | | | | | |
| INSTALLATION QTY | | | | | | | 617 | |

Method of Implementation: DEPOT/FIELD TEAM

Initial Lead Time: 24 Months

Follow-On Lead Time: 12 Months

Milestones

| | <u>FY-91</u> | <u>FY-92</u> | <u>FY-93</u> | <u>FY-94</u> | <u>FY-95</u> | <u>FY-96</u> | <u>FY-97</u> | <u>FY-98</u> | <u>FY-99</u> | <u>FY-00</u> |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | 06/92 | | 09/94 | | 06/96 | 03/97 | 06/98 | 01/99 | 12/99 |
| Delivery Date (Month/CY) | | 06/94 | | 06/95 | | 06/97 | 03/98 | 06/99 | 01/00 | 12/00 |

Installation Schedule

| | <u>FY-91</u> | | | | <u>FY-92</u> | | | | <u>FY-93</u> | | | | <u>FY-94</u> | | | | <u>FY-95</u> | | | | <u>FY-96</u> | | | | <u>FY-97</u> | | | | <u>FY-98</u> | | | | | | | |
|---------|--------------|----|----|----|--------------|----|----|----|--------------|----|----|----|--------------|----|----|----|--------------|---|---|----|--------------|----|----|----|--------------|----|----|----|--------------|----|----|----|---|---|---|---|
| Quarter | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Input | | | | | | | 1 | | | | | | | 1 | 8 | 8 | 8 | 8 | 7 | 16 | 17 | 16 | 17 | 10 | 10 | 10 | 11 | 18 | 17 | 18 | 17 | 17 | | | | |
| Output | | | | | | | 1 | | | | | | | 1 | 8 | 8 | 8 | 8 | 7 | 16 | 17 | 16 | 17 | 10 | 10 | 10 | 11 | 18 | 17 | 18 | 17 | 17 | | | | |
| | <u>FY-99</u> | | | | <u>FY-00</u> | | | | <u>FY-01</u> | | | | <u>FY-02</u> | | | | <u>FY-03</u> | | | | <u>FY-04</u> | | | | <u>FY-05</u> | | | | | | | | | | | |
| Quarter | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | |
| Input | 38 | 38 | 34 | 33 | 26 | 26 | 26 | 26 | 18 | 18 | 19 | 19 | 11 | 11 | 11 | 12 | 7 | 6 | 6 | 6 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 1 | | | | |
| Output | 38 | 38 | 34 | 33 | 26 | 26 | 26 | 26 | 18 | 18 | 19 | 19 | 11 | 11 | 11 | 12 | 7 | 6 | 6 | 6 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 1 | | | | |

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

02/13/2004
 FY 2005 PB
 Modification Title and No: ELECTRICAL SYSTEM UPGRADE MN-18600B

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: C-130 Class P

Models of Aircraft Affected: C-130E/H/N/P/U

Center: WRALC Robins AFB GA

PE 0401115F Team MOBIL

Description/Justification

This mod upgrades the C-130 electrical power system that was designed in the 1950's. Modern avionic systems are dependent on solid-state circuits and computer support which makes them more susceptible to disruptive electrical transients/spikes within the system. The C-130 will continue to be a viable part of the airlift forces into the next century and will need 'clean' electrical power for new avionics systems to operate properly and reliably. PMD 2264(2). AFSOC: 4E's ACC: 1E, 4ECE's, 15 ECH's, 11 HP's AETC: 3E's, 2 HP's AFRC: 24E's, 55H's, 4HN's, 6HP's, 3WH's AMC: 33E's, 29H's ANG: 42E's, 104H's, 3HN's, 3HP's, 7LH's PACAF: 13 E's, 18H's USAFE: 4E's. Total buy was 437; revised installation total is 388 based HQ AMC decision to not modify C-130E aircraft scheduled retirement.

Aircraft Breakdown: Active 137, Reserve 92, ANG 159, Total 388

Development Status

N/A..

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------|-------|--------|-------|-------|-------|-------|-------|------|-------|------|-------|------|
| | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | 433 | 58.607 | | | | | | | | | | |
| KITS NONRECUR | 4 | 2.567 | | | | | | | | | | |
| EQUIPMENT | 257 | 6.336 | | | | | | | | | | |
| EQUIP NONREC | | | | | | | | | | | | |
| CHANGE ORDERS | | 1.813 | | 0.900 | | 0.180 | | | | | | |
| DATA | | 2.957 | | 0.900 | | | | | | | | |
| SIM/TRAINER | | | | | | | | | | | | |
| SUPPORT-EQUIP | | 0.079 | | | | | | | | | | |
| FLIGHT TEST | | 0.110 | | | | | | | | | | |
| REFURB | | | | | | | | | | | | |
| WARRANTY | | | | 0.264 | | 0.200 | | | | | | |
| OGC | | 2.932 | | 0.050 | | 0.050 | | | | | | |
| DEPOT | | | | 1.397 | | | | | | | | |
| OTHER | | 0.209 | | 0.450 | | | | | | | | |
| PMA | | 1.420 | | 1.085 | | 0.900 | | | | | | |

Projected Financial Plan Continued

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| FY-92 | 2 | 0.101 | | | | | | | | | | |
| FY-93 | 2 | 0.109 | | | | | | | | | | |
| FY-94 | 62 | 2.202 | | | | | | | | | | |
| FY-95 | 22 | 0.962 | | | | | | | | | | |
| FY-96 | 42 | 2.401 | | | | | | | | | | |
| FY-97 | 54 | 3.900 | | | | | | | | | | |
| FY-99 | 73 | 2.214 | | | | | | | | | | |
| FY-00 | 180 | 0.292 | [58] | 1.260 | [58] | 2.063 | | | | | | |
| TOTAL INSTALL | 272 | 12.181 | 58 | 1.260 | 58 | 2.063 | | | | | | |
| TOTAL COST (BP-1100) | | | | | | | | | | | | |
| (Totals may not add due to rounding) | 437 | 89.211 | | 6.306 | | 3.393 | | | | | | |
| INSTALLATION QTY | 272 | | 58 | | 58 | | | | | | | |

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | 433 | 58.607 |
| KITS NONRECUR | | | | | | | 4 | 2.567 |
| EQUIPMENT | | | | | | | [257] | 6.336 |
| EQUIP NONREC | | | | | | | | |
| CHANGE ORDERS | | | | | | | | 2.893 |
| DATA | | | | | | | | 3.857 |
| SIM/TRAINER | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | 0.079 |
| FLIGHT TEST | | | | | | | | 0.110 |
| REFURB | | | | | | | | |
| WARRANTY | | | | | | | | 0.464 |
| OGC | | | | | | | | 3.032 |
| DEPOT | | | | | | | | 1.397 |
| OTHER | | | | | | | | 0.659 |
| PMA | | | | | | | | 3.405 |
| INSTALLATION OF HARDWARE | | | | | | | | |
| FY-92 | 2 | KITS | | | | | [2] | 0.101 |
| FY-93 | 2 | KITS | | | | | [2] | 0.109 |
| FY-94 | 62 | KITS | | | | | [62] | 2.202 |
| FY-95 | 22 | KITS | | | | | [22] | 0.962 |
| FY-96 | 42 | KITS | | | | | [42] | 2.401 |
| FY-97 | 54 | KITS | | | | | [54] | 3.900 |
| FY-99 | 73 | KITS | | | | | [73] | 2.214 |
| FY-00 | 180 | KITS | | | | | [131] | 3.615 |
| TOTAL INSTALL | | | | | | | 388 | 15.504 |
| TOTAL COST (BP-1100) | | | | | | | 437 | 98.910 |
| (Totals may not add due to rounding) | | | | | | | | |
| INSTALLATION QTY | | | | | | | 388 | |

Method of Implementation: DEPOT/FIELD TEAM

Initial Lead Time: 12 Months

Follow-On Lead Time: 12 Months

Milestones

| | <u>FY-91</u> | <u>FY-92</u> | <u>FY-93</u> | <u>FY-94</u> | <u>FY-95</u> | <u>FY-96</u> | <u>FY-97</u> | <u>FY-98</u> | <u>FY-99</u> | <u>FY-00</u> | <u>FY-01</u> | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | | 06/94 | 06/94 | 06/95 | 06/96 | 12/96 | | 12/98 | 12/99 | 12/00 | 12/01 | 12/02 | 12/03 |
| Delivery Date (Month/CY) | | | 06/95 | 06/95 | 06/96 | 06/97 | 12/97 | | 12/99 | 12/00 | 12/01 | 12/02 | 12/03 | 12/04 |

Installation Schedule

| | <u>FY-91</u> | | | | <u>FY-92</u> | | | | <u>FY-93</u> | | | | <u>FY-94</u> | | | | <u>FY-95</u> | | | | <u>FY-96</u> | | | | <u>FY-97</u> | | | | <u>FY-98</u> | | | | | | | |
|---------|--------------|--------------|----|----|--------------|--------------|----|----|--------------|--------------|---|---|--------------|--------------|---|---|--------------|--------------|---|---|--------------|--------------|---|---|--------------|---|---|---|--------------|---|---|---|---|---|---|---|
| Quarter | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Input | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Output | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quarter | 1 | <u>FY-99</u> | | | 1 | <u>FY-00</u> | | | 1 | <u>FY-01</u> | | | 1 | <u>FY-02</u> | | | 1 | <u>FY-03</u> | | | 1 | <u>FY-04</u> | | | | | | | | | | | | | | |
| Input | 20 | 20 | 20 | 20 | 20 | 21 | 21 | 28 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Output | 20 | 20 | 20 | 20 | 20 | 21 | 21 | 28 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

02/13/2004
 FY 2005 PB
 Modification Title and No: FUEL QTY SYS UPGRADE ON C-130H MN-18603B

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: C-130 Class P

Models of Aircraft Affected: EC-130H/C130H

Center: WRALC Robins AFB GA

PE 0401115F

Team MOBIL

Description/Justification

Modification upgrades the fuel quantity system on early (FY73-74) E/C-130H aircraft by installing externally mounted fuel probes. These are the same probes installed on the later H-model aircraft, so no new development is required. Installation of the external probes is accomplished by installation of a new outer wing (when available from retiring E-models) which already have external probes. 12 EC-130H are also receiving digital fuel quantity indicators. Modification decreases maintenance hours approximately 90 hours per probe due to improved accessibility and increases MTBF of the fuel indicators to 3500 hours. PMD 2265(4), Appendix M. ACC: 12 ECH Compass Call; AMC: 29 H-1, 1 Prototype (H1 Wing); PACAF: 18 H-1. Install costs for FY03 much higher than previous years due to previous years modifications were done in conjunction with Programmed Depot Maintenance (PDM). Aircraft for FY03 are being done as drop-in maintenance, not in conjunction with PDM.

Aircraft Breakdown: Active 62, Reserve 0, ANG 0, Total 62

Development Status

N/A.

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | 59 | 2.660 | 2 | 0.061 | | | | | | | | |
| KITS NONRECUR | 1 | 0.870 | | | | | | | | | | |
| EQUIPMENT | 59 | 2.351 | [2] | 0.136 | | | | | | | | |
| EQUIP NONREC | 1 | 0.100 | | | | | | | | | | |
| CHANGE ORDERS | | | | | | | | | | | | |
| DATA | | 0.023 | | | | | | | | | | |
| SIM/TRAINER | | | | | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | | | | | |
| SHIPPING FIXTURES | | 0.536 | | | | | | | | | | |
| OTHER | | 0.212 | | | | | | | | | | |

Projected Financial Plan Continued

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| FY-92 | 3 | 0.301 | | | | | | | | | | |
| FY-93 | 11 | 2.605 | | | | | | | | | | |
| FY-94 | 20 | 4.248 | | | | | | | | | | |
| FY-99 | 7 | 1.060 | | | | | | | | | | |
| FY-00 | 5 | 0.789 | | | | | | | | | | |
| FY-01 | 8 | 0.924 | | | | | | | | | | |
| FY-02 | 6 | 0.377 | | | | | | | | | | |
| FY-03 | 2 | | | | | | | | | | | |
| TOTAL INSTALL | 60 | 10.304 | 2 | 1.080 | | | | | | | | |
| TOTAL COST (BP-1100) | | | | | | | | | | | | |
| (Totals may not add due to rounding) | 60 | 17.056 | 2 | 1.277 | | | | | | | | |
| INSTALLATION QTY | 60 | | 2 | | | | | | | | | |

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | 61 | 2.721 |
| KITS NONRECUR | | | | | | | 1 | 0.870 |
| EQUIPMENT | | | | | | | [61] | 2.487 |
| EQUIP NONREC | | | | | | | [1] | 0.100 |
| CHANGE ORDERS | | | | | | | | |
| DATA | | | | | | | | 0.023 |
| SIM/TRAINER | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | |
| SHIPPING FIXTURES | | | | | | | | 0.536 |
| OTHER | | | | | | | | 0.212 |
| INSTALLATION OF HARDWARE | | | | | | | | |
| FY-92 3 KITS | | | | | | | [3] | 0.301 |
| FY-93 11 KITS | | | | | | | [11] | 2.605 |
| FY-94 20 KITS | | | | | | | [20] | 4.248 |
| FY-99 7 KITS | | | | | | | [7] | 1.060 |
| FY-00 5 KITS | | | | | | | [5] | 0.789 |
| FY-01 8 KITS | | | | | | | [8] | 0.924 |
| FY-02 6 KITS | | | | | | | [6] | 0.377 |
| FY-03 2 KITS | | | | | | | [2] | 1.080 |
| TOTAL INSTALL | | | | | | | 62 | 11.384 |
| TOTAL COST (BP-1100) | | | | | | | 62 | 18.333 |
| (Totals may not add due to rounding) | | | | | | | | |
| INSTALLATION QTY | | | | | | | 62 | |

Method of Implementation: DEPOT/FIELD TEAM

Initial Lead Time: 18 Months

Follow-On Lead Time: 6 Months

Milestones

| | <u>FY-91</u> | <u>FY-92</u> | <u>FY-93</u> | <u>FY-94</u> | <u>FY-95</u> | <u>FY-96</u> | <u>FY-97</u> | <u>FY-98</u> | <u>FY-99</u> | <u>FY-00</u> | <u>FY-01</u> | <u>FY-02</u> |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | 03/92 | 03/93 | 03/94 | | | | | 12/98 | 12/99 | 12/00 | 12/01 |
| Delivery Date (Month/CY) | | 09/93 | 09/93 | 09/94 | | | | | 06/99 | 06/00 | 06/01 | 06/02 |

Installation Schedule

| | <u>FY-91</u> | | | | <u>FY-92</u> | | | | <u>FY-93</u> | | | | <u>FY-94</u> | | | | <u>FY-95</u> | | | | <u>FY-96</u> | | | | <u>FY-97</u> | | | | <u>FY-98</u> | | | | | | | |
|---------|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|---|---|---|---|
| Quarter | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Input | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 3 | 2 | 5 | 1 | 1 | 3 | 2 | | | | |
| Output | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 2 | 1 | 1 | 2 | | 1 | 3 | 2 | 5 | 1 | 1 | 3 | | | | | |
| Quarter | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | |
| Input | 2 | 1 | 4 | 1 | 2 | 2 | 2 | 1 | 3 | 1 | 5 | 1 | 4 | 3 | 3 | 2 | | | | | 2 | | | | | | | | | | | | | | | |
| Output | 2 | 2 | 1 | 4 | 1 | 2 | 2 | 2 | 1 | 3 | 1 | 5 | 1 | 4 | 3 | 3 | 2 | | | | 2 | | | | | | | | | | | | | | | |

UNCLASSIFIED
MODIFICATION OF AIRCRAFT

02/13/2004
FY 2005 PB
Modification Title and No: ENGINES MN-6040

Exhibit P3A Congressional
Appropriation: Aircraft Procurement, Air Force
CLC: C-130 Class P

Models of Aircraft Affected: C-130H

Center: SA-ALC Kelly AFB, San Antonio, TX

PE 0401115F Team MOBIL

Description/Justification

The T56 engine upgrade portion of this program converts T56-7 and T56-14C engines to T56-15 configuration. The result will be a significant increase in engine performance and reliability. Four QEC configurations are involved: the basic-15 configuration with and without Oil Cooler Augmentation (OCA), and SOF-15 configuration with and without OCA. The QEC quantity will be 30ea. When engine kits are received, QEC and engine kits will be installed/integrated to produce ready for install (RFI) engines.

The SOF requirement on the 6040 Mod is as follows:

Currently, there are three configurations of QEC kits across the AFSOC fleet of C-130s. MC-130H and AC-130U have 60/90 KVA Generator and OCA; AC-130H and MC-130E have 60/90 KVA Generator and no OCA; and MC-130P has 40/60 KVA Generator and no OCA. This modification will begin to standardize the QEC kit configuration equal to that of MC-130H and AC-130U. Procurement of both Group A and B kits and spares are required to establish standard QEC across the SOF C-130 fleet. Funding for this requirement is from two sources: AF funds the OCA portion of the QEC and SOCOM funds the 60/90 KVA portion of the QEC. Presently, only the MC-130E and AC-130H are being funded using FY03 Congressional Add.

Aircraft Breakdown: Active 56, Reserve 5, ANG 13, Total 74

Development Status

N/A.

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | 51 | 7.287 | 20 | 0.800 | | | | | | | | |
| KITS NONRECUR | 1 | 0.803 | 2 | 0.240 | | | | | | | | |
| EQUIPMENT | 21 | 4.040 | [20] | 3.104 | | | | | | | | |
| EQUIP NONREC | 1 | 0.192 | [2] | 0.836 | | | | | | | | |
| CHANGE ORDERS | | 1.443 | | 0.699 | | | | | | | | |
| DATA | | 0.733 | | 0.877 | | | | | | | | |
| SIM/TRAINER | | | | | | | | | | | | |
| SUPPORT-EQUIP | | 0.224 | | | | | | | | | | |
| SPARES | 15 | 0.722 | [10] | 0.443 | | | | | | | | |
| OGC | | 0.057 | | 0.620 | | | | | | | | |
| T.O. Printing | | 0.150 | | | | | | | | | | |

Projected Financial Plan Continued

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| FY-00 | 10 | 0.390 | | | | | | | | | | |
| FY-01 | 20 | | | | | | | | | | | |
| FY-02 | 22 | 0.692 | | | | | | | | | | |
| FY-03 | | | [22] | 0.223 | | | | | | | | |
| TOTAL INSTALL | 52 | 1.082 | 22 | 0.223 | | | | | | | | |
| TOTAL COST (BP-1100) | | | | | | | | | | | | |
| (Totals may not add due to rounding) | 52 | 16.733 | 22 | 7.842 | | | | | | | | |
| INSTALLATION QTY | 52 | | 22 | | | | | | | | | |

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | 71 | 8.087 |
| KITS NONRECUR | | | | | | | 3 | 1.043 |
| EQUIPMENT | | | | | | | [41] | 7.144 |
| EQUIP NONREC | | | | | | | [3] | 1.028 |
| CHANGE ORDERS | | | | | | | | 2.142 |
| DATA | | | | | | | | 1.610 |
| SIM/TRAINER | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | 0.224 |
| SPARES | | | | | | | [25] | 1.165 |
| OGC | | | | | | | | 0.677 |
| T.O. Printing | | | | | | | | 0.150 |
| INSTALLATION OF HARDWARE | | | | | | | | |
| FY-00 10 KITS | | | | | | | [10] | 0.390 |
| FY-01 20 KITS | | | | | | | [20] | |
| FY-02 22 KITS | | | | | | | [22] | 0.692 |
| FY-03 22 KITS | | | | | | | [22] | 0.223 |
| TOTAL INSTALL | | | | | | | 74 | 1.305 |
| TOTAL COST (BP-1100) | | | | | | | 74 | 24.575 |
| (Totals may not add due to rounding) | | | | | | | | |
| INSTALLATION QTY | | | | | | | 74 | |

Method of Implementation: CONTRACT FIELD TEAM

Initial Lead Time: 12 Months

Follow-On Lead Time: 0 Months

Milestones

| | <u>FY-99</u> | <u>FY-00</u> | <u>FY-01</u> |
|--------------------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | | 01/01 |
| Delivery Date (Month/CY) | | | 01/02 |

Installation Schedule

| Quarter | <u>FY-99</u> | | | | <u>FY-00</u> | | | | <u>FY-01</u> | | | | <u>FY-02</u> | | | | <u>FY-03</u> | | | | <u>FY-04</u> | | | |
|---------|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|----|---|----|--------------|----|---|---|--------------|---|---|---|
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Input | | | | | | | | | | | | | 5 | 5 | 7 | 10 | 10 | 15 | 5 | 5 | 6 | 6 | | |
| Output | | | | | | | | | 2 | 2 | 7 | 5 | 11 | 11 | 6 | 11 | 7 | 6 | 6 | | | | | |

UNCLASSIFIED
MODIFICATION OF AIRCRAFT

02/13/2004
FY 2005 PB
Modification Title and No: ALR-69 (RWR) MN-8220

Exhibit P3A Congressional
Appropriation: Aircraft Procurement, Air Force
CLC: C-130 Class P

Models of Aircraft Affected: C-130E/H

Center: WRALC Robins AFB GA

PE 0401115F Team MOBIL

Description/Justification

CSAF validated C-MNS implemented by SAF/AQQ 25/2282 Msg PMD. Aircrews flying missions in support of Operation Joint Forge in the Bosnia AOR, are being subjected to an increasing level of electronic threats which need to be modified so not to impact our worldwide airlift mission PMD 2264 (3). Installs Radar Warning Receiver, RWR, on 366 C-130 aircraft. Provides airborne warning of radar directed AAA, Air-Interceptors, and Surface-to-Air threats. Completes C-130 fleet for all aircraft already equipped with Airlift Defensive Systems (ADS). FY95 - ANG provided 2 group B as GFE at no cost to the mod program. Kit unit found Group B assets that belonged to the C-130 RWR program, that's why FY98 and FY99 group B costs are low. In FY99 HQ AMC pulled most of the funding for other programs. Beginning in FY 03 funding was reinstated, during this time ALR-69 evolved into ALR-69A (commonly called PLAID). HQ AMC's requirement is to upgrade existing aircraft to the new ALR-69A configuration and modify selected aircraft to this configuration. This new requirement required NRE funds for two trial installation kits and two kit proofs. Estimated NRE costs (FY03 dollars) are \$3M.

Aircraft Breakdown: Active 117, Reserve 92, ANG 153, Total 362

Development Status

N/A.

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------|-------|--------|-------|-------|-------|--------|-------|-------|-------|--------|-------|--------|
| | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | 85 | 4.497 | | | 14 | 3.500 | | | 64 | 16.000 | 45 | 11.250 |
| KITS NONRECUR | 2 | 4.091 | | | | 1.508 | | | | 1.286 | | 0.365 |
| EQUIPMENT | 83 | 16.202 | | | [14] | 10.220 | | | [64] | 21.056 | [45] | 15.075 |
| EQUIP NONREC | 2 | 0.640 | | | | 1.509 | | | | 0.208 | | |
| CHANGE ORDERS | | 2.935 | | | | | | | | 0.100 | | |
| DATA | | 1.903 | | | | 0.790 | | | | 0.400 | | 0.560 |
| SIM/TRAINER | 2 | 2.784 | | | | | | | [1] | 2.000 | [1] | 0.357 |
| SUPPORT-EQUIP | | 8.237 | | | | | | | | 1.000 | | 0.147 |
| OGC | | 0.114 | | 0.459 | | 0.406 | | 0.036 | | 0.400 | | 0.400 |
| FLT TEST | | 0.005 | | | | | | | | | | |
| T.O. Printing | | 0.011 | | | | | | | | | | |
| REPROGRAM | | | | | | | | | | | | |

Projected Financial Plan Continued

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| FY-94 | 39 | 3.944 | | | | | | | | | | |
| FY-95 | 27 | 1.428 | | | | | | | | | | |
| FY-96 | 16 | 1.529 | | | | | | | | | | |
| FY-98 | 1 | 0.065 | | | | | | | | | | |
| FY-99 | 3 | 0.148 | | | | | | | | | | |
| FY-00 | 1 | | | | | | | | | | | |
| FY-04 | 14 | | | [1] 0.044 | | | | | | | | |
| FY-06 | 64 | | | | | | | [1] 0.062 | | [13] 0.813 | | |
| FY-07 | 45 | | | | | | | | | [64] 4.000 | | |
| FY-08 | 56 | | | | | | | | | | | |
| FY-09 | 56 | | | | | | | | | | | |
| FY-10 | 28 | | | | | | | | | | | |
| FY-11 | 7 | | | | | | | | | | | |
| FY-12 | 5 | | | | | | | | | | | |
| TOTAL INSTALL | 86 | 7.114 | 1 | 0.044 | | | | | 1 | 0.062 | 77 | 4.813 |
| TOTAL COST (BP-1100) (Totals may not add due to rounding) | 87 | 48.533 | | 0.503 | 14 | 17.933 | | 0.036 | 64 | 42.512 | 45 | 32.967 |
| INSTALLATION QTY | 86 | | 1 | | | | | | 1 | | 77 | |

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | 56 | 14.000 | 56 | 14.000 | 40 | 10.000 | 360 | 73.247 |
| KITS NONRECUR | | | | | | | 2 | 7.250 |
| EQUIPMENT | [56] | 18.480 | [56] | 18.368 | [40] | 12.446 | [358] | 111.847 |
| EQUIP NONREC | | | | | | | [2] | 2.357 |
| CHANGE ORDERS | | | | | | 0.588 | | 3.623 |
| DATA | | 0.112 | | | | | | 3.765 |
| SIM/TRAINER | [1] | 0.339 | | | | | [5] | 5.480 |
| SUPPORT-EQUIP | | 0.500 | | | | | | 9.884 |
| OGC | | 0.460 | | 0.524 | | 1.694 | | 4.493 |
| FLT TEST | | | | | | | | 0.005 |
| T.O. Printing | | | | | | | | 0.011 |
| REPROGRAM | | | | | | | | |
| INSTALLATION OF HARDWARE | | | | | | | | |
| FY-94 39 KITS | | | | | | | [39] | 3.944 |
| FY-95 27 KITS | | | | | | | [27] | 1.428 |
| FY-96 16 KITS | | | | | | | [16] | 1.529 |
| FY-98 1 KITS | | | | | | | [1] | 0.065 |
| FY-99 3 KITS | | | | | | | [3] | 0.148 |
| FY-00 1 KITS | | | | | | | [1] | 0.044 |
| FY-04 14 KITS | | | | | | | [14] | 0.875 |
| FY-06 64 KITS | | | | | | | [64] | 4.000 |
| FY-07 45 KITS | [45] | 2.813 | | | | | [45] | 2.813 |
| FY-08 56 KITS | | | [56] | 3.500 | | | [56] | 3.500 |
| FY-09 56 KITS | | | | | [56] | 3.500 | [56] | 3.500 |
| FY-10 28 KITS | | | | | [28] | 1.750 | [28] | 1.750 |
| FY-11 7 KITS | | | | | [7] | 0.438 | [7] | 0.438 |
| FY-12 5 KITS | | | | | [5] | 0.314 | [5] | 0.314 |
| TOTAL INSTALL | 45 | 2.813 | 56 | 3.500 | 96 | 6.002 | 362 | 24.348 |
| TOTAL COST (BP-1100) | | | | | | | | |
| (Totals may not add due to rounding) | 56 | 36.704 | 56 | 36.392 | 40 | 30.730 | 362 | 246.310 |
| INSTALLATION QTY | 45 | | 56 | | 96 | | 362 | |

Method of Implementation: COMBINATION

Initial Lead Time: 24 Months

Follow-On Lead Time: 12 Months

Milestones

| | <u>FY-93</u> | <u>FY-94</u> | <u>FY-95</u> | <u>FY-96</u> | <u>FY-97</u> | <u>FY-98</u> | <u>FY-99</u> | <u>FY-00</u> | <u>FY-01</u> | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> | <u>FY-06</u> | <u>FY-07</u> |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | 04/94 | 06/95 | 09/96 | | 06/98 | | | | | 12/02 | 07/04 | 12/05 | 12/05 | 12/06 |
| Delivery Date (Month/CY) | | 06/94 | 12/95 | 03/97 | | 12/98 | | | | | 12/03 | 07/06 | 12/06 | 12/06 | 12/07 |
| | <u>FY-08</u> | <u>FY-09</u> | <u>FY-10</u> | <u>FY-11</u> | | | | | | | | | | | |
| Contract Date (Month/CY) | 12/07 | 12/08 | 12/09 | 12/10 | | | | | | | | | | | |
| Delivery Date (Month/CY) | 12/08 | 12/09 | 12/10 | 12/11 | | | | | | | | | | | |

Installation Schedule

| | <u>FY-93</u> | | | | <u>FY-94</u> | | | | <u>FY-95</u> | | | | <u>FY-96</u> | | | | <u>FY-97</u> | | | | <u>FY-98</u> | | | | <u>FY-99</u> | | | | <u>FY-00</u> | | | | | | | |
|---------|--------------|----|----|----|--------------|----|----|----|--------------|---|---|---|--------------|---|----|----|--------------|---|---|---|--------------|----|----|----|--------------|----|----|----|--------------|----|----|----|---|---|---|---|
| Quarter | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Input | | | | | 1 | 38 | | | | | | | 3 | 4 | 10 | 10 | 4 | 3 | 5 | 1 | 1 | 2 | | | 1 | | 2 | | | | | | | | | |
| Output | | | | | 1 | 38 | | | | | | | 3 | 4 | 10 | 10 | 4 | 3 | 5 | 1 | 1 | 2 | | | 1 | | 2 | | | | | | | | | |
| | <u>FY-01</u> | | | | <u>FY-02</u> | | | | <u>FY-03</u> | | | | <u>FY-04</u> | | | | <u>FY-05</u> | | | | <u>FY-06</u> | | | | <u>FY-07</u> | | | | <u>FY-08</u> | | | | | | | |
| Quarter | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Input | | | | | 1 | | | | 1 | | | | | | | | | | | | 1 | | | | 19 | 19 | 19 | 20 | 11 | 11 | 11 | 12 | | | | |
| Output | | | | | 1 | | | | 1 | | | | | | | | 1 | | | | 19 | 19 | 19 | 20 | 11 | 11 | 11 | 12 | | | | | | | | |
| | <u>FY-09</u> | | | | <u>FY-10</u> | | | | <u>FY-11</u> | | | | <u>FY-12</u> | | | | | | | | | | | | | | | | | | | | | | | |
| Quarter | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | |
| Input | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 7 | 7 | 7 | 7 | 3 | 3 | 3 | 3 | | | | | | | | | | | | | | | | | | | | |
| Output | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 7 | 7 | 7 | 7 | 3 | 3 | 3 | 3 | | | | | | | | | | | | | | | | | | | | |

02/13/2004
 FY 2005 PB
 Modification Title and No: AEROSPACE RESCUE AND RECOVERY MN-8424

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: C-130 Class P

Models of Aircraft Affected: HC-130

Center: WRALC Robins AFB GA

PE 0207224F

Team AIR

Description/Justification

This CSAF-directed program converts 12 C-130 type aircraft (EC-130, WC-130, etc) to a combat rescue/helicopter air-refueling (HC-130P) configuration. Program requirement is to increase the number of aircraft in this Low Density High Demand fleet to the minimum necessary to meet AEF requirements in support of the worldwide combat rescue mission. Two initial conversions were completed under a previous contract leaving 10 additional conversions to be completed starting in FY03. The original program planned to use WC-130Hs as the baseline conversion aircraft. However, delays in the availability of WC-130Hs resulted in a change in the acquisition strategy, and the program was restructured in Jul 02 to utilize a combination of EC-130E and WC-130H aircraft. There will be one EC-130 trial install in FY03 followed by three production install options in FY04 and FY05. There will be one WC-130 trial install in FY05 followed by one production install option in FY06. Increased costs of converting EC-130E vice WC-130H aircraft created a program disconnect. The program is funded as of the FY04 PB to accomplish 6 of the 10 additional conversions. This issue will be addressed in the FY06 POM.

Aircraft Breakdown: Active 7, Reserve 1, ANG 0, Total 8

Development Status

N/A.

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|------|
| | QTY | COST | QTY | COST |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | | | | | 2 | 10.633 | 1 | 3.478 | 1 | 6.818 | | |
| KITS NONRECUR | 2 | 8.450 | 1 | 13.285 | | | 1 | 7.409 | | | | |
| EQUIPMENT | | | | | [2] | 19.730 | [1] | 8.265 | [1] | 10.306 | | |
| EQUIP NONREC | 2 | 6.726 | [1] | 0.737 | | | [1] | 7.585 | | | | |
| CHANGE ORDERS | | 0.150 | | | | | | | | | | |
| DATA | | 0.444 | | 2.837 | | 1.389 | | 1.002 | | 0.906 | | |
| SIM/TRAINER | | | | | | | | | | | | |
| SUPPORT-EQUIP | | | | | | 0.030 | | | | | | |
| FLIGHT TEST | | 0.111 | | 0.005 | | 0.750 | | 0.380 | | 0.380 | | |
| OGC | | 3.365 | | 1.061 | | 0.560 | | 1.456 | | 1.560 | | |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| FY-98 | 1 | KITS | | | | | | | | | | |
| FY-99 | 1 | KITS | | | | | | | | | | |
| FY-03 | 1 | KITS | [1] | | | | | | | | | |
| FY-04 | 2 | KITS | | | [2] | | | | | | | |
| FY-05 | 2 | KITS | | | | | [2] | | | | | |
| FY-06 | 1 | KITS | | | | | | | [1] | | | |
| TOTAL INSTALL | 2 | | 1 | | 2 | | 2 | | 1 | | | |
| TOTAL COST (BP-1100) | 2 | 19.246 | 1 | 17.925 | 2 | 33.092 | 2 | 29.575 | 1 | 19.970 | | |
| (Totals may not add due to rounding) | | | | | | | | | | | | |
| INSTALLATION QTY | 2 | | 1 | | 2 | | 2 | | 1 | | | |

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

02/13/2004
 FY 2005 PB
 Modification Title and No: INSTALLATION OF AN/APN-241 MN-8455

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: C-130 Class P

Models of Aircraft Affected: C-130H, HC130P, LC-130H,
 C-130H(2)

Center: WRALC Robins AFB GA

PE 0401115F Team MOBIL

Description/Justification

Installation of Northrop/Grumman Low Power Color Radar (AN/APN-241) on 4 ANG LC-130H (FY97), 14 HC-130Ps and 36 C-130H(2)s. The LC-130Hs are complete. On LC-130Hs, in conjunction with installation of the APN-241, the mod added electronic flight instruments and satellite communications systems. On the Moody AFB HC-130Ps the mod installs the APN-241 and removes the ARD-17 aerial tracker system, the APX-65 interrogator system, and Cook radome, and replaces the Fulton radomes with bullet nose radomes. Program provided interim contract support funds through FY00 as BP11 3010. Funding for ICS transferred to BP16 in FY01-FY04. One trial install in FY99 is required for the HC-130Ps at Moody AFB, one trial install is required for the tanker conversions in FY00, and one trial is required for C-130H(2) in FY01. Red Blocks for kits in FY04 and FY06 is due to 10 aircraft installs in FY06 are being paid for with FY04 funds as this is a Congressional Add.

- LC-130H -4
- HC-130P Tanker Conversion - 2
- HC-130P (Moody) - 12
- C-130H(2) Kulis - 8
- C-130H(2) Reno - 8
- C-130H(2) Schnectady - 4
- C-130H(2) St Joseph - 8
- C-130H(2) Nashville - 8

Aircraft Breakdown: Active 14, Reserve , ANG 40, Total 54

Development Status

N/A.

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------|-------|--------|-------|-------|-------|-------|-------|------|-------|------|-------|------|
| | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | 33 | 2.865 | 4 | 0.412 | 10 | 0.530 | | | | | | |
| KITS NONRECUR | 7 | 1.675 | | | | | | | | | | |
| EQUIPMENT | 33 | 17.711 | [4] | 2.392 | [10] | 5.300 | | | | | | |
| EQUIP NONREC | 7 | 6.138 | | | | | | | | | | |
| CHANGE ORDERS | | | | | | | | | | | | |
| DATA | | 1.600 | | | | | | | | | | |
| SIM/TRAINER | | | | | | | | | | | | |
| SUPPORT-EQUIP | | | | | | 6.424 | | | | | | |
| OGC | | 0.731 | | 0.057 | | 0.320 | | | | | | |
| PMA | | 0.231 | | 0.241 | | | | | | | | |
| T.O. Printing | | 0.013 | | | | | | | | | | |
| ICS | | 2.741 | | | | | 0.660 | | | | | |
| FLIGHT TEST | | 0.160 | | | | | | | | | | |

Projected Financial Plan Continued

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| FY-97 | 4 | 0.200 | | | | | | | | | | |
| FY-99 | 2 | 0.055 | | | | | | | | | | |
| FY-00 | 12 | 0.959 | | | | | | | | | | |
| FY-01 | 7 | 0.203 | | | | | | | | | | |
| FY-02 | 15 | | | | | | [15] | 2.701 | | | | |
| FY-03 | 4 | | [4] | 0.908 | | | | | | | | |
| FY-04 | 10 | | | | [10] | 1.612 | | | | | | |
| TOTAL INSTALL | 25 | 1.417 | 4 | 0.908 | 10 | 1.612 | 15 | 2.701 | | | | |
| TOTAL COST (BP-1100) | | | | | | | | | | | | |
| (Totals may not add due to rounding) | 40 | 35.282 | 4 | 4.010 | 10 | 14.186 | | 3.361 | | | | |
| INSTALLATION QTY | 25 | | 4 | | | | 15 | | | | | |

(Continued)

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | 47 | 3.807 |
| KITS NONRECUR | | | | | | | 7 | 1.675 |
| EQUIPMENT | | | | | | | [47] | 25.403 |
| EQUIP NONREC | | | | | | | [7] | 6.138 |
| CHANGE ORDERS | | | | | | | | |
| DATA | | | | | | | | 1.600 |
| SIM/TRAINER | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | 6.424 |
| OGC | | | | | | | | 1.108 |
| PMA | | | | | | | | 0.472 |
| T.O. Printing | | | | | | | | 0.013 |
| ICS | | | | | | | | 3.401 |
| FLIGHT TEST | | | | | | | | 0.160 |
| INSTALLATION OF HARDWARE | | | | | | | | |
| FY-97 | 4 | KITS | | | | | [4] | 0.200 |
| FY-99 | 2 | KITS | | | | | [2] | 0.055 |
| FY-00 | 12 | KITS | | | | | [12] | 0.959 |
| FY-01 | 7 | KITS | | | | | [7] | 0.203 |
| FY-02 | 15 | KITS | | | | | [15] | 2.701 |
| FY-03 | 4 | KITS | | | | | [4] | 0.908 |
| FY-04 | 10 | KITS | | | | | [10] | 1.612 |
| TOTAL INSTALL | | | | | | | 54 | 6.638 |
| TOTAL COST (BP-1100) | | | | | | | 54 | 56.839 |
| (Totals may not add due to rounding) | | | | | | | | |
| INSTALLATION QTY | | | | | | | 54 | |

Method of Implementation: COMBINATION

Initial Lead Time: 14 Months

Follow-On Lead Time: 14 Months

Milestones

| | <u>FY-96</u> | <u>FY-97</u> | <u>FY-98</u> | <u>FY-99</u> | <u>FY-00</u> | <u>FY-01</u> | <u>FY-02</u> | <u>FY-03</u> |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | 07/97 | | 10/98 | 06/00 | | | 08/03 |
| Delivery Date (Month/CY) | | 03/98 | | 06/99 | 02/01 | | | 10/04 |

Installation Schedule

| | | <u>FY-96</u> | | | | <u>FY-97</u> | | | | <u>FY-98</u> | | | | <u>FY-99</u> | | | | <u>FY-00</u> | | | | <u>FY-01</u> | | | | <u>FY-02</u> | | | | <u>FY-03</u> | | | |
|---------|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|--|
| Quarter | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | |
| Input | | | | | | 1 | 2 | 1 | | | | | | 1 | | | | | 3 | 3 | 3 | 3 | 2 | | 2 | 1 | 2 | 1 | 1 | 1 | 1 | | |
| Output | | | | | | 1 | 2 | 1 | | | | | 1 | | 1 | | | | 3 | 3 | 3 | 3 | | 2 | 2 | 1 | 2 | 1 | 1 | 1 | | | |
| | | <u>FY-04</u> | | | | <u>FY-05</u> | | | | <u>FY-06</u> | | | | <u>FY-07</u> | | | | | | | | | | | | | | | | | | | |
| Quarter | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | |
| Input | | | | | 4 | 4 | 4 | 3 | 3 | 2 | 3 | 2 | | | | | | | | | | | | | | | | | | | | | |
| Output | 1 | | | | | 4 | 4 | 4 | 3 | 3 | 2 | 3 | 2 | | | | | | | | | | | | | | | | | | | | |

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

02/13/2004
 FY 2005 PB
 Modification Title and No: WC130J RADAR MN-8523

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: C-130 Class P

Models of Aircraft Affected: WC-130J

Center: WRALC Robins AFB GA

PE 0401115F Team MOBIL

Description/Justification

The WC-130J requires an upgrade to its APN-241 radar in order to meet minimum safety standards. The APN-241 radar is a low-power, terrain mapping, weather avoidance radar. This mod (WC-130J Radar Phase II) integrates a high-power transmitter into the WC-130J radars. Congress approved a \$21M above threshold reprogramming request in September 2003 to help fund this program.

Aircraft Breakdown: Active 0, Reserve 6, ANG 0, Total 6

Development Status

The WC radar upgrade is a two-phased program.

Phase I is a software upgrade and was funded with a combination of FY96-99 expired funds and current year BP10 funds. Expired funds were warranted because it was determined that the WC-130J had a bad specification. Four aircraft were accepted before it was discovered the radar was inadequate in a hurricane environment. OSD/GC determined that any radar mods on these four aircraft must be funded with current year funding while the mods on the other six aircraft could be funded with expired funds.

Phase II will be funded with \$14M of FY97-99 expired funds and the \$21M of the FY03 BP11.

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|-------|------|-------|--------|-------|------|-------|------|-------|------|-------|------|
| | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | | | 6 | 21.000 | | | | | | | | |
| KITS NONRECUR | | | | | | | | | | | | |
| EQUIPMENT | | | | | | | | | | | | |
| EQUIP NONREC | | | | | | | | | | | | |
| CHANGE ORDERS | | | | | | | | | | | | |
| DATA | | | | | | | | | | | | |
| SIM/TRAINER | | | | | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | | | | | |
| TOTAL COST (BP-1100) | | | 6 | 21.000 | | | | | | | | |
| (Totals may not add due to rounding) | | | | | | | | | | | | |

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | 6 | 21.000 |
| KITS NONRECUR EQUIPMENT | | | | | | | | |
| EQUIP NONREC CHANGE ORDERS | | | | | | | | |
| DATA SIM/TRAINER | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | |
| TOTAL COST (BP-1100) | <hr/> | | | | | | 6 | 21.000 |
| (Totals may not add due to rounding) | | | | | | | 6 | 21.000 |

Method of Implementation:

Initial Lead Time: 26 Months

Follow-On Lead Time: 0 Months

Milestones

| | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> |
|--------------------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | | 11/03 |
| Delivery Date (Month/CY) | | | 01/06 |

02/13/2004
 FY 2005 PB
 Modification Title and No: ENHANCED TCAS (TCAS II) MN-8526

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: C-130 Class P

Models of Aircraft Affected: C-130E, H, HCP, LCH

Center: WRALC Robins AFB GA

PE 0401115F Team MOBIL

Description/Justification

This modification is required by the Air Force Navigation and Safety Master Plan (Nav/Safety) and Global Air Traffic Management (GATM) mandates which are necessary for worldwide, unrestricted airspace access. The Secretary of Defense directed installation of an airborne collision avoidance system in response to the findings of the April 1996 CT-43 crash. Other C-130s have already been modified with this system, hence this modification will increase commonality across the fleet. This Enhanced Traffic Alert & Collision Avoidance System (ETCAS) modification program meets all these requirements. Kits are phase-delivered. Leadtime is based on receipt of the Trial Install kits.

Aircraft Breakdown: Active 164, Reserve 76, ANG 159, Total 399

Development Status

N/A

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------|-------|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|------|
| | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | 209 | 10.166 | 54 | 3.500 | 66 | 4.036 | 13 | 1.303 | 46 | 4.600 | | |
| KITS NONRECUR | 4 | 4.436 | 4 | 2.500 | 3 | 3.000 | | | | | | |
| EQUIPMENT | 209 | 47.603 | [54] | 9.000 | [66] | 10.265 | [13] | 2.100 | [46] | 8.030 | | |
| EQUIP NONREC | 4 | 0.648 | [4] | 0.640 | [3] | 0.467 | | | | | | |
| CHANGE ORDERS | | 3.732 | | | | | | | | | | |
| DATA | | 0.349 | | 1.000 | | 1.000 | | 0.400 | | 0.300 | | |
| SIM/TRAINER | 3 | 2.275 | [3] | 1.300 | | | | | [1] | 0.500 | | |
| SUPPORT-EQUIP | 10 | 0.489 | | 0.225 | [11] | 0.300 | [18] | 0.500 | | | | |
| FLIGHT TEST | | 0.967 | | 0.150 | | 0.600 | | 0.100 | | | | |
| OGC | | 4.679 | | 0.600 | | 0.500 | | 0.600 | | 0.638 | | |
| ICS | | | | | | | | | | | | |
| RETROFIT | | | | 8.025 | | 3.042 | | 1.000 | | | | |
| WARRANTY | | | | | | | | | | | | |
| REPROGRAM | | 2.021 | | 2.088 | | | | | | | | |

Projected Financial Plan Continued

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| FY-98 | 70 | 4.484 | | | | | | | | | | |
| FY-99 | 49 | 2.900 | | | | | | | | | | |
| FY-00 | 32 | 1.950 | | | | | | | | | | |
| FY-01 | 36 | 0.819 | | | | | | | | | | |
| FY-02 | 26 | 1.423 | | | | | | | | | | |
| FY-03 | 58 | | [58] | 3.480 | | | | | | | | |
| FY-04 | 69 | | | | [69] | 4.140 | | | | | | |
| FY-05 | 13 | | | | | | [13] | 1.300 | | | | |
| FY-06 | 46 | | | | | | | | [46] | 4.600 | | |
| TOTAL INSTALL | 213 | 11.576 | 58 | 3.480 | 69 | 4.140 | 13 | 1.300 | 46 | 4.600 | | |
| TOTAL COST (BP-1100) | | | | | | | | | | | | |
| (Totals may not add due to rounding) | 213 | 88.941 | 58 | 32.508 | 69 | 27.350 | 13 | 7.303 | 46 | 18.668 | | |
| INSTALLATION QTY | 213 | | 58 | | 69 | | 13 | | 46 | | | |

(Continued)

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | 388 | 23.605 |
| KITS NONRECUR | | | | | | | 11 | 9.936 |
| EQUIPMENT | | | | | | | [388] | 76.998 |
| EQUIP NONREC | | | | | | | [11] | 1.755 |
| CHANGE ORDERS | | | | | | | | 3.732 |
| DATA | | | | | | | | 3.049 |
| SIM/TRAINER | | | | | | | [7] | 4.075 |
| SUPPORT-EQUIP | | | | | | | [39] | 1.514 |
| FLIGHT TEST | | | | | | | | 1.817 |
| OGC | | | | | | | | 7.017 |
| ICS | | | | | | | | |
| RETROFIT | | | | | | | | 12.067 |
| WARRANTY | | | | | | | | |
| REPROGRAM | | | | | | | | 4.109 |
| INSTALLATION OF HARDWARE | | | | | | | | |
| FY-98 | 70 KITS | | | | | | [70] | 4.484 |
| FY-99 | 49 KITS | | | | | | [49] | 2.900 |
| FY-00 | 32 KITS | | | | | | [32] | 1.950 |
| FY-01 | 36 KITS | | | | | | [36] | 0.819 |
| FY-02 | 26 KITS | | | | | | [26] | 1.423 |
| FY-03 | 58 KITS | | | | | | [58] | 3.480 |
| FY-04 | 69 KITS | | | | | | [69] | 4.140 |
| FY-05 | 13 KITS | | | | | | [13] | 1.300 |
| FY-06 | 46 KITS | | | | | | [46] | 4.600 |
| TOTAL INSTALL | | | | | | | 399 | 25.096 |
| TOTAL COST (BP-1100) | | | | | | | 399 | 174.770 |
| (Totals may not add due to rounding) | | | | | | | | |
| INSTALLATION QTY | | | | | | | 399 | |

Method of Implementation: DEPOT/FIELD TEAM

Initial Lead Time: 6 Months

Follow-On Lead Time: 6 Months

Milestones

| | <u>FY-97</u> | <u>FY-98</u> | <u>FY-99</u> | <u>FY-00</u> | <u>FY-01</u> | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> | <u>FY-06</u> |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | 06/98 | 12/98 | 10/99 | 10/00 | 10/01 | 10/02 | 10/03 | 10/04 | 10/05 |
| Delivery Date (Month/CY) | | 12/98 | 06/99 | 04/00 | 04/01 | 04/02 | 04/03 | 04/04 | 04/05 | 04/06 |

Installation Schedule

| | <u>FY-97</u> | | | | <u>FY-98</u> | | | | <u>FY-99</u> | | | | <u>FY-00</u> | | | | <u>FY-01</u> | | | | <u>FY-02</u> | | | | <u>FY-03</u> | | | | <u>FY-04</u> | | | | | | | |
|---------|--------------|---|---|---|--------------|----|----|----|--------------|---|---|----|--------------|----|----|----|--------------|----|----|---|--------------|---|---|----|--------------|----|----|----|--------------|----|----|---|---|---|---|---|
| Quarter | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Input | | | | | | | | | 1 | 1 | 1 | 14 | 16 | 17 | 14 | 30 | 31 | 32 | 30 | 6 | 7 | 7 | 6 | 14 | 15 | 15 | 14 | 18 | 17 | 17 | 17 | | | | | |
| Output | | | | | | | | | 1 | 1 | 1 | 14 | 16 | 17 | 14 | 30 | 31 | 32 | 30 | 6 | 7 | 7 | 6 | 14 | 15 | 15 | 14 | 18 | 17 | 17 | 17 | | | | | |
| Quarter | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Input | 3 | 3 | 3 | 4 | 11 | 12 | 12 | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Output | 3 | 3 | 3 | 4 | 11 | 12 | 12 | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

UNCLASSIFIED
MODIFICATION OF AIRCRAFT

02/13/2004
FY 2005 PB
Modification Title and No: SYNCHROPHASER WIRE (C-130) MN-8561

Exhibit P3A Congressional
Appropriation: Aircraft Procurement, Air Force
CLC: C-130 Class P

Models of Aircraft Affected: C-130E/H, H1, H2, H3

Center: WRALC Robins AFB GA

PE 0401115F Team MOBIL

Description/Justification

This mod will replace old & aging synchrophaser wiring on all C-130 aircraft (except 'J' models) as recommended by the C-130 Broad Area Review (15 Jan 98). Safety reviews of the aircraft have revealed chafed and worn wiring problems that could potentially cause synchrophaser operation malfunctions resulting in flight safety hazards. Completion of this modification will implement the BAR recommendation to install new wiring to replace aging and problematic wire sets. This synchrophaser wiring has been installed on all pre-C-130J production aircraft. This mod will use the existing design for aircraft wiring but will modify the placement of the existing synchrophaser box within the station racks on the bulkhead.

Aircraft Breakdown: Active 241, Reserve 137, ANG 229, Total 607

Development Status

N/A

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--|-------|--------|-------|-------|-------|-------|-------|-------|-------|------|-------|------|
| | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | 606 | 6.267 | | | | | | | | | | |
| KITS NONRECUR | 1 | 0.401 | | | | | | | | | | |
| EQUIPMENT | | | | | | | | | | | | |
| EQUIP NONREC | | | | | | | | | | | | |
| CHANGE ORDERS | | | | | | | | | | | | |
| DATA | | 0.881 | | 0.007 | | | | | | | | |
| SIM/TRAINER | | | | | | | | | | | | |
| SUPPORT-EQUIP | | 2.109 | | | | | | | | | | |
| FLIGHT TEST | | | | | | | | | | | | |
| OGC | | 0.107 | | 0.230 | | 0.220 | | 0.240 | | | | |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| FY-00 1 KITS | 1 | | | | | | | | | | | |
| FY-01 311 KITS | 56 | 1.094 | [155] | 2.928 | [100] | 1.900 | | | | | | |
| FY-02 295 KITS | | | | | [135] | 2.417 | [160] | 2.984 | | | | |
| TOTAL INSTALL | 57 | 1.094 | 155 | 2.928 | 235 | 4.317 | 160 | 2.984 | | | | |
| TOTAL COST (BP-1100) (Totals may not add due to rounding) | 607 | 10.859 | | 3.165 | | 4.537 | | 3.224 | | | | |
| INSTALLATION QTY | 57 | | 155 | | 235 | | 160 | | | | | |

(Continued)

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | 606 | 6.267 |
| KITS NONRECUR | | | | | | | 1 | 0.401 |
| EQUIPMENT | | | | | | | | |
| EQUIP NONREC | | | | | | | | |
| CHANGE ORDERS | | | | | | | | |
| DATA | | | | | | | | 0.888 |
| SIM/TRAINER | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | 2.109 |
| FLIGHT TEST | | | | | | | | |
| OGC | | | | | | | | 0.797 |
| INSTALLATION OF HARDWARE | | | | | | | | |
| FY-00 | | 1 KITS | | | | | [1] | |
| FY-01 | | 311 KITS | | | | | [311] | 5.922 |
| FY-02 | | 295 KITS | | | | | [295] | 5.401 |
| TOTAL INSTALL | | | | | | | 607 | 11.323 |
| TOTAL COST (BP-1100) | | | | | | | 607 | 21.785 |
| (Totals may not add due to rounding) | | | | | | | | |
| INSTALLATION QTY | | | | | | | 607 | |

Method of Implementation: DEPOT/FIELD TEAM

Initial Lead Time: 6 Months

Follow-On Lead Time: 10 Months

Milestones

| | <u>FY-99</u> | <u>FY-00</u> | <u>FY-01</u> | <u>FY-02</u> | <u>FY-03</u> |
|--------------------------|--------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | 09/00 | 03/01 | 12/01 | 10/02 | |
| Delivery Date (Month/CY) | 03/01 | 01/02 | 10/02 | 08/03 | |

Installation Schedule

| Quarter | <u>FY-99</u> | | | | <u>FY-00</u> | | | | <u>FY-01</u> | | | | <u>FY-02</u> | | | | <u>FY-03</u> | | | | <u>FY-04</u> | | | | <u>FY-05</u> | | | | <u>FY-06</u> | | | |
|---------|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|----|----|----|--------------|----|----|----|--------------|----|----|----|--------------|----|----|----|--------------|---|---|---|
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Input | | | | | | | | | | | | | 15 | 14 | 14 | 14 | 39 | 39 | 38 | 39 | 59 | 59 | 59 | 58 | 40 | 40 | 40 | 40 | | | | |
| Output | | | | | | | | | | | | | 15 | 14 | 14 | 14 | 39 | 39 | 38 | 39 | 59 | 59 | 59 | 58 | 40 | 40 | 40 | 40 | | | | |

UNCLASSIFIED
MODIFICATION OF AIRCRAFT

02/13/2004
FY 2005 PB
Modification Title and No: ALE-47 CHAFF AND FLARE DISPENSER MN-8577

Exhibit P3A Congressional
Appropriation: Aircraft Procurement, Air Force
CLC: C-130 Class P

Models of Aircraft Affected: MC-130s, AC-130s & MH-53s

Center: ASC - Wright Patterson AFB, OH

PE 0404011F

Team INFO

Description/Justification

Upgrade the current ALE-40, Chaff and Flare Dispensers System with the AN/ALE-47 Countermeasures Dispensing System (CMDS). The ALE-47 is a programmable, threat adaptive dispensing system designed to enhance aircraft survivability in an IR/RF threat environment.

Aircraft Breakdown: Active 106, Reserve 14, ANG 4, Total 124

Development Status

Contract Awarded 4QFY01.

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--|-------|-------|-------|--------|-------|--------|-------|------|-------|------|-------|------|
| | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | 16 | 0.642 | 25 | 1.419 | 76 | 7.656 | | | | | | |
| KITS NONRECUR | 1 | 1.421 | 3 | 3.379 | 3 | 0.515 | | | | | | |
| EQUIPMENT | 15 | 0.829 | [26] | 1.872 | [76] | 4.378 | | | | | | |
| EQUIP NONREC | 2 | 0.116 | [3] | 0.180 | [2] | 0.116 | | | | | | |
| CHANGE ORDERS | | 0.096 | | | | 0.133 | | | | | | |
| DATA | | 1.202 | | 3.748 | | | | | | | | |
| SIM/TRAINER | 1 | 0.150 | [2] | 3.250 | [2] | 2.244 | | | | | | |
| SUPPORT-EQUIP | | 0.058 | | | | | | | | | | |
| FLIGHT TEST | | 0.096 | | 0.288 | | 0.156 | | | | | | |
| OGC | | 0.199 | | 0.218 | | 0.600 | | | | | | |
| SOFTWARE | | 0.650 | | 0.415 | | 0.121 | | | | | | |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| FY-01 1 KITS | 1 | 0.091 | | | | | | | | | | |
| FY-02 16 KITS | 1 | 0.102 | [15] | 0.735 | | | | | | | | |
| FY-03 28 KITS | | | [8] | 0.441 | [20] | 0.722 | | | | | | |
| FY-04 79 KITS | | | | | [34] | 4.673 | [45] | | | | | |
| TOTAL INSTALL | 2 | 0.193 | 23 | 1.176 | 54 | 5.395 | 45 | | | | | |
| TOTAL COST (BP-1100) (Totals may not add due to rounding) | 17 | 5.652 | 28 | 15.945 | 79 | 21.314 | | | | | | |
| INSTALLATION QTY | 12 | | 26 | | 38 | | 48 | | | | | |

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | 117 | 9.717 |
| KITS NONRECUR | | | | | | | 7 | 5.315 |
| EQUIPMENT | | | | | | | [117] | 7.079 |
| EQUIP NONREC | | | | | | | [7] | 0.412 |
| CHANGE ORDERS | | | | | | | | 0.229 |
| DATA | | | | | | | | 4.950 |
| SIM/TRAINER | | | | | | | [5] | 5.644 |
| SUPPORT-EQUIP | | | | | | | | 0.058 |
| FLIGHT TEST | | | | | | | | 0.540 |
| OGC | | | | | | | | 1.017 |
| SOFTWARE | | | | | | | | 1.186 |
| INSTALLATION OF HARDWARE | | | | | | | | |
| FY-01 1 KITS | | | | | | | [1] | 0.091 |
| FY-02 16 KITS | | | | | | | [16] | 0.837 |
| FY-03 28 KITS | | | | | | | [28] | 1.163 |
| FY-04 79 KITS | | | | | | | [79] | 4.673 |
| TOTAL INSTALL | | | | | | | 124 | 6.764 |
| TOTAL COST (BP-1100) | | | | | | | 124 | 42.911 |
| (Totals may not add due to rounding) | | | | | | | | |
| INSTALLATION QTY | | | | | | | 124 | |

Method of Implementation: CONTRACTOR FACILITY

Initial Lead Time: 9 Months

Follow-On Lead Time: 9 Months

Milestones

| | <u>FY-00</u> | <u>FY-01</u> | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> |
|--------------------------|--------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | 01/01 | 11/01 | 11/02 | 11/02 | 11/03 |
| Delivery Date (Month/CY) | 10/01 | 08/02 | 08/03 | 08/03 | 08/04 |

Installation Schedule

| Quarter | <u>FY-00</u> | | | | <u>FY-01</u> | | | | <u>FY-02</u> | | | | <u>FY-03</u> | | | | <u>FY-04</u> | | | | <u>FY-05</u> | | | |
|---------|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|----|----|--------------|----|----|----|
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Input | | | | | | | | | 1 | 3 | 4 | 4 | 5 | 7 | 7 | 7 | 7 | 7 | 10 | 10 | 11 | 12 | 12 | 12 |
| Output | | | | | | | | | 1 | 1 | 3 | 4 | 4 | 5 | 7 | 7 | 7 | 7 | 10 | 10 | 10 | 12 | 12 | 12 |

02/13/2004
 FY 2005 PB

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: C-130 Class P

Modification Title and No: C-130 SYSTEMS/STRUCTURE (PHASE II MODERNIZATION) MN-8578

Models of Aircraft Affected: C-130H

Center: WRALC Robins AFB GA

PE 0401115F

Team MOBIL

Description/Justification

Replaces the center wing on cargo H models whose center wing service life expires in 2005-2010. Aircraft will be retained in inventory until 2030.

Aircraft Breakdown: Active 25, Reserve 0, ANG 0, Total 25

Development Status

N/A.

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|-------|--------|-------|------|-------|------|-------|-------|-------|-------|-------|--------|
| | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | | | | | | | 2 | 4.421 | 3 | 6.929 | 3 | 7.031 |
| KITS NONRECUR | | | | | | | | | | | | |
| EQUIPMENT | | | | | | | | | | | | |
| EQUIP NONREC | | | | | | | | | | | | |
| CHANGE ORDERS | | | | | | | | | | | | |
| DATA | | | | | | | | | | | | |
| SIM/TRAINER | | | | | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | | | | | |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| FY-05 | | 2 KITS | | | | | | | | | [2] | 2.455 |
| FY-06 | | 3 KITS | | | | | | | | | [1] | 1.228 |
| FY-07 | | 3 KITS | | | | | | | | | | |
| FY-08 | | 3 KITS | | | | | | | | | | |
| FY-09 | | 4 KITS | | | | | | | | | | |
| FY-10 | | 5 KITS | | | | | | | | | | |
| FY-11 | | 3 KITS | | | | | | | | | | |
| FY-12 | | 2 KITS | | | | | | | | | | |
| TOTAL INSTALL | | | | | | | | | | | 3 | 3.683 |
| TOTAL COST (BP-1100) | | | | | | | | | | | | |
| (Totals may not add due to rounding) | | | | | | | 2 | 4.421 | 3 | 6.929 | 3 | 10.714 |
| INSTALLATION QTY | | | | | | | | | | | 3 | |

(Continued)

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | 3 | 7.169 | 4 | 9.736 | 10 | 25.139 | 25 | 60.425 |
| KITS NONRECUR | | | | | | | | |
| EQUIPMENT | | | | | | | | |
| EQUIP NONREC | | | | | | | | |
| CHANGE ORDERS | | | | | | | | |
| DATA | | | | | | | | |
| SIM/TRAINER | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | |
| INSTALLATION OF HARDWARE | | | | | | | | |
| FY-05 2 KITS | | | | | | | [2] | 2.455 |
| FY-06 3 KITS | [2] | 2.504 | | | | | [3] | 3.732 |
| FY-07 3 KITS | [2] | 2.504 | [1] | 1.275 | | | [3] | 3.779 |
| FY-08 3 KITS | | | [2] | 1.275 | [1] | 1.299 | [3] | 2.574 |
| FY-09 4 KITS | | | | | [4] | 5.196 | [4] | 5.196 |
| FY-10 5 KITS | | | | | [5] | 6.648 | [5] | 6.648 |
| FY-11 3 KITS | | | | | [3] | 4.049 | [3] | 4.049 |
| FY-12 2 KITS | | | | | [2] | 2.780 | [2] | 2.780 |
| TOTAL INSTALL | 4 | 5.008 | 3 | 2.550 | 15 | 19.972 | 25 | 31.213 |
| TOTAL COST (BP-1100) | | | | | | | | |
| (Totals may not add due to rounding) | 3 | 12.177 | 4 | 12.286 | 10 | 45.111 | 25 | 91.638 |
| INSTALLATION QTY | 4 | | 3 | | 15 | | 25 | |

Method of Implementation: DEPOT

Initial Lead Time: 24 Months

Follow-On Lead Time: 24 Months

Milestones

| | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> | <u>FY-06</u> | <u>FY-07</u> | <u>FY-08</u> | <u>FY-09</u> | <u>FY-10</u> |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | | | 04/05 | 12/05 | 12/06 | 12/07 | 12/08 | 12/09 |
| Delivery Date (Month/CY) | | | | 04/07 | 12/07 | 12/08 | 12/09 | 12/10 | 12/11 |

Installation Schedule

| | <u>FY-02</u> | | | | <u>FY-03</u> | | | | <u>FY-04</u> | | | | <u>FY-05</u> | | | | <u>FY-06</u> | | | | <u>FY-07</u> | | | | <u>FY-08</u> | | | | <u>FY-09</u> | | | |
|---------|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Quarter | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Input | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Output | | | | | | | | | | | | | | | | | | | | | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Quarter | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | |
| Input | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | | | | | | | | | | | | | | |
| Output | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | | | | | | | | | | | | | | | | | |

02/13/2004
 FY 2005 PB
 Modification Title and No: ALR-69 UPGRADE MN-8591

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: C-130 Class P

Models of Aircraft Affected: SOF C-130

Center: WRALC Robins AFB GA

PE 0207442F

Team INFO

Description/Justification

The ALR-69 Radar Warning Receiver (RWR) is based upon 1970's technology and was initially installed on USAF aircraft in 1978. The system is planned to be in inventory well beyond the year 2016. The aircrews require an enhanced capability to precisely locate and identify the modern day threats in order to meet mission requirements in a dense threat environment and the capability to minimize Constant False Alarms when encountering these threats. Improved threat information that would be available from a modernized RWR will assist the aircrews in determining precise threat ranges/directions and provide option responses short of mission abort or violent aircraft maneuvering. Threat location refinements will help an enroute aircrew respond "real-time" to previously unknown threats by providing sufficiently accurate information to allow the aircrews to avoid hostile areas. The precision location/identification upgrade and minimization of Constant False Alarms will improve situational awareness capability and improve reliability for the current ALR-69 system.

Aircraft Breakdown: Active 73, Reserve 9, ANG 0, Total 82

Development Status

The RDT&E funds will be used for design/development activities associated with the modification that are planned for th SOF.

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | | |
|--------------------------------------|-------|------|-------|------|-------|------|-------|-------|-------|-------|--------|-------|--------|
| | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST | |
| RDT&E (3600) | | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | | |
| INSTALL KITS | | | | | | | [8] | 1.000 | [19] | 1.080 | [21] | 1.890 | |
| KITS NONRECUR | | | | | | | | | | | | | |
| EQUIPMENT | | | | | | | 8 | 4.435 | 19 | 7.200 | 21 | 6.710 | |
| EQUIP NONREC | | | | | | | | | | 0.200 | | | |
| CHANGE ORDERS | | | | | | | | | | | | | |
| DATA | | | | | | | | | | 0.843 | | | |
| SIM/TRAINER | | | | | | | [1] | 0.239 | | | [1] | 0.550 | |
| SUPPORT-EQUIP | | | | | | | | 0.500 | | | | 0.178 | |
| OTHER | | | | | | | | | | | | | |
| REPROGRAM | | | | | | | | | | | | | |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | | |
| FY-05 | | | | | | | | | | | | | |
| 8 KITS | | | | | | | | | [8] | 0.800 | | | |
| FY-06 | | | | | | | | | | | | | |
| 19 KITS | | | | | | | | | | | [19] | 1.900 | |
| FY-07 | | | | | | | | | | | | | |
| 21 KITS | | | | | | | | | | | | | |
| FY-08 | | | | | | | | | | | | | |
| 19 KITS | | | | | | | | | | | | | |
| FY-09 | | | | | | | | | | | | | |
| 15 KITS | | | | | | | | | | | | | |
| TOTAL INSTALL | | | | | | | | | | 8 | 0.800 | 19 | 1.900 |
| TOTAL COST (BP-1100) | | | | | | | | | | | | | |
| (Totals may not add due to rounding) | | | | | | | | 8 | 6.174 | 19 | 10.123 | 21 | 11.228 |
| INSTALLATION QTY | | | | | | | | | | 8 | | 19 | |

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | [19] | 1.710 | [15] | 1.350 | | | [82] | 7.030 |
| KITS NONRECUR EQUIPMENT | 19 | 5.896 | 15 | 4.515 | | | 82 | 28.756 |
| EQUIP NONREC | | | | 0.250 | | | | 0.450 |
| CHANGE ORDERS | | | | 0.800 | | | | 0.800 |
| DATA | | 0.400 | | 0.500 | | 0.150 | | 1.893 |
| SIM/TRAINER | [1] | 0.500 | [1] | 0.550 | | | [4] | 1.839 |
| SUPPORT-EQUIP | | 0.500 | | 0.629 | | | | 1.807 |
| OTHER | | 0.460 | | 1.256 | | | | 1.716 |
| REPROGRAM | | | | | | | | |
| INSTALLATION OF HARDWARE | | | | | | | | |
| FY-05 8 KITS | | | | | | | [8] | 0.800 |
| FY-06 19 KITS | | | | | | | [19] | 1.900 |
| FY-07 21 KITS | [21] | 2.100 | | | | | [21] | 2.100 |
| FY-08 19 KITS | | | [19] | 1.900 | | | [19] | 1.900 |
| FY-09 15 KITS | | | | | [15] | 1.500 | [15] | 1.500 |
| TOTAL INSTALL | 21 | 2.100 | 19 | 1.900 | 15 | 1.500 | 82 | 8.200 |
| TOTAL COST (BP-1100) (Totals may not add due to rounding) | 19 | 11.566 | 15 | 11.750 | | 1.650 | 82 | 52.491 |
| INSTALLATION QTY | 21 | | 19 | | 15 | | 82 | |

Method of Implementation: COMBINATION

Initial Lead Time: 12 Months

Follow-On Lead Time: 11 Months

Milestones

| | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> | <u>FY-06</u> | <u>FY-07</u> | <u>FY-08</u> | <u>FY-09</u> | <u>FY-10</u> |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | | 06/04 | 11/04 | 11/05 | 11/06 | 11/07 | 11/08 | 11/09 |
| Delivery Date (Month/CY) | | | 06/05 | 10/05 | 10/06 | 10/07 | 10/08 | 10/09 | 10/10 |

Installation Schedule

| | <u>FY-02</u> | | | | <u>FY-03</u> | | | | <u>FY-04</u> | | | | <u>FY-05</u> | | | | <u>FY-06</u> | | | | <u>FY-07</u> | | | | <u>FY-08</u> | | | | <u>FY-09</u> | | | |
|---------|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|--|--|--|
| | Quarter | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | |
| Input | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Output | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quarter | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Input | 4 | 4 | 4 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Output | 4 | 4 | 4 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

02/13/2004
 FY 2005 PB
 Modification Title and No: C-130 SIMULATOR UPGRADE MN-8626

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: C-130 Class P

Models of Aircraft Affected: C130E/H

Center: OO-ALC - Hill AFB, UT

PE 0401115F Team MOBIL

Description/Justification

FY00 funding resulted from a Congressional Appropriations Committee plus up. The Aero Upgrade, Visual System Upgrade, Instructor Operating System (IOS) and Digital Radar Landmass System (DRLMS) modifications are required to replace obsolete equipment which is 20+ years old with new state-the-art simulation technologies and include all enhancements needed for FAA Level C+ simulation. These modifications will greatly enhance the quality of training for all C-130 crew members.

Aircraft Breakdown: Active 4, Reserve 0, ANG 0, Total 4

Development Status

N/A

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|---|-------|--------|-------|--------|-------|------|-------|------|-------|------|-------|------|
| | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | 2 | | 2 | | | | | | | | | |
| KITS NONRECUR EQUIPMENT EQUIP NONREC CHANGE ORDERS DATA | | | | | | | | | | | | |
| SIM/TRAINER | 3 | 14.487 | [2] | 14.332 | | | | | | | | |
| SUPPORT-EQUIP PBD 604 | | | | | | | | | | | | |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| FY-01 1 KITS | 1 | | | | | | | | | | | |
| FY-02 1 KITS | 1 | | | | | | | | | | | |
| FY-03 2 KITS | | | [2] | | | | | | | | | |
| TOTAL INSTALL | 2 | | 2 | | | | | | | | | |
| TOTAL COST (BP-1100) (Totals may not add due to rounding) | 2 | 14.487 | 2 | 14.332 | | | | | | | | |
| INSTALLATION QTY | 2 | | 2 | | | | | | | | | |

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | 4 | |
| KITS NONRECUR | | | | | | | | |
| EQUIPMENT | | | | | | | | |
| EQUIP NONREC | | | | | | | | |
| CHANGE ORDERS | | | | | | | | |
| DATA | | | | | | | | |
| SIM/TRAINER | | | | | | | [5] | 28.819 |
| SUPPORT-EQUIP | | | | | | | | |
| PBD 604 | | | | | | | | |
| INSTALLATION OF HARDWARE | | | | | | | | |
| FY-01 | 1 | | | | | | [1] | |
| FY-02 | 1 | | | | | | [1] | |
| FY-03 | 2 | | | | | | [2] | |
| TOTAL INSTALL | | | | | | | 4 | |
| TOTAL COST (BP-1100) | | | | | | | 4 | 28.819 |
| (Totals may not add due to rounding) | | | | | | | | |
| INSTALLATION QTY | | | | | | | 4 | |

Method of Implementation: CONTRACTOR FACILITY

Initial Lead Time: 18 Months

Follow-On Lead Time: 12 Months

Milestones

| | <u>FY-99</u> | <u>FY-00</u> | <u>FY-01</u> | <u>FY-02</u> | <u>FY-03</u> |
|--------------------------|--------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | 03/00 | 01/01 | 01/02 | 01/03 |
| Delivery Date (Month/CY) | | 09/01 | 01/02 | 01/03 | 01/04 |

Installation Schedule

| Quarter | <u>FY-99</u> | | | | <u>FY-00</u> | | | | <u>FY-01</u> | | | | <u>FY-02</u> | | | | <u>FY-03</u> | | | | <u>FY-04</u> | | | |
|---------|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Input | | | | | | | | | | | 1 | 1 | | | | | | | 1 | 1 | | | | |
| Output | | | | | | | | | | | 1 | 1 | | | | | | | | | | | 1 | 1 |

UNCLASSIFIED
MODIFICATION OF AIRCRAFT

02/13/2004
FY 2005 PB

Modification Title and No: LARGE AIRCRAFT INFRARED COUNTERMEASURES (LAIRCM) MN-8629

Exhibit P3A Congressional
Appropriation: Aircraft Procurement, Air Force
CLC: C-130 Class P

Models of Aircraft Affected: C-130H

Center: ASC - Wright Patterson AFB, OH

PE 0401134F

Team MOBIL

Description/Justification

The Large Aircraft Infrared Countermeasures (LAIRCM) System provides an advanced defensive capability for AF transport and tanker aircraft to counter the proliferating surface to air missile threat. This system employs an ultraviolet (UV) missile warning system, missile tracking system, and colorless, eye-safe, multi-band laser/turret assemblies to detect, track and counter any incoming IR missiles. The LAIRCM requirement is defined in the multi-command LAIRCM ORD 314-92, validated 3 Aug 98.

LAIRCM is an evolutionary acquisition with development increments. Phase I addresses the threat with available hardware and Phase II will incorporate improvements to address emerging threats with more affordable and more capable systems. Phase I LAIRCM system will be installed on 16 C-17s and 32 C-130s to satisfy AMC's urgent and compelling requirements. Phase II will equip the remainder of the 137 airlift and tanker aircraft on which the AF currently plans to install LAIRCM (71 C-17s, 32 C-130s, 22 KC-135s and 12 KC-10s). This force of 137 airlift and tanker aircraft are sufficient to accomplish two simultaneous Small Scale Contingencies (2 SSCs) for approximately one month.

Phase II has three development increments: a new mini-turret, the Next Generation Missile Warning System (NexGen MWS), and the Closed Loop Laser system. With the exception of the 32 C-130s, all other aircraft in the 2 SSC force will receive Phase II systems either initially or through retrofit.

Note: Total RDT&E for this cross-cutting program is not shown here, but in the LAIRCM R-docs for PE 41134F.

Aircraft Breakdown: Active 20, Reserve , ANG 7, Total 27

Development Status

LAIRCM Phase I contract was awarded on 28 Sep 01. Phase I development will complete in 3rd Qtr 04. The NexGen MWS will enter source selection in Feb 04 with contract award planned for May 04. This award will go to two contractors to develop competing prototypes. In late FY06, a full and open competition will determine the winner of this NexGen MWS production contract.

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------|-------|------|-------|--------|-------|--------|-------|--------|-------|-------|-------|--------|
| | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST |
| RDT&E (3600) | | | [1] | 22.580 | | 10.000 | | 1.330 | | 2.000 | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | | | [7] | 2.072 | [4] | 1.554 | | | | | [16] | 9.543 |
| KITS NONRECUR | | | | | | | | | | | | |
| EQUIPMENT | | | [7] | 21.276 | [4] | 24.198 | | | | | [16] | 43.012 |
| EQUIP NONREC | | | | | | | | | | | | |
| CHANGE ORDERS | | | | 5.105 | | | | 1.443 | | 2.629 | | |
| DATA | | | | 0.816 | | 0.918 | | 1.133 | | | | 0.296 |
| SIM/TRAINER | | | | | | | [1] | 2.696 | | 2.910 | | |
| SUPPORT-EQUIP | | | | | | | | 3.096 | | | | |
| CONGRESSIONAL | | | [2] | 8.049 | [3] | 11.152 | | | | | | |
| CONTRACTOR SUPPORT | | | | | | | | 1.989 | | | | 0.402 |
| RETROFIT | | | | | | | [12] | 12.678 | | | | 2.317 |

Projected Financial Plan Continued

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| FY-03 KITS | | | | | [6] | 2.480 | | | | | | |
| FY-04 KITS | | | | | [3] | 1.860 | | | | | | |
| FY-05 KITS | | | | | | | [8] | 6.250 | [12] | | | |
| FY-07 KITS | | | | | | | | | | | [16] | 9.543 |
| TOTAL INSTALL | | | | | 9 | 4.340 | 8 | 6.250 | 12 | | 16 | 9.543 |
| TOTAL COST (BP-1100) | | | | | | | | | | | | |
| (Totals may not add due to rounding) | | | | 37.318 | | 42.162 | | 29.285 | | 5.539 | | 65.113 |
| INSTALLATION QTY | | | | | 9 | | 7 | | | | | |

(Continued)

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | [1] | 35.910 |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | [27] | 13.169 |
| KITS NONRECUR | | | | | | | | |
| EQUIPMENT | | | | | | | [27] | 88.486 |
| EQUIP NONREC | | | | | | | | |
| CHANGE ORDERS | | | | | | | | 9.177 |
| DATA | | | | | | | | 3.163 |
| SIM/TRAINER | | | | | | | [1] | 5.606 |
| SUPPORT-EQUIP | | | | | | | | 3.096 |
| CONGRESSIONAL | | | | | | | [5] | 19.201 |
| CONTRACTOR SUPPORT | | | | | | | | 2.391 |
| RETROFIT | | | | | | | [12] | 14.995 |
| INSTALLATION OF HARDWARE | | | | | | | | |
| FY-03 KITS | | | | | | | [6] | 2.480 |
| FY-04 KITS | | | | | | | [3] | 1.860 |
| FY-05 KITS | | | | | | | [20] | 6.250 |
| FY-07 KITS | | | | | | | [16] | 9.543 |
| TOTAL INSTALL | | | | | | | 45 | 20.133 |
| TOTAL COST (BP-1100) | | | | | | | | 179.417 |
| (Totals may not add due to rounding) | | | | | | | | |
| INSTALLATION QTY | | | | | | | 32 | |

Method of Implementation: DEPOT/FIELD TEAM

Initial Lead Time: 12 Months

Follow-On Lead Time: 12 Months

Milestones

| | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> |
|--------------------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | 12/02 | 10/03 | |
| Delivery Date (Month/CY) | 12/03 | 10/04 | |

Installation Schedule

| Quarter | <u>FY-02</u> | | | | <u>FY-03</u> | | | | <u>FY-04</u> | | | | <u>FY-05</u> | | | | <u>FY-06</u> | | | | <u>FY-07</u> | | | | <u>FY-08</u> | | | | <u>FY-09</u> | | | |
|---------|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Input | | | | | | | | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | | | | | | | | | | 4 | 4 | 4 | 4 | | | | |
| Output | | | | | | | | | 3 | 2 | 2 | 2 | 2 | 2 | 3 | | | | | | | | | | | | | | 4 | 4 | 4 | 4 |

02/13/2004
 FY 2005 PB
 Modification Title and No: AAR-47 SENSOR UPGRADE MN-8651
 Models of Aircraft Affected: C-130E/H/EC/HN/HP

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT
 Center: WRALC Robins AFB GA

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: C-130 Class P
 PE 0401115F Team MOBIL

Description/Justification

This program installs an upgraded AAR-47 Missile Warning System (MWS) on C-130s equipped with Airlift Defensive System (ADS). The ADS consists of a MWS and flare and chaff dispenser system. The upgraded MWS has a new laser capability, sensors and processor. This program was initially funded under the ADS program and broken out its own modification program.

Aircraft Breakdown: Active 55, Reserve 79, ANG 78, Total 212

Development Status

None

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | | | | | | | | | | | | |
| KITS NONRECUR | | | | | | | | | | | | |
| EQUIPMENT | | | | | 84 | 5.855 | 66 | 4.620 | 62 | 4.340 | | |
| EQUIP NONREC | | | | | | | | | | | | |
| CHANGE ORDERS | | | | | | | | | | | | |
| DATA | | | | | | 0.547 | | 0.069 | | 0.055 | | |
| SIM/TRAINER | | | | | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | | | | | |
| SPARES | | | | | | | | | | | | |
| OGC | | | | | | 0.846 | | 0.450 | | 0.367 | | |
| PMA | | | | | | | | | | | | |
| TOTAL COST (BP-1100) | | | | | 84 | 7.248 | 66 | 5.139 | 62 | 4.762 | | |
| (Totals may not add due to rounding) | | | | | | | | | | | | |

(Continued)

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | | |
| KITS NONRECUR | | | | | | | | |
| EQUIPMENT | | | | | | | 212 | 14.815 |
| EQUIP NONREC | | | | | | | | |
| CHANGE ORDERS | | | | | | | | |
| DATA | | | | | | | | 0.671 |
| SIM/TRAINER | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | |
| SPARES | | | | | | | | |
| OGC | | | | | | | | 1.663 |
| PMA | | | | | | | | |
| TOTAL COST (BP-1100) | | | | | | | 212 | 17.149 |
| (Totals may not add due to rounding) | | | | | | | | |

Method of Implementation: ORG/INTERMEDIATE

Initial Lead Time: 12 Months

Follow-On Lead Time: 12 Months

Milestones

| | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> | <u>FY-06</u> |
|--------------------------|--------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | | 03/04 | 10/04 | 10/05 |
| Delivery Date (Month/CY) | | | 03/05 | 10/05 | 10/06 |

02/13/2004
 FY 2005 PB
 Modification Title and No: USM-464 TESTER MODIFICATION MN-8726
 Models of Aircraft Affected: AFSOC Aircraft

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT
 Center: WRALC Robins AFB GA

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: C-130 Class P
 PE 0404011F Team INFO

Description/Justification

The USM-464 certifies the operational performance of the electronic warfare systems installed on AFSOC aircraft. It is the only flightline tester available for the ALR-69 radar warning receiver as well as the ALQ-172 and ALQ-196 radar jammers. This modification funds the replacement of unsupportable computers and the highest failing components for all 18 testers. Without modification, the testers will become unsustainable and unable to perform required tests; current tester in-commission rates are seldom above 55% due to parts availability.

Aircraft Breakdown: Active 18, Reserve 0, ANG 0, Total 18

Development Status

The current USM-464 traveling wave tubes will be replaced with solid state generators and the computer processors will also be replaced. The modification will replace the current 2200lbs trailer configuration with a 2-man portable case weighing less than 200lbs

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | | | | | 18 | | | | | | | |
| KITS NONRECUR | | | | | | | | | | | | |
| EQUIPMENT | | | | | [18] | 5.107 | | | | | | |
| EQUIP NONREC | | | | | | | | | | | | |
| CHANGE ORDERS | | | | | | | | | | | | |
| DATA | | | | | | 1.144 | | | | | | |
| SIM/TRAINER | | | | | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | | | | | |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| FY-04 18 KITS | | | | | [18] | | | | | | | |
| TOTAL INSTALL | | | | | | 18 | | | | | | |
| TOTAL COST (BP-1100) | | | | | | 18 | 6.251 | | | | | |
| (Totals may not add due to rounding) | | | | | | | | | | | | |
| INSTALLATION QTY | | | | | | 18 | | | | | | |

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | 18 | |
| KITS NONRECUR | | | | | | | | |
| EQUIPMENT | | | | | | | [18] | 5.107 |
| EQUIP NONREC | | | | | | | | |
| CHANGE ORDERS | | | | | | | | |
| DATA | | | | | | | | 1.144 |
| SIM/TRAINER | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | |
| INSTALLATION OF HARDWARE | | | | | | | | |
| FY-04 18 KITS | | | | | | | [18] | |
| TOTAL INSTALL | | | | | | | 18 | |
| TOTAL COST (BP-1100) | | | | | | | 18 | 6.251 |
| (Totals may not add due to rounding) | | | | | | | | |
| INSTALLATION QTY | | | | | | | 18 | |

Method of Implementation: DEPOT

Initial Lead Time: 0 Months

Follow-On Lead Time: 0 Months

Milestones

| | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> | <u>FY-06</u> | <u>FY-07</u> | <u>FY-08</u> | <u>FY-09</u> | <u>FY-10</u> | <u>FY-11</u> | <u>FY-12</u> | <u>FY-13</u> | <u>FY-14</u> | <u>FY-15</u> | <u>FY-16</u> |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | | | | | | | | | | | | | | |
| Delivery Date (Month/CY) | | | | | | | | | | | | | | | |
| Contract Date (Month/CY) | | | | | | | | | | | | | | | |
| Delivery Date (Month/CY) | | | | | | | | | | | | | | | |

Installation Schedule

| Quarter | <u>FY-02</u> | | | | <u>FY-03</u> | | | | <u>FY-04</u> | | | |
|---------|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Input | | | | | | | | | 4 | 4 | 5 | 5 |
| Output | | | | | | | | | 4 | 4 | 5 | 5 |

02/13/2004
 FY 2005 PB
 Modification Title and No: ARC-222 RADIOS MN-9119

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: C-130 Class P

Models of Aircraft Affected: MC-130P & EC-130E

Center: WRALC Robins AFB GA

PE 0404011F Team INFO

Description/Justification

AFSOC MC-130 modification/installation of ARC-222 radios. The ARC-222 (SINGGARS) is a tactical VHF radio that provides anti-jam communications to the battlefield. It is a replacement for the current VHF radio with the addition of a new antenna to the aircraft. It provides interoperability with conventional and special forces. ARC-222 is the airborne version of the SINGGARS radio that has become the tactical battlefield standard for all US ground forces. ORD: 308-80-I/II-A R1, AF VHF Anti-jam Comm AN/ARC-222(SINGGARS)

Aircraft Breakdown: Active 23, Reserve 0, ANG 7, Total 30

Development Status

Radios are fully developed and on the shelf.

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--|-------|------|-------|-------|-------|------|-------|------|-------|------|-------|------|
| | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | | | 30 | 0.776 | | | | | | | | |
| KITS NONRECUR EQUIPMENT | | | [2] | 0.924 | | | | | | | | |
| EQUIP NONREC CHANGE ORDERS | | | | | | | | | | | | |
| DATA | | | | 0.722 | | | | | | | | |
| SIM/TRAINER | | | [1] | 0.080 | | | | | | | | |
| SUPPORT-EQUIP | | | | 0.080 | | | | | | | | |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| FY-03 30 KITS | | | [30] | 0.551 | | | | | | | | |
| TOTAL INSTALL | | | 30 | 0.551 | | | | | | | | |
| TOTAL COST (BP-1100) (Totals may not add due to rounding) | | | 30 | 3.133 | | | | | | | | |
| INSTALLATION QTY | | | 12 | | | | | | | | | |

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | 30 | 0.776 |
| KITS NONRECUR | | | | | | | [2] | 0.924 |
| EQUIPMENT | | | | | | | | |
| EQUIP NONREC | | | | | | | | |
| CHANGE ORDERS | | | | | | | | |
| DATA | | | | | | | | 0.722 |
| SIM/TRAINER | | | | | | | [1] | 0.080 |
| SUPPORT-EQUIP | | | | | | | | 0.080 |
| INSTALLATION OF HARDWARE | | | | | | | | |
| FY-03 30 KITS | | | | | | | [30] | 0.551 |
| TOTAL INSTALL | | | | | | | 30 | 0.551 |
| TOTAL COST (BP-1100) | | | | | | | 30 | 3.133 |
| (Totals may not add due to rounding) | | | | | | | | |
| INSTALLATION QTY | | | | | | | 30 | |

Method of Implementation: DEPOT/FIELD TEAM

Initial Lead Time: 3 Months

Follow-On Lead Time: 0 Months

Milestones

| | <u>FY-02</u> | <u>FY-03</u> |
|--------------------------|--------------|--------------|
| Contract Date (Month/CY) | | 01/03 |
| Delivery Date (Month/CY) | | 04/03 |

Installation Schedule

| Quarter | <u>FY-02</u> | | | | <u>FY-03</u> | | | | <u>FY-04</u> | | | |
|---------|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Input | | | | | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 |
| Output | | | | | 4 | 4 | 4 | 4 | 4 | 5 | 5 | |

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

02/13/2004
 FY 2005 PB
 Modification Title and No: AIRBORNE FIRE FIGHTING SYSTEM (AFFS) MN-9120

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: C-130 Class P

Models of Aircraft Affected:

Center: WRALC Robins AFB GA

PE 0401115F

Team MOBIL

Description/Justification

Aircraft Breakdown: Active , Reserve , ANG , Total 0

Development Status

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | | | | | | | | | | | | |
| KITS NONRECUR | | | | | | | | | | | | |
| EQUIPMENT | | | | | | | | | | | | |
| EQUIP NONREC | | | | | | | | | | | | |
| CHANGE ORDERS | | 1.669 | | 4.770 | | | | | | | | |
| DATA | | | | | | | | | | | | |
| SIM/TRAINER | | | | | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | | | | | |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| TOTAL INSTALL | | | | | | | | | | | | |
| TOTAL COST (BP-1100) | | 1.669 | | 4.770 | | | | | | | | |
| (Totals may not add due to rounding) | | | | | | | | | | | | |
| INSTALLATION QTY | | | | | | | | | | | | |

02/13/2004
 FY 2005 PB
 Modification Title and No: MC-130 AIR CONDITIONING MN-9121

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: C-130 Class P

Models of Aircraft Affected: MC-130P

Center: WRALC Robins AFB GA

PE 0404011F

Team INFO

Description/Justification

The current environmental control system (ECS) configuration on the MC-130P is inadequate in BTU cooling capacity, distribution and reliability. The current ECS deficiencies are common to C-130Es, but the additional avionics required for the MC-130P exacerbates the problem and leads to poor avionics cooling, higher mean time between failures and crews flying low-level missions at temperatures exceeding 98F. This program will replace the existing air conditioner with the same air conditioning system used on the MC130E (Combat Talon I) This air conditioning system has been proven to provide adequate cooling in a similar type aircraft.

Aircraft Breakdown: Active 23, Reserve 0, ANG 4, Total 27

Development Status

Off the shelf technology has been selected.

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | | | | | 1 | 0.100 | 1 | 0.100 | 13 | 1.200 | 12 | 1.200 |
| KITS NONRECUR | | | | | | 1.167 | | | | | | |
| EQUIPMENT | | | | | [1] | 0.425 | [1] | 0.425 | [13] | 4.525 | [12] | 5.100 |
| EQUIP NONREC | | | | | | | | | | | | |
| CHANGE ORDERS | | | | | | 0.397 | | 0.513 | | | | |
| DATA | | | | | | 0.400 | | 0.090 | | | | |
| SIM/TRAINER | | | | | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | | | | | |
| ICS | | | | | | 0.050 | | 0.135 | | | | |
| OGC | | | | | | 0.150 | | 0.174 | | 0.050 | | 0.028 |
| FLIGHT TEST | | | | | | 0.125 | | 0.150 | | | | |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| FY-04 1 KITS | | | | | [1] | | | | | | | |
| FY-05 1 KITS | | | | | | | [1] | 0.170 | | | | |
| FY-06 13 KITS | | | | | | | | | [13] | 1.272 | | |
| FY-07 12 KITS | | | | | | | | | | | [12] | 1.440 |
| TOTAL INSTALL | | | | | 1 | | 1 | 0.170 | 13 | 1.272 | 12 | 1.440 |
| TOTAL COST (BP-1100) | | | | | 1 | 2.814 | 1 | 1.757 | 13 | 7.047 | 12 | 7.768 |
| (Totals may not add due to rounding) | | | | | | | | | | | | |
| INSTALLATION QTY | | | | | 1 | | 1 | | 13 | | 12 | |

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | 27 | 2.600 |
| KITS NONRECUR | | | | | | | | 1.167 |
| EQUIPMENT | | | | | | | [27] | 10.475 |
| EQUIP NONREC | | | | | | | | |
| CHANGE ORDERS | | | | | | | | 0.910 |
| DATA | | | | | | | | 0.490 |
| SIM/TRAINER | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | |
| ICS | | | | | | | | 0.185 |
| OGC | | | | | | | | 0.402 |
| FLIGHT TEST | | | | | | | | 0.275 |
| INSTALLATION OF HARDWARE | | | | | | | | |
| FY-04 1 KITS | | | | | | | [1] | |
| FY-05 1 KITS | | | | | | | [1] | 0.170 |
| FY-06 13 KITS | | | | | | | [13] | 1.272 |
| FY-07 12 KITS | | | | | | | [12] | 1.440 |
| TOTAL INSTALL | | | | | | | 27 | 2.882 |
| TOTAL COST (BP-1100) | | | | | | | 27 | 19.386 |
| (Totals may not add due to rounding) | | | | | | | | |
| INSTALLATION QTY | | | | | | | 27 | |

Method of Implementation: CONTRACT FIELD TEAM

Initial Lead Time: 4 Months

Follow-On Lead Time: 1 Months

Milestones

| | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> | <u>FY-06</u> | <u>FY-07</u> |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | | 12/03 | 12/04 | 10/05 | 10/06 |
| Delivery Date (Month/CY) | | | 04/04 | 01/05 | 11/05 | 11/06 |

Installation Schedule

| Quarter | <u>FY-02</u> | | | | <u>FY-03</u> | | | | <u>FY-04</u> | | | | <u>FY-05</u> | | | | <u>FY-06</u> | | | | <u>FY-07</u> | | | |
|---------|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Input | | | | | | | | | 1 | | | | 1 | | | | 5 | 5 | 3 | | 4 | 4 | 4 | |
| Output | | | | | | | | | | | | | 1 | 1 | | | 5 | 5 | 3 | | 4 | 4 | 4 | |

02/13/2004
 FY 2005 PB
 Modification Title and No: APN-241 RADAR - AFSOC MN-9122

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: C-130 Class P

Models of Aircraft Affected: AC-130Hs

Center: WRALC Robins AFB GA

PE 0404011F

Team INFO

Description/Justification

Replace the AN/APN-59 radars currently on AFSOC's AC-130H Gunship. The AN/APN-59 is a 1950's vintage radar, plagued by high failure rates (40-50 hours MTBF/5-6 flights). The APN-241 provides precision ground mapping, color weather detection, traffic collision avoidance, predictive windshear, reduced RF signature and a MTBF of 800 hours. The APN-241 radar will be the USAF radar for C-130s and is required for AMP.

Aircraft Breakdown: Active 8, Reserve 0, ANG 0, Total 8

Development Status

APN-241 currently installed on USAF C-130H(3)s and C-130Js.

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | | |
|--------------------------------------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|------|-------|
| | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST | |
| RDT&E (3600) | | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | | |
| INSTALL KITS | | | | | 1 | 0.078 | | | 6 | 0.468 | | | |
| KITS NONRECUR | | | | | 1 | 0.765 | | | | | | | |
| EQUIPMENT | | | | | [1] | 0.587 | | | [6] | 3.533 | | | |
| EQUIP NONREC | | | | | [1] | 2.510 | | | | | | | |
| CHANGE ORDERS | | | | | | | | 0.030 | | | | | |
| DATA | | | | | | 1.160 | | 1.594 | | | | | |
| SIM/TRAINER | | | | | | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | | | | | | |
| ICS | | | | | | 0.247 | | 0.300 | | 0.200 | | | |
| OGC | | | | | | 0.370 | | 0.050 | | 0.100 | | | |
| FLT TEST | | | | | | | | 0.100 | | | | | |
| REPROGRAM | | | | | | | | | | 0.000 | | | |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | | |
| FY-04 | | | | | | | | | | | | | |
| FY-06 | | | | | | | | | | | | | |
| TOTAL INSTALL | | | | | | | | 2 | 0.100 | | | 6 | 0.600 |
| TOTAL COST (BP-1100) | | | | | | | | | | | | | |
| (Totals may not add due to rounding) | | | | | 2 | 5.717 | | 2.174 | | 6 | 4.301 | | 0.600 |
| INSTALLATION QTY | | | | | | | | 2 | | | | 6 | |

(Continued)

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | 7 | 0.546 |
| KITS NONRECUR | | | | | | | 1 | 0.765 |
| EQUIPMENT | | | | | | | [7] | 4.120 |
| EQUIP NONREC | | | | | | | [1] | 2.510 |
| CHANGE ORDERS | | | | | | | | 0.030 |
| DATA | | | | | | | | 2.754 |
| SIM/TRAINER | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | |
| ICS | | | | | | | | 0.747 |
| OGC | | | | | | | | 0.520 |
| FLT TEST | | | | | | | | 0.100 |
| REPROGRAM | | | | | | | | |
| INSTALLATION OF HARDWARE | | | | | | | | |
| FY-04 2 KITS | | | | | | | [2] | 0.100 |
| FY-06 6 KITS | | | | | | | [6] | 0.600 |
| TOTAL INSTALL | | | | | | | 8 | 0.700 |
| TOTAL COST (BP-1100) | | | | | | | 8 | 12.792 |
| (Totals may not add due to rounding) | | | | | | | | |
| INSTALLATION QTY | | | | | | | 8 | |

Method of Implementation: CONTRACT FIELD TEAM

Initial Lead Time: 12 Months

Follow-On Lead Time: 14 Months

Milestones

| | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> | <u>FY-06</u> | <u>FY-07</u> |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | | 12/03 | 12/04 | 12/05 | 12/06 |
| Delivery Date (Month/CY) | | | 12/04 | 02/06 | 02/07 | 02/08 |

Installation Schedule

| Quarter | <u>FY-02</u> | | | | <u>FY-03</u> | | | | <u>FY-04</u> | | | | <u>FY-05</u> | | | | <u>FY-06</u> | | | | <u>FY-07</u> | | | | <u>FY-08</u> | | | |
|---------|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Input | | | | | | | | | | | | | 1 | 1 | | | | | | | 2 | 2 | 2 | | | | | |
| Output | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | 2 | 2 | 2 | |

02/13/2004
 FY 2005 PB
 Modification Title and No: AC-130 LINK 16 GUNSHIP MN-9126

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: C-130 Class P

Models of Aircraft Affected: AC-130

Center: WRALC Robins AFB GA

PE 0401839F

Team AIR

Description/Justification

Develop, procure, and install combined Link 16, Beyond Line-of-Sight (BLOS) Tactical Data Information Link Joint (TADIL J), and gateway growth potential for AFSOC aircraft. The Tactical Data Link (TDL) will be installed on all AC-130 aircraft to provide enhanced situational awareness and connectivity for the air and ground environment.

Aircraft Breakdown: Active 25, Reserve 0, ANG 0, Total 25

Development Status

Requirements definition to begin in FY06

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | | | | | | | [4] | 10.827 | [21] | 17.778 | | |
| KITS NONRECUR | | | | | | | | | | | | |
| EQUIPMENT | | | | | | | [4] | 0.921 | [12] | 6.214 | | |
| EQUIP NONREC | | | | | | | | | | | | |
| CHANGE ORDERS | | | | | | | | | | | | |
| DATA | | | | | | | | | | | | |
| SIM/TRAINER | | | | | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | | | | | |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| TOTAL INSTALL | | | | | | | | | | | | |
| TOTAL COST (BP-1100) | | | | | | | | 11.748 | | 23.992 | | |
| (Totals may not add due to rounding) | | | | | | | | | | | | |
| INSTALLATION QTY | | | | | | | | | | | | |

(Continued)

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | [25] | 28.605 |
| KITS NONRECUR | | | | | | | | |
| EQUIPMENT | | | | | | | [4] | 7.135 |
| EQUIP NONREC | | | | | | | | |
| CHANGE ORDERS | | | | | | | | |
| DATA | | | | | | | | |
| SIM/TRAINER | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | |
| INSTALLATION OF HARDWARE | <hr/> | | | | | | | |
| TOTAL INSTALL | <hr/> | | | | | | | |
| TOTAL COST (BP-1100) | <hr/> | | | | | | | |
| (Totals may not add due to rounding) | | | | | | | | 35.740 |
| INSTALLATION QTY | | | | | | | 25 | |

Method of Implementation: DEPOT/FIELD TEAM

Initial Lead Time: 24 Months

Follow-On Lead Time: 24 Months

Milestones

| | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> | <u>FY-06</u> |
|--------------------------|--------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | | | 03/05 | 03/06 |
| Delivery Date (Month/CY) | | | | 03/07 | 03/08 |

Installation Schedule

| Quarter | <u>FY-02</u> | | | | <u>FY-03</u> | | | | <u>FY-04</u> | | | | <u>FY-05</u> | | | | <u>FY-06</u> | | | | <u>FY-07</u> | | | | <u>FY-08</u> | | | |
|---------|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Input | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Output | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

02/13/2004
 FY 2005 PB
 Modification Title and No: LOW COST MODIFICATIONS MN-99999X
 Models of Aircraft Affected: C-130

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT
 Center: WRALC Robins AFB GA

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: C-130 Class P
 PE 0401115F Team MOBIL

Description/Justification

These are low cost modifications necessary to improve reliability, maintainability, safety and mission performance of the C-130 aircraft.

Aircraft Breakdown: Active 0, Reserve 0, ANG 0, Total 0

Development Status

N/A.

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | | | | | | | | | | | | |
| KITS NONRECUR | | | | | | | | | | | | |
| EQUIPMENT | | | | | | | | | | | | |
| EQUIP NONREC | | | | | | | | | | | | |
| CHANGE ORDERS | | | | | | | | | | | | |
| DATA | | | | | | | | | | | | |
| SIM/TRAINER | | | | | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | | | | | |
| REFURB OF EMD ASSETS | | 1.843 | | | | | | | | | | |
| AIRCRAFT | | 1.510 | | 1.326 | | | 0.135 | | 0.028 | | | 1.813 |
| PLS | | 1.475 | | 0.012 | | | | | | | | |
| *** See Remarks *** | | 1.526 | | | | | | | | | | |
| TOTAL COST (BP-1100) | | | | | | | | | | | | |
| (Totals may not add due to rounding) | | 6.354 | | 1.338 | | | 0.135 | | 0.028 | | | 1.813 |

(Continued)

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | | |
| KITS NONRECUR | | | | | | | | |
| EQUIPMENT | | | | | | | | |
| EQUIP NONREC | | | | | | | | |
| CHANGE ORDERS | | | | | | | | |
| DATA | | | | | | | | |
| SIM/TRAINER | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | |
| REFURB OF EMD ASSETS | | | | | | | | 1.843 |
| AIRCRAFT | | 1.829 | | 1.819 | | 1.900 | | 10.360 |
| PLS | | | | | | | | 1.487 |
| *** See Remarks *** | | | | | | | | 1.526 |
| TOTAL COST (BP-1100) | | 1.829 | | 1.819 | | 1.900 | | 15.216 |
| (Totals may not add due to rounding) | | | | | | | | |

Method of Implementation:

Initial Lead Time: 0 Months

Follow-On Lead Time: 0 Months

Milestones

| | <u>FY-92</u> | <u>FY-93</u> | <u>FY-94</u> | <u>FY-95</u> | <u>FY-96</u> | <u>FY-97</u> | <u>FY-98</u> | <u>FY-99</u> | <u>FY-00</u> | <u>FY-01</u> | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> | <u>FY-06</u> |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | | | | | | | | | | | | | | |
| Delivery Date (Month/CY) | | | | | | | | | | | | | | | |
| Contract Date (Month/CY) | <u>FY-07</u> | <u>FY-08</u> | <u>FY-09</u> | <u>FY-10</u> | | | | | | | | | | | |
| Delivery Date (Month/CY) | | | | | | | | | | | | | | | |

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

02/13/2004
 FY 2005 PB
 Modification Title and No: ANG SENIOR SCOUT MN-SCOUT

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: C-130 Class P

Models of Aircraft Affected: Multiple

Center: ASC - Wright Patterson AFB, OH

PE 0503115F

Team INFO

Description/Justification

SENIOR SCOUT is an Intelligence, Surveillance and Reconnaissance (ISR) suite of equipment configured in a shelter capable of installation in non-dedicated C-130E/H aircraft. The system provides capabilities to exploit, geolocate and report COMINT and ELINT Signals of Interest (SOI) to air and ground component commanders. It is a flexible, low profile capability adaptable to Strategic, Tactical, Counter Drug and Military Operations Other Than War. The SENIOR SCOUT Reliability and Maintainability program provides for the sustained operational capabilities of the current platform. SENIOR SCOUT was fielded in FY89 and has been previously maintained/sustained by operations and maintenance funds. To extend the life of the sensor suite, obsolete hardware and software must continue to be replaced. Certain mandated interoperability and communications structures (i.e., JTIDS and DAMA) must be complied with. These funds provide for the non-recurring engineering, fabrication and installation of three (3) shelter update kits beginning in FY02 with installations completing in FY05. All funds are managed in Air National Guard. Also, includes Senior Scout FY02-07 IPDM add of \$16M. This PE was transferred from DARP mods for FY 03 and out.

Aircraft Breakdown: Active 0, Reserve 0, ANG 0, Total 0

Development Status

N/A

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|-------|------|-------|--------|-------|--------|-------|-------|-------|-------|-------|-------|
| | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | | | [1] | 17.405 | [1] | 11.304 | | | | | | |
| KITS NONRECUR | | | | | | | | | | | | |
| EQUIPMENT | | | | | | | | | | | | |
| EQUIP NONREC | | | | | | | | | | | | |
| CHANGE ORDERS | | | | | | | | 3.165 | | 3.277 | | 3.350 |
| DATA | | | | | | | | | | | | |
| SIM/TRAINER | | | | | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | | | | | |
| PBD 604 | | | | | | | | | | | | |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| TOTAL INSTALL | | | | | | | | | | | | |
| TOTAL COST (BP-1100) | | | | 17.405 | | 11.304 | | 3.165 | | 3.277 | | 3.350 |
| (Totals may not add due to rounding) | | | | | | | | | | | | |
| INSTALLATION QTY | | | | | | | | | | | | |

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UNCLASSIFIED

| BUDGET ITEM JUSTIFICATION (EXHIBIT P-40) | | | | | | | DATE February 2004 |
|--|---------|----------|----------|-------------------------------|----------|----------|-----------------------|
| APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT-AIR FORCE/AIRCRAFT Modifications | | | | P-1 ITEM NOMENCLATURE: C-130J | | | |
| | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 |
| COST (In Mil) | \$0.000 | \$11.759 | \$36.921 | \$30.862 | \$38.484 | \$39.170 | \$64.903 |

This line item funds modifications to the C130J aircraft, funds procurement and installation of aircraft defensive avionics system hardware and software upgrades for USAF C/CC/EC/WC-130J aircraft and aircrew training devices (ATDs). These upgrades enable aircraft survivability in hostile operating environments and preserve HW/SW commonality with other USAF aircraft with the same system. The primary modification for FY05 is Blk 5.4.

| <u>CLASS</u> | <u>MOD NR</u> | <u>MODIFICATION TITLE</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> | <u>FY-06</u> | <u>FY-07</u> | <u>FY-08</u> | <u>FY-09</u> | <u>COST TO GO</u> | <u>TOTAL PROG</u> |
|---------------------------------------|---------------|---------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------------|-------------------|
| P | _1377 | BLOCK 5.4 | | 9.8 | 25.4 | 7.4 | | | | | 67.6 |
| | _1701 | C-130J BLOCK 6.0 UPGRADES | | | 9.8 | 21.6 | 29.6 | 18.4 | 2.0 | | 191.4 |
| | _5222 | BLOCK 8.0 | | | | | | | 17.0 | 154.9 | 923.5 |
| | _6298 | C-130J BLOCK 7.0 UPGRADES | | | | | 7.0 | 18.8 | 43.9 | 45.7 | 429.6 |
| | 99999X | LOW COST MODIFICATIONS | | 2.0 | 1.7 | 1.9 | 1.9 | 2.0 | 2.0 | | 11.5 |
| TOTAL FOR CLASS P | | | 0.0 | 11.8 | 36.9 | 30.9 | 39.2 | 38.5 | 64.9 | 200.7 | 1,623.7 |
| TOTAL FOR WEAPON SYSTEM C-130J | | | 0.0 | 11.8 | 36.9 | 30.9 | 39.2 | 38.5 | 64.9 | 200.7 | 1,623.7 |

Totals may not add due to rounding.

| | | | |
|--|-------------------------------|---------------|--|
| | P-1 SHOPP LIST ITEM NO. 48 | PAGE NO. 1 | |
|--|-------------------------------|---------------|--|

02/13/2004
 FY 2005 PB
 Modification Title and No: BLOCK 5.4 MN-1377

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: C-130J Class P

Models of Aircraft Affected: C-130J, C-130J-30, WC-130J,
 EC-130J

Center: ASC - Wright Patterson AFB, OH

PE 0401132F Team MOBIL

Description/Justification

Funds the procurement and installation and hardware changes which are required to provide a basic operational capability. Block 5.4 bridges the gap between the commercially developed C-130J and the minimum user requirements.

Aircraft Breakdown: Active 7, Reserve 17, ANG 26, Total 50

Development Status

N/A

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|-------|---------|-------|------|-------|-------|-------|--------|-------|-------|-------|------|
| | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | | | | | 17 | 9.772 | 33 | 17.800 | | | | |
| KITS NONRECUR | | | | | | | | | | | | |
| EQUIPMENT | | | | | | | | | | | | |
| EQUIP NONREC | | | | | | | | | | | | |
| CHANGE ORDERS | | | | | | | | | | | | |
| DATA | | | | | | | | | | | | |
| SIM/TRAINER | | | | | | | [8] | 4.600 | | | | |
| SUPPORT-EQUIP | | | | | | | | | | | | |
| ATD INTEGRATION | | | | | | | | | [8] | 2.000 | | |
| OTHER | | | | | | | | | | | | |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| FY-04 | | 17 KITS | | | | | [17] | 3.000 | | | | |
| FY-05 | | 33 KITS | | | | | | | [33] | 5.400 | | |
| FY-06 | | 0 KITS | | | | | | | | | | |
| TOTAL INSTALL | | | | | | | 17 | 3.000 | 33 | 5.400 | | |
| TOTAL COST (BP-1100) | | | | | 17 | 9.772 | 33 | 25.400 | | 7.400 | | |
| (Totals may not add due to rounding) | | | | | | | | | | | | |
| INSTALLATION QTY | | | | | | | 17 | | 33 | | | |

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | 50 | 27.572 |
| KITS NONRECUR | | | | | | | | |
| EQUIPMENT | | | | | | | | |
| EQUIP NONREC | | | | | | | | |
| CHANGE ORDERS | | | | | | | | |
| DATA | | | | | | | | |
| SIM/TRAINER | | | | | | | [8] | 4.600 |
| SUPPORT-EQUIP | | | | | | | | |
| ATD INTEGRATION | | | | | | | [8] | 2.000 |
| OTHER | | | | | | | | |
| INSTALLATION OF HARDWARE | | | | | | | | |
| FY-04 | | 17 KITS | | | | | [17] | 3.000 |
| FY-05 | | 33 KITS | | | | | [33] | 5.400 |
| FY-06 | | 0 KITS | | | | | | |
| TOTAL INSTALL | | | | | | | 50 | 9.400 |
| TOTAL COST (BP-1100) | | | | | | | 50 | 42.572 |
| (Totals may not add due to rounding) | | | | | | | | |
| INSTALLATION QTY | | | | | | | 50 | |

Method of Implementation: COMBINATION

Initial Lead Time: 12 Months

Follow-On Lead Time: 12 Months

Milestones

| | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> | <u>FY-06</u> |
|--------------------------|--------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | | 11/03 | 11/04 | 11/05 |
| Delivery Date (Month/CY) | | | 11/04 | 11/05 | 11/06 |

Installation Schedule

| Quarter | <u>FY-02</u> | | | | <u>FY-03</u> | | | | <u>FY-04</u> | | | | <u>FY-05</u> | | | | <u>FY-06</u> | | | | <u>FY-07</u> | | | |
|---------|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Input | | | | | | | | | | | | | 4 | 4 | 4 | 5 | 7 | 8 | 9 | 9 | | | | |
| Output | | | | | | | | | | | | | 4 | 4 | 4 | 5 | 7 | 8 | 9 | 9 | | | | |

02/13/2004
 FY 2005 PB
 Modification Title and No: C-130J BLOCK 6.0 UPGRADES MN-_1701

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: C-130J Class P

Models of Aircraft Affected: C-130J, C-130J-30, WC-130J,
 EC-130J

Center: ASC - Wright Patterson AFB, OH

PE 0401132F Team MOBIL

Description/Justification

Funds the procurement and installation of Global Air Traffic Management (GATM)/navigation safety and other aircraft hardware and software improvements on USAF C-130J aircraft and associated training systems.

Aircraft Breakdown: Active 29, Reserve 17, ANG 31, Total 77

Development Status

Development of the Block 6.0 upgrade begins in 2Q/FY04. Expect operational safety, suitability, and effectiveness (OSS&E) certification in 4Q/FY05

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|-------|------|-------|------|-------|--------|-------|--------|-------|--------|-------|--------|
| | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST |
| RDT&E (3600) | | | | | [3] | 12.885 | | 34.864 | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | | | | | | | 10 | 7.000 | 24 | 16.800 | 28 | 19.600 |
| KITS NONRECUR EQUIPMENT | | | | | | | | | | | | |
| EQUIP NONREC CHANGE ORDERS | | | | | | | | | | | | |
| DATA | | | | | | | | | | | | |
| SIM/TRAINER | | | | | | | [4] | 2.800 | [2] | 1.400 | [3] | 2.100 |
| SUPPORT-EQUIP | | | | | | | | | | | | |
| SPARES | | | | | | | | | | 1.623 | | 4.601 |
| ATD INTEGRATION | | | | | | | | | [4] | 0.500 | [2] | 0.250 |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| FY-05 10 KITS | | | | | | | | | [10] | 1.250 | | |
| FY-06 24 KITS | | | | | | | | | | | [24] | 3.000 |
| FY-07 28 KITS | | | | | | | | | | | | |
| FY-08 15 KITS | | | | | | | | | | | | |
| TOTAL INSTALL | | | | | | | | | 10 | 1.250 | 24 | 3.000 |
| TOTAL COST (BP-1100) | | | | | | | | | 10 | 9.800 | 24 | 21.573 |
| (Totals may not add due to rounding) | | | | | | | | | | | | |
| INSTALLATION QTY | | | | | | | | | 10 | | 24 | |

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

02/13/2004
 FY 2005 PB
 Modification Title and No: LOW COST MODIFICATIONS MN-99999X

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: C-130J Class P

Models of Aircraft Affected: C-130J, C-130J-30, WC-130J,
 EC-130J

Center: AMC - Scott AFB, IL

PE 0401132F Team MOBIL

Description/Justification

Funds the procurement of low cost safety of flight modifications and contractor service bulletins necessary to maintain the airworthiness, capability, reliability, and maintainability of USAF C-130J aircraft.

Aircraft Breakdown: Active , Reserve , ANG , Total 0

Development Status

NA

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|-------|------|-------|------|-------|-------|-------|------|-------|------|-------|-------|
| | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | | | | | | | | | | | | |
| KITS NONRECUR | | | | | | | | | | | | |
| EQUIPMENT | | | | | | | | | | | | |
| EQUIP NONREC | | | | | | | | | | | | |
| CHANGE ORDERS | | | | | | | | | | | | |
| DATA | | | | | | | | | | | | |
| SIM/TRAINER | | | | | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | | | | | |
| CONGRESSIONAL | | | | | | 1.987 | | | | | | |
| SERVICE BLTN | | | | | | | 1.721 | | 1.889 | | | 1.933 |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| TOTAL INSTALL | | | | | | | | | | | | |
| TOTAL COST (BP-1100) | | | | | | 1.987 | 1.721 | | 1.889 | | | 1.933 |
| (Totals may not add due to rounding) | | | | | | | | | | | | |
| INSTALLATION QTY | | | | | | | | | | | | |

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | | |
| KITS NONRECUR | | | | | | | | |
| EQUIPMENT | | | | | | | | |
| EQUIP NONREC | | | | | | | | |
| CHANGE ORDERS | | | | | | | | |
| DATA | | | | | | | | |
| SIM/TRAINER | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | 1.987 |
| CONGRESSIONAL | | | | | | | | 9.543 |
| SERVICE BLTN | | 2.000 | | 2.000 | | | | |
| INSTALLATION OF HARDWARE | | | | | | | | |
| TOTAL INSTALL | | | | | | | | |
| TOTAL COST (BP-1100) | | | | | | | | |
| (Totals may not add due to rounding) | | 2.000 | | 2.000 | | | | 11.530 |
| INSTALLATION QTY | | | | | | | | |

Method of Implementation: COMBINATION

Initial Lead Time: 0 Months

Follow-On Lead Time: 0 Months

Milestones

| | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> | <u>FY-06</u> | <u>FY-07</u> | <u>FY-08</u> | <u>FY-09</u> | <u>FY-10</u> | <u>FY-11</u> | <u>FY-12</u> | <u>FY-13</u> | <u>FY-14</u> | <u>FY-15</u> | <u>FY-16</u> |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | | | | | | | | | | | | | | |
| Delivery Date (Month/CY) | | | | | | | | | | | | | | | |
| Contract Date (Month/CY) | | | | | | | | | | | | | | | |
| Delivery Date (Month/CY) | | | | | | | | | | | | | | | |

Installation Schedule

| | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> | <u>FY-06</u> | <u>FY-07</u> | <u>FY-08</u> | <u>FY-09</u> |
|---------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Quarter | 1 2 3 4 | 1 2 3 4 | 1 2 3 4 | 1 2 3 4 | 1 2 3 4 | 1 2 3 4 | 1 2 3 4 | 1 2 3 4 |
| Input | | | | | | | | |
| Output | | | | | | | | |
| Quarter | <u>FY-10</u> | <u>FY-11</u> | <u>FY-12</u> | <u>FY-13</u> | <u>FY-14</u> | <u>FY-15</u> | <u>FY-16</u> | |
| Input | 1 2 3 4 | 1 2 3 4 | 1 2 3 4 | 1 2 3 4 | 1 2 3 4 | 1 2 3 4 | 1 2 3 4 | |
| Output | | | | | | | | |

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UNCLASSIFIED

| BUDGET ITEM JUSTIFICATION (EXHIBIT P-40) | | | | | | | DATE February 2004 |
|--|----------|-----------|----------|------------------------------|-----------|-----------|-----------------------|
| APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT-AIR FORCE/AIRCRAFT Modifications | | | | P-1 ITEM NOMENCLATURE: C-135 | | | |
| | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 |
| COST (In Mil) | \$98.603 | \$115.022 | \$51.905 | \$92.163 | \$128.664 | \$126.706 | \$131.345 |

This line item funds modifications to the C-135 and KC-135 aircraft. 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. The primary modification budgeted in FY05 is the Global Air Traffic Management (GATM). Other modifications are budgeted to enhance operational capability while improving flight safety, reliability, and maintainability. The specific modifications budgeted and programmed are listed below.

| CLASS | MOD NR | MODIFICATION TITLE | FY-03 | FY-04 | FY-05 | FY-06 | FY-07 | FY-08 | FY-09 | COST TO GO | TOTAL PROG |
|----------------------------|--------|--------------------------|-------|-------|-------|-------|-------|-------|-------|------------|------------|
| P-S | 99999A | LOW COST SAFETY MODIFIC | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | | | | 0.9 |
| TOTAL FOR CLASS P-S | | | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.9 |
| P | 3009E | C-135 REENGINE | 0.1 | 33.4 | | | | | | | 689.7 |
| | 3149F | FLIGHT DATA RECORDER & C | 1.5 | | | | | | | | 122.4 |
| | 8629 | LARGE AIRCRAFT INFRARED | | | | | 50.3 | | | | 98.3 |
| | 9709 | GATM PHASE II | 86.5 | 65.6 | 45.9 | 76.2 | 66.9 | 126.7 | 131.3 | 370.5 | 5,504.1 |
| | 9737 | ELECTROMAGNETIC PULSE | 0.3 | | | | | | | | 5.5 |
| | 9738 | CONTROL COLUMN BREAK (C | | 6.0 | 5.1 | 15.4 | 11.0 | | | | 100.4 |
| | 9812 | RADOME REPLACEMENT | 3.5 | 3.6 | | | | | | | 13.8 |
| | 9813 | AIRCRAFT LATRINE MODIFIC | 4.9 | | | | | | | | 7.4 |
| | 99999X | LOW COST MODIFICATIONS | 0.5 | 1.0 | 1.0 | 0.6 | 0.5 | 0.1 | 0.1 | | 14.2 |
| | SIM135 | SIMULATOR UPGRADE | 1.3 | | | | | | | | 59.0 |
| | Z88888 | REPROGRAMMINGS | 0.1 | 3.0 | | | | | | | 3.1 |
| TOTAL FOR CLASS P | | | 98.8 | 112.6 | 52.0 | 92.2 | 128.6 | 126.8 | 131.4 | 370.5 | 6,618.0 |
| | 9814 | BOWST | | 2.6 | | | | | | | 5.1 |

Totals may not add due to rounding.

| | | |
|--|-------------------------------|---------------|
| | P-1 SHOPP LIST ITEM NO. 49 | PAGE NO. 1 |
|--|-------------------------------|---------------|

UNCLASSIFIED

| | | | | | | | |
|--|----------|-----------|----------|-------------------------------------|-----------|-----------|------------------------------|
| BUDGET ITEM JUSTIFICATION (EXHIBIT P-40) | | | | | | | DATE February 2004 |
| APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT-AIR FORCE/AIRCRAFT Modifications | | | | P-1 ITEM NOMENCLATURE: C-135 | | | |
| | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 |
| COST (In Mil) | \$98.603 | \$115.022 | \$51.905 | \$92.163 | \$128.664 | \$126.706 | \$131.345 |

This line item funds modifications to the C-135 and KC-135 aircraft. 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. The primary modification budgeted in FY05 is the Global Air Traffic Management (GATM). Other modifications are budgeted to enhance operational capability while improving flight safety, reliability, and maintainability. The specific modifications budgeted and programmed are listed below.

| <u>CLASS</u> | <u>MOD NR</u> | <u>MODIFICATION TITLE</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> | <u>FY-06</u> | <u>FY-07</u> | <u>FY-08</u> | <u>FY-09</u> | <u>COST TO GO</u> | <u>TOTAL PROG</u> |
|--------------------------------------|---------------|---------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------------|-------------------|
| TOTAL FOR CLASS | | | 0.0 | 2.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.1 |
| TOTAL FOR WEAPON SYSTEM C-135 | | | 98.8 | 115.2 | 52.1 | 92.3 | 128.7 | 126.8 | 131.4 | 370.5 | 6,623.9 |

Totals may not add due to rounding.

| | | | |
|--|-------------------------------|---------------|--|
| | P-1 SHOPP LIST ITEM NO. 49 | PAGE NO. 2 | |
|--|-------------------------------|---------------|--|

UNCLASSIFIED
MODIFICATION OF AIRCRAFT

02/13/2004
FY 2005 PB
Modification Title and No: C-135 REENGINE MN-3009E

Exhibit P3A Congressional
Appropriation: Aircraft Procurement, Air Force
CLC: C-135 Class P

Models of Aircraft Affected: C/KC-135

Center: OC-ALC - Tinker AFB Okla City, OK

PE 0401218F

Team MOBIL

Description/Justification

Modifies KC-135E aircraft with more powerful, fuel efficient F108 (CFM-56) engines, allowing takeoff on shorter runways with higher gross weights. The cleaner, quieter F108 engines meet or exceed all noise and pollution standards. Over 25 other systems/sub-systems including: reinforced floor, new strengthened main landing gear, reinforced wing structure, new struts, modified air cycle machine (ACM), revised nose wheel steering, strut bleed air overheat warning system, fuel temperature probe, Flight Control Augmentation System (FCAS), larger hydraulic lines in fin, new Air Data Computer (ADC), dual Auxiliary Power Units (APUs), new electrical power generation system, new fire detection and extinguishing system, Turbine Engine Monitoring System (TEMS), new nacelles/fairings/fan duct, modified throttle control system, and rearranged cockpit controls and displays. The combination of these upgrades provides an aircraft with substantially greater capability: better fuel efficiency, greater fuel offload, greater loiter time, and reduced Operations and Maintenance costs. One kit on the equipment line equals 4 engines.

Active Duty aircraft completed modification in 1994. All funding documented in this P3A is from Congressional Add or OSD Plus-up. Two KC-135E aircraft were funded by FY98 NGREA 0350 account (Congressional Add) and are not included in the aircraft breakdown. FY00 & FY01 Congressional add fully funds the program through FY05 - install costs in FY02 and FY03 are part of FY00 and FY01 Congressional add. After considering the FY01 Congressional Add quantity, there are 16 AFRC and 84 ANG KC-135E remaining candidates for reengining.

The funding for installation is normally spent in the last year of its life. The reason being, there is a two year lead time between kit purchase and installation. Furthermore, actual inputs do not follow the 24 month leadtime due to the mix of other aircraft (RC-135 and FMS KC-135 sales) in the installation line. Also, the RC-135 Special Purpose aircraft take priority in the schedule due to the limited fleet size and high priority mission.

In FY03, the C-135 reengine anticipated receiving \$89M from the Cost of War Transfer Account, (no funds were provided).

In FY04, \$107.275M were anticipated, but \$70M was pulled. This left \$37.275M for parts obsolescence on the KC-135.

Aircraft Breakdown: Active 0, Reserve 14, ANG 18, Total 32

Development Status

N/A

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------|-------|---------|-------|-------|-------|--------|-------|------|-------|------|-------|------|
| | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | 28 | 214.197 | | | | | | | | | | |
| KITS NONRECUR | | 3.500 | | | | | | | | | | |
| EQUIPMENT | 28 | 366.958 | | | | | | | | | | |
| EQUIP NONREC | | | | | | | | | | | | |
| CHANGE ORDERS | | 9.851 | | | | 0.035 | | | | | | |
| DATA | | 10.285 | | | | 8.028 | | | | | | |
| SIM/TRAINER | | | | | | | | | | | | |
| SUPPORT-EQUIP | | 2.400 | | | | | | | | | | |
| OGC | | 0.424 | | 0.100 | | 8.150 | | | | | | |
| TESTING | | | | | | 17.180 | | | | | | |

Projected Financial Plan Continued

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| FY-93 | 15 | 13.600 | | | | | | | | | | |
| FY-94 | 1 | 1.000 | | | | | | | | | | |
| FY-96 | 4 | 6.300 | | | | | | | | | | |
| FY-97 | 2 | 3.201 | | | | | | | | | | |
| FY-00 | 4 | 10.400 | | | | | | | | | | |
| FY-01 | 2 | 5.600 | [2] | | | | | | | | | |
| TOTAL INSTALL | 26 | 40.101 | 2 | | | | | | | | | |
| TOTAL COST (BP-1100) | | | | | | | | | | | | |
| (Totals may not add due to rounding) | 28 | 647.716 | | 0.100 | | 33.393 | | | | | | |
| INSTALLATION QTY | 26 | | | | 2 | | | | | | | |

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|-------|------|-------|------|---------|------|-------|---------|
| | QTY | COST | QTY | COST | QTY | COST | QTY | COST |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | 28 | 214.197 |
| KITS NONRECUR | | | | | | | | 3.500 |
| EQUIPMENT | | | | | | | [28] | 366.958 |
| EQUIP NONREC | | | | | | | | 9.886 |
| CHANGE ORDERS | | | | | | | | 18.313 |
| DATA | | | | | | | | 2.400 |
| SIM/TRAINER | | | | | | | | 8.674 |
| SUPPORT-EQUIP | | | | | | | | 17.180 |
| OGC | | | | | | | | |
| TESTING | | | | | | | | |
| INSTALLATION OF HARDWARE | | | | | | | | |
| FY-93 15 KITS | | | | | | | [15] | 13.600 |
| FY-94 1 KITS | | | | | | | [1] | 1.000 |
| FY-96 4 KITS | | | | | | | [4] | 6.300 |
| FY-97 2 KITS | | | | | | | [2] | 3.201 |
| FY-00 4 KITS | | | | | | | [4] | 10.400 |
| FY-01 2 KITS | | | | | | | [2] | 5.600 |
| TOTAL INSTALL | | | | | | | 28 | 40.101 |
| TOTAL COST (BP-1100) | | | | | | | 28 | 681.209 |
| (Totals may not add due to rounding) | | | | | | | | |
| INSTALLATION QTY | | | | | | | 28 | |

Method of Implementation: CONTRACTOR FACILITY

Initial Lead Time: 24 Months

Follow-On Lead Time: 24 Months

Milestones

| | <u>FY-92</u> | <u>FY-93</u> | <u>FY-94</u> | <u>FY-95</u> | <u>FY-96</u> | <u>FY-97</u> | <u>FY-98</u> | <u>FY-99</u> | <u>FY-00</u> | <u>FY-01</u> | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | 01/93 | 04/94 | | | 04/96 | 04/97 | | | 05/00 | 06/01 | | | 06/04 |
| Delivery Date (Month/CY) | 01/95 | 04/96 | | | 01/98 | 04/99 | | | 05/02 | 06/03 | | | 06/06 |

Installation Schedule

| | <u>FY-92</u> | | | | <u>FY-93</u> | | | | <u>FY-94</u> | | | | <u>FY-95</u> | | | | <u>FY-96</u> | | | | <u>FY-97</u> | | | | <u>FY-98</u> | | | | <u>FY-99</u> | | | | | | | |
|---------|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Quarter | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Input | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Output | | | | | | | | | | | | | | | | | 6 | 4 | 3 | 2 | 1 | | | | | | | | 1 | 2 | | | 1 | | | |
| | | | | | | | | | | | | | | | | | 6 | 3 | 3 | 3 | 1 | | | | | | | | 2 | 1 | | | 1 | | | |
| Quarter | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Input | | | | 1 | | | | | 1 | 1 | 2 | | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| Output | 1 | | | | 1 | | | | | | 2 | 2 | | | | | | | 1 | | | | | | | | | | 1 | | | | | | | |

02/13/2004
 FY 2005 PB
 Modification Title and No: GATM PHASE II MN-9709

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: C-135 Class P

Models of Aircraft Affected: C/KC-135

Center: ASC - Wright Patterson AFB, OH

PE 0401218F

Team MOBIL

Description/Justification

This Global Air Traffic Management (GATM) modification includes avionics upgrades, wiring interfaces, and associated preparation activities for added communications, navigation, and surveillance equipment needed for operation in oceanic airspace where reduced horizontal separations are implemented. The aeronautical satellite communications equipment provides a beyond line of sight communications capability to support controller-pilot data link communications (CPDLC), and automatic reporting of the aircraft's GPS-derived position (automatic dependent surveillance, ADS). It provides direct pilot to controller voice communications. The second HF radio and HF data link (HFDL) modem provide a backup to the SATCOM data link. Dual CMUs prevent a single point of failure in the ATC data link system. Kit NRE contains funds for KC-135 R/T GATM prototypes and outyear NRE for E Model unique variants. Funds for kits and installation for annual aircraft lots being obligated in the same fiscal year, as required by the GATM contract. Mod Prep includes the cost of circuit breakers (CB) and transformer rectifiers (TR) Kits.

Aircraft Breakdown: Active 203, Reserve 72, ANG 215, Total 490

Development Status

N/A

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | 54 | 10.961 | 25 | 4.575 | 30 | 5.787 | 25 | 4.869 | 34 | 14.563 | 38 | 7.540 |
| KITS NONRECUR | | 9.080 | | | | | | | | | | |
| EQUIPMENT | 54 | 31.117 | [25] | 14.873 | [30] | 18.974 | [25] | 16.218 | [34] | 23.258 | [38] | 22.761 |
| EQUIP NONREC | | 27.246 | | | | | | | | | | |
| CHANGE ORDERS | | 14.432 | | 35.210 | | 8.552 | | 1.023 | | 3.535 | | 4.335 |
| DATA | | 3.941 | | 2.000 | | 2.000 | | | | | | |
| SIM/TRAINER | | 12.070 | | 3.071 | [2] | 4.497 | [4] | 2.334 | [5] | 5.503 | | |
| SUPPORT-EQUIP | | 3.270 | | 0.128 | | 0.128 | | 0.128 | | 0.555 | | 0.399 |
| MILSTRIP | | 4.739 | | 2.800 | | 2.625 | | 2.427 | | 2.975 | | 3.325 |
| MOD Prep | | 9.044 | | 2.100 | | 3.121 | | 3.275 | | 3.437 | | 3.606 |
| WARRANTY | | 2.412 | | 1.898 | | 1.324 | | 1.324 | | 1.501 | | 1.678 |
| AWATING BTR | | | | 2.876 | | | | | | | | |
| OGC | | 8.351 | | 2.108 | | 2.286 | | 0.866 | | 2.541 | | 2.549 |

Projected Financial Plan Continued

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| FY-99 | 1 | 3.217 | | | | | | | | | | |
| FY-00 | 3 | 4.306 | | | | | | | | | | |
| FY-01 | 0 | 2.037 | | | | | | | | | | |
| FY-02 | 50 | 28.924 | | | | | | | | | | |
| FY-03 | 25 | | [25] | 14.873 | | | | | | | | |
| FY-04 | 30 | | | | [30] | 16.288 | | | | | | |
| FY-05 | 25 | | | | | | [25] | 13.423 | | | | |
| FY-06 | 34 | | | | | | | | [34] | 18.328 | | |
| FY-07 | 38 | | | | | | | | | | [38] | 20.667 |
| FY-08 | 45 | | | | | | | | | | | |
| FY-09 | 44 | | | | | | | | | | | |
| FY-10 | 43 | | | | | | | | | | | |
| FY-11 | 45 | | | | | | | | | | | |
| FY-12 | 42 | | | | | | | | | | | |
| FY-13 | 36 | | | | | | | | | | | |
| TOTAL INSTALL | 54 | 38.484 | 25 | 14.873 | 30 | 16.288 | 25 | 13.423 | 34 | 18.328 | 38 | 20.667 |
| TOTAL COST (BP-1100) | | | | | | | | | | | | |
| (Totals may not add due to rounding) | 54 | 175.147 | 25 | 86.512 | 30 | 65.582 | 25 | 45.887 | 34 | 76.196 | 38 | 66.860 |
| INSTALLATION QTY | 4 | | 26 | | 46 | | 37 | | 30 | | 34 | |

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | 45 | 33.093 | 44 | 33.944 | 166 | 38.898 | 461 | 154.230 |
| KITS NONRECUR | | | | | | 14.000 | | 23.080 |
| EQUIPMENT | [45] | 51.285 | [44] | 52.226 | [166] | 110.669 | [461] | 341.381 |
| EQUIP NONREC | | | | | | | | 27.246 |
| CHANGE ORDERS | | 4.608 | | 4.202 | | 35.560 | | 111.457 |
| DATA | | | | | | | | 7.941 |
| SIM/TRAINER | | | | | | | [11] | 27.475 |
| SUPPORT-EQUIP | | 0.199 | | 0.977 | | 1.641 | | 7.425 |
| MILSTRIP | | 3.937 | | 4.638 | | 17.000 | | 44.466 |
| MOD Prep | | 3.783 | | 3.971 | | 18.214 | | 50.551 |
| WARRANTY | | 1.986 | | 2.457 | | 10.148 | | 24.728 |
| AWATING BTR | | | | | | | | 2.876 |
| OGC | | 3.207 | | 3.503 | | 22.235 | | 47.646 |
| INSTALLATION OF HARDWARE | | | | | | | | |
| FY-99 | 1 | KITS | | | | | [1] | 3.217 |
| FY-00 | 3 | KITS | | | | | [2] | 4.306 |
| FY-01 | 0 | KITS | | | | | [1] | 2.037 |
| FY-02 | 50 | KITS | | | | | [50] | 28.924 |
| FY-03 | 25 | KITS | | | | | [25] | 14.873 |
| FY-04 | 30 | KITS | | | | | [30] | 16.288 |
| FY-05 | 25 | KITS | | | | | [25] | 13.423 |
| FY-06 | 34 | KITS | | | | | [34] | 18.328 |
| FY-07 | 38 | KITS | | | | | [38] | 20.667 |
| FY-08 | 45 | KITS | [45] | 24.607 | | | [45] | 24.607 |
| FY-09 | 44 | KITS | [44] | 25.426 | | | [44] | 25.426 |
| FY-10 | 43 | KITS | | | [43] | 24.748 | [43] | 24.748 |
| FY-11 | 45 | KITS | | | [45] | 27.043 | [45] | 27.043 |
| FY-12 | 42 | KITS | | | [42] | 26.460 | [42] | 26.460 |
| FY-13 | 36 | KITS | | | [36] | 23.863 | [36] | 23.863 |
| TOTAL INSTALL | 45 | 24.607 | 44 | 25.426 | 166 | 102.114 | 461 | 274.210 |
| TOTAL COST (BP-1100) | 45 | 126.705 | 44 | 131.344 | 166 | 370.479 | 461 | 1144.712 |
| (Totals may not add due to rounding) | | | | | | | | |
| INSTALLATION QTY | 35 | | 34 | | 244 | | 490 | |

Method of Implementation: CONTRACT FIELD TEAM

Initial Lead Time: 32 Months

Follow-On Lead Time: 15 Months

Milestones

| | <u>FY-98</u> | <u>FY-99</u> | <u>FY-00</u> | <u>FY-01</u> | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> | <u>FY-06</u> | <u>FY-07</u> | <u>FY-08</u> | <u>FY-09</u> | <u>FY-10</u> | <u>FY-11</u> | <u>FY-12</u> |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | 10/99 | 12/99 | 12/01 | 06/02 | 03/03 | 03/04 | 03/05 | 03/06 | 03/07 | 03/08 | 03/09 | 03/10 | 03/11 | 03/12 | 03/13 |
| Delivery Date (Month/CY) | 06/02 | 08/02 | 03/03 | 09/03 | 06/04 | 06/05 | 06/06 | 06/07 | 06/08 | 06/09 | 06/10 | 06/11 | 06/12 | 06/13 | |
| | <u>FY-13</u> | <u>FY-14</u> | | | | | | | | | | | | | |
| Contract Date (Month/CY) | 03/13 | 03/14 | | | | | | | | | | | | | |
| Delivery Date (Month/CY) | 06/14 | 06/15 | | | | | | | | | | | | | |

Installation Schedule

| | <u>FY-98</u> | | | | <u>FY-99</u> | | | | <u>FY-00</u> | | | | <u>FY-01</u> | | | | <u>FY-02</u> | | | | <u>FY-03</u> | | | | <u>FY-04</u> | | | | <u>FY-05</u> | | | | | | | |
|---------|--------------|----|----|----|--------------|----|----|----|--------------|----|---|---|--------------|---|---|---|--------------|---|---|----|--------------|----|----|----|--------------|----|----|----|--------------|----|----|----|----|----|----|----|
| Quarter | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Input | | | | | | | | | | | | | 1 | | | | 1 | | | | 2 | | | | 2 | 12 | 12 | 12 | 12 | 11 | 11 | 11 | 10 | 8 | 8 | 8 |
| Output | | | | | | | | | | | | | | | | | 4 | | | | 2 | 12 | 12 | 12 | 12 | 12 | 11 | 11 | 11 | 11 | 10 | 8 | | | | |
| | <u>FY-06</u> | | | | <u>FY-07</u> | | | | <u>FY-08</u> | | | | <u>FY-09</u> | | | | <u>FY-10</u> | | | | <u>FY-11</u> | | | | <u>FY-12</u> | | | | <u>FY-13</u> | | | | | | | |
| Quarter | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Input | 8 | 6 | 8 | 8 | 8 | 6 | 10 | 10 | 10 | 10 | 9 | 8 | 8 | 8 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 10 | 10 | 11 | 11 | 11 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| Output | 8 | 8 | 6 | 8 | 8 | 8 | 6 | 10 | 10 | 10 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 10 | 10 | 10 | 10 | 11 | 11 | 11 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| | <u>FY-14</u> | | | | <u>FY-15</u> | | | | <u>FY-16</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quarter | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | |
| Input | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Output | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |

UNCLASSIFIED
MODIFICATION OF AIRCRAFT

02/13/2004
FY 2005 PB
Modification Title and No: CONTROL COLUMN BREAK (CCB) MN-9738

Exhibit P3A Congressional
Appropriation: Aircraft Procurement, Air Force
CLC: C-135 Class P

Models of Aircraft Affected: C/KC-135

Center: OC-ALC - Tinker AFB Okla City, OK

PE 0401218F

Team MOBIL

Description/Justification

A control column actuated stabilizer brake system is required to prevent stabilizer movement in the opposite direction of control column movement. FY07 kits installed in FY08. NRE and prototype funded with FY02 and FY03 Sustaining Engineering (583) funds.

Aircraft Breakdown: Active 228, Reserve 72, ANG 215, Total 515

Development Status

N/A

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|-------|
| | <u>QTY</u> | <u>COST</u> | |
| RDT&E (3600) | | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | | |
| INSTALL KITS | | | | | [122] | 1.465 | [90] | 1.081 | [176] | 2.114 | [127] | 1.525 | |
| KITS NONRECUR | | | | | 122 | 4.395 | 90 | 3.242 | 176 | 12.680 | 127 | 4.575 | |
| EQUIPMENT | | | | | | | | | | | | | |
| EQUIP NONREC | | | | | | | | | | | | | |
| CHANGE ORDERS | | | | | | | | | | | | 0.650 | |
| DATA | | | | | | | | | | | | 2.500 | |
| SIM/TRAINER | | | | | | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | | | | | | |
| OGC | | | | | | 0.140 | | 0.027 | | 0.066 | | 0.136 | |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | | |
| FY-04 122 KITS | | | | | | | | [122] | 0.650 | | | | |
| FY-05 90 KITS | | | | | | | | | | [90] | 0.480 | | |
| FY-06 176 KITS | | | | | | | | | | | | [176] | |
| FY-07 127 KITS | | | | | | | | | | | | | |
| TOTAL INSTALL | | | | | | | | 122 | 0.650 | 90 | 0.480 | 176 | 1.614 |
| TOTAL COST (BP-1100) | | | | | | | | | | | | | |
| (Totals may not add due to rounding) | | | | | 122 | 6.000 | 90 | 5.000 | 176 | 15.340 | 127 | 11.000 | |
| INSTALLATION QTY | | | | | | | | 122 | | 90 | | 176 | |

(Continued)

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | [515] | 6.185 |
| KITS NONRECUR EQUIPMENT | | | | | | | 515 | 24.892 |
| EQUIP NONREC CHANGE ORDERS | | | | | | | | 0.650 |
| DATA | | | | | | | | 2.500 |
| SIM/TRAINER SUPPORT-EQUIP | | | | | | | | |
| OGC | | | | | | | | 0.369 |
| INSTALLATION OF HARDWARE | | | | | | | | |
| FY-04 122 KITS | | | | | | | [122] | 0.650 |
| FY-05 90 KITS | | | | | | | [90] | 0.480 |
| FY-06 176 KITS | | | | | | | [176] | 1.614 |
| FY-07 127 KITS | | | | | | | [127] | |
| TOTAL INSTALL | | | [127] | | | | 515 | 2.744 |
| TOTAL COST (BP-1100) | | | | | | | 515 | 37.340 |
| (Totals may not add due to rounding) | | | | | | | | |
| INSTALLATION QTY | | | 127 | | | | 515 | |

Method of Implementation: DEPOT/FIELD TEAM

Initial Lead Time: 9 Months

Follow-On Lead Time: 9 Months

Milestones

| | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> | <u>FY-06</u> | <u>FY-07</u> |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | | 03/04 | 03/05 | 03/06 | 03/07 |
| Delivery Date (Month/CY) | | | 12/04 | 12/05 | 12/06 | 12/07 |

Installation Schedule

| | Quarter | <u>FY-02</u> | | | | <u>FY-03</u> | | | | <u>FY-04</u> | | | | <u>FY-05</u> | | | | <u>FY-06</u> | | | | <u>FY-07</u> | | | | <u>FY-08</u> | | | |
|--------|---------|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|----|----|----|--------------|----|----|----|--------------|----|----|----|--------------|----|----|----|
| | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Input | | | | | | | | | | | | | | 30 | 30 | 30 | 32 | 23 | 22 | 23 | 22 | 39 | 45 | 46 | 46 | 43 | 31 | 30 | 23 |
| Output | | | | | | | | | | | | | | 28 | 30 | 31 | 31 | 23 | 23 | 23 | 22 | 38 | 45 | 45 | 46 | 45 | 30 | 30 | 25 |

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

02/13/2004
 FY 2005 PB
 Modification Title and No: RADOME REPLACEMENT MN-9812

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: C-135 Class P

Models of Aircraft Affected:

Center: OC-ALC - Tinker AFB Okla City, OK

PE 0401218F

Team MOBIL

Description/Justification

Replaces current radome at field level (2 hrs) with a new NORDAM compressed foam core radome which is more resistant to impact and water damage. (R-TOC initiative). Initial spares and RSP requirements as computed in the Mar 02 D200A Computation will be funded with budgeted 1600 funds as follows: FY03 (3 spares/24 RSP) and FY04 (5 spares). Reduced application to 492 aircraft. Removed 61each KC-135E model aircraft as of FY04 POM. Install schedule extends into FY05.

Aircraft Breakdown: Active 205, Reserve 72, ANG 215, Total 492

Development Status

N/A

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|-------|------|-------|-------|-------|-------|-------|------|-------|------|-------|------|
| | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | | | 252 | 3.030 | 240 | 3.000 | | | | | | |
| KITS NONRECUR | | | | | | | | | | | | |
| EQUIPMENT | | | | | | | | | | | | |
| EQUIP NONREC | | | | | | | | | | | | |
| CHANGE ORDERS | | | | | | | | | | | | |
| DATA | | | | 0.330 | | 0.460 | | | | | | |
| SIM/TRAINER | | | | | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | | | | | |
| SPARES | | | | | | | | | | | | |
| OGC | | | | 0.040 | | 0.040 | | | | | | |
| TOTAL COST (BP-1100) | | | | 3.400 | | 3.500 | | | | | | |
| (Totals may not add due to rounding) | | | 252 | 3.400 | 240 | 3.500 | | | | | | |

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | 492 | 6.030 |
| KITS NONRECUR | | | | | | | | |
| EQUIPMENT | | | | | | | | |
| EQUIP NONREC | | | | | | | | |
| CHANGE ORDERS | | | | | | | | |
| DATA | | | | | | | | 0.790 |
| SIM/TRAINER | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | |
| SPARES | | | | | | | | |
| OGC | | | | | | | | 0.080 |
| TOTAL COST (BP-1100) | | | | | | | 492 | 6.900 |
| (Totals may not add due to rounding) | | | | | | | | |

Method of Implementation: ORG/INTERMEDIATE

Initial Lead Time: 2 Months

Follow-On Lead Time: 2 Months

Milestones

| | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> |
|--------------------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | 04/03 | 03/04 | |
| Delivery Date (Month/CY) | 06/03 | 05/04 | |

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

02/13/2004
 FY 2005 PB
 Modification Title and No: AIRCRAFT LATRINE MODIFICATION MN-9813

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: C-135 Class P

Models of Aircraft Affected: C/KC-135

Center: OC-ALC - Tinker AFB Okla City, OK

PE 0401218F

Team MOBIL

Description/Justification

Update existing antiquated relief facilities to support current & future operations

Aircraft Breakdown: Active 15, Reserve 0, ANG 0, Total 15

Development Status

N/A

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | | | [15] | 2.076 | | | | | | | | |
| KITS NONRECUR | | | | | | | | | | | | |
| EQUIPMENT | | | | | | | | | | | | |
| EQUIP NONREC | | | | | | | | | | | | |
| CHANGE ORDERS | | | | | | | | | | | | |
| DATA | | | | 0.464 | | | | | | | | |
| SIM/TRAINER | | | | | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | | | | | |
| INSTALLATION OF H | | | | 1.856 | | | | | | | | |
| SPARES | | | | 0.058 | | | | | | | | |
| OGC | | | | 0.415 | | | | | | | | |
| TOTAL COST (BP-1100) | | | | | | | | | | | | |
| (Totals may not add due to rounding) | | | | 4.869 | | | | | | | | |

Fact Sheet: C-135 MN-9813 AIRCRAFT LATRINE MODIFICATION
(Continued)

(Continued)

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | | 2.076 |
| KITS NONRECUR | | | | | | | | |
| EQUIPMENT | | | | | | | | |
| EQUIP NONREC | | | | | | | | |
| CHANGE ORDERS | | | | | | | | |
| DATA | | | | | | | | 0.464 |
| SIM/TRAINER | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | |
| INSTALLATION OF H | | | | | | | | 1.856 |
| SPARES | | | | | | | | 0.058 |
| OGC | | | | | | | | 0.415 |
| TOTAL COST (BP-1100) | | | | | | | | 4.869 |
| (Totals may not add due to rounding) | | | | | | | | |

Method of Implementation:

Initial Lead Time: 0 Months

Follow-On Lead Time: 0 Months

Milestones

| | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> |
|--------------------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | | 01/04 |
| Delivery Date (Month/CY) | | | 03/04 |

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

02/13/2004
 FY 2005 PB
 Modification Title and No: BOWST MN-9814

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: C-135 Class

Models of Aircraft Affected:

Center:

PE

Team

Description/Justification

Boom Operator Weapon System Trainers (BOWST). Develop and field two high-fidelity devices which simulate the environment in a KC-135 boom pod and allow realistic training of aerial refueling procedures across the spectrum of operational situations. The devices are to be placed at the KC-135 Combat Crew Training School, and will replace the current Boom Operator Part Task Trainers, which are over 20 years old, lack the required fidelity, and are becoming increasingly difficult to support.

Aircraft Breakdown: Active 0, Reserve 0, ANG 0, Total 0

Development Status

N/A

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|-------|------|-------|------|-------|-------|-------|------|-------|------|-------|------|
| | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | | | | | | | | | | | | |
| KITS NONRECUR | | | | | | | | | | | | |
| EQUIPMENT | | | | | | | | | | | | |
| EQUIP NONREC | | | | | | | | | | | | |
| CHANGE ORDERS | | | | | | | | | | | | |
| DATA | | | | | | | | | | | | |
| SIM/TRAINER | | | | | [2] | 2.490 | | | | | | |
| SUPPORT-EQUIP | | | | | | | | | | | | |
| OGC | | | | | | 0.010 | | | | | | |
| TOTAL COST (BP-1100) | | | | | | | | | | | | |
| (Totals may not add due to rounding) | | | | | | 2.500 | | | | | | |

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|--|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | |
| RDT&E (3600) | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | |
| INSTALL KITS | | | | | | | | | |
| KITS NONRECUR | | | | | | | | | |
| EQUIPMENT | | | | | | | | | |
| EQUIP NONREC | | | | | | | | | |
| CHANGE ORDERS | | | | | | | | | |
| DATA | | | | | | | | | |
| SIM/TRAINER | | | | | | | [2] | 2.490 | |
| SUPPORT-EQUIP | | | | | | | | | |
| OGC | | | | | | | | 0.010 | |
| TOTAL COST (BP-1100) | <hr/> | | | | | | | | |
| (Totals may not add due to rounding) | | | | | | | | 2.500 | |

Method of Implementation: ORG/INTERMEDIATE

Initial Lead Time: 0 Months

Follow-On Lead Time: 0 Months

Milestones

| | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> | <u>FY-06</u> | <u>FY-07</u> | <u>FY-08</u> | <u>FY-09</u> | <u>FY-10</u> | <u>FY-11</u> | <u>FY-12</u> | <u>FY-13</u> | <u>FY-14</u> | <u>FY-15</u> | <u>FY-16</u> |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | | | | | | | | | | | | | | |
| Delivery Date (Month/CY) | | | | | | | | | | | | | | | |
| Contract Date (Month/CY) | | | | | | | | | | | | | | | |
| Delivery Date (Month/CY) | | | | | | | | | | | | | | | |

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

02/13/2004
 FY 2005 PB
 Modification Title and No: LOW COST MODIFICATIONS MN-99999X

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: C-135 Class P

Models of Aircraft Affected: C/KC-135

Center: OC-ALC - Tinker AFB Okla City, OK

PE 0401218F

Team MOBIL

Description/Justification

These are low cost modifications. Mods are accomplished per the direction and priorities of the lead command, based on available resources.

Aircraft Breakdown: Active 0, Reserve 0, ANG 0, Total 0

Development Status

N/A

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | | | | | | | | | | | | |
| KITS NONRECUR | | | | | | | | | | | | |
| EQUIPMENT | | | | | | | | | | | | |
| EQUIP NONREC | | | | | | | | | | | | |
| CHANGE ORDERS | | | | | | | | | | | | |
| DATA | | | | | | | | | | | | |
| SIM/TRAINER | | | | | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | | | | | |
| AIRCRAFT | | 10.297 | | 0.531 | | 1.000 | | 0.992 | | 0.602 | | 0.500 |
| TOTAL COST (BP-1100) | | 10.297 | | 0.531 | | 1.000 | | 0.992 | | 0.602 | | 0.500 |
| (Totals may not add due to rounding) | | | | | | | | | | | | |

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | | |
| KITS NONRECUR | | | | | | | | |
| EQUIPMENT | | | | | | | | |
| EQUIP NONREC | | | | | | | | |
| CHANGE ORDERS | | | | | | | | |
| DATA | | | | | | | | |
| SIM/TRAINER | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | |
| AIRCRAFT | | 0.001 | | 0.001 | | | | 13.924 |
| TOTAL COST (BP-1100) | | 0.001 | | 0.001 | | | | 13.924 |
| (Totals may not add due to rounding) | | 0.001 | | 0.001 | | | | 13.924 |

Method of Implementation: ORG/INTERMEDIATE

Initial Lead Time: 0 Months

Follow-On Lead Time: 0 Months

Milestones

| | <u>FY-92</u> | <u>FY-93</u> | <u>FY-94</u> | <u>FY-95</u> | <u>FY-96</u> | <u>FY-97</u> | <u>FY-98</u> | <u>FY-99</u> | <u>FY-00</u> | <u>FY-01</u> | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> | <u>FY-06</u> |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | | | | | | | | | | | | | | |
| Delivery Date (Month/CY) | | | | | | | | | | | | | | | |
| | <u>FY-07</u> | <u>FY-08</u> | <u>FY-09</u> | | | | | | | | | | | | |
| Contract Date (Month/CY) | | | | | | | | | | | | | | | |
| Delivery Date (Month/CY) | | | | | | | | | | | | | | | |

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UNCLASSIFIED

| BUDGET ITEM JUSTIFICATION (EXHIBIT P-40) | | | | | | | DATE February 2004 |
|--|---------|---------|----------|-----------------------------|---------|---------|-----------------------|
| APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT-AIR FORCE/AIRCRAFT Modifications | | | | P-1 ITEM NOMENCLATURE: C-29 | | | |
| | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 |
| COST (In Mil) | \$0.000 | \$0.000 | \$15.953 | \$3.746 | \$0.000 | \$0.000 | \$0.000 |

This line item funds the primary FY05 modifications to the C-29A, commercial equivalent to the Bombardier Challenger 600 series aircraft. The C-29A Combat Flight Inspection Aircraft (CFIN) are used to perform in-flight wartime/peacetime/contingency inspections and evaluations of Air Traffic Control systems and procedures (e.g., instrument departures, arrivals, and approaches).

| <u>CLASS</u> | <u>MOD NR</u> | <u>MODIFICATION TITLE</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> | <u>FY-06</u> | <u>FY-07</u> | <u>FY-08</u> | <u>FY-09</u> | <u>COST TO GO</u> | <u>TOTAL PROG</u> |
|-------------------------------------|---------------|---------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------------|-------------------|
| P | C2901 | CFIN A/C ATCALs | | | 16.0 | 3.7 | | | | | 19.7 |
| TOTAL FOR CLASS P | | | 0.0 | 0.0 | 16.0 | 3.7 | 0.0 | 0.0 | 0.0 | 0.0 | 19.7 |
| TOTAL FOR WEAPON SYSTEM C-29 | | | 0.0 | 0.0 | 16.0 | 3.7 | 0.0 | 0.0 | 0.0 | 0.0 | 19.7 |

Totals may not add due to rounding.

| | | | |
|--|-------------------------------|---------------|--|
| | P-1 SHOPP LIST ITEM NO. 50 | PAGE NO. 1 | |
|--|-------------------------------|---------------|--|

UNCLASSIFIED
MODIFICATION OF AIRCRAFT

02/13/2004
FY 2005 PB
Modification Title and No: CFIN A/C ATCAL5 MN-C2901

Exhibit P3A Congressional
Appropriation: Aircraft Procurement, Air Force
CLC: C-29 Class P

Models of Aircraft Affected: Bombardier Challenger 600

Center: OC-ALC - Tinker AFB Okla City, OK

PE 0305114F

Team C4I

Description/Justification

Combat Flight Inspection Aircraft (CFIN) are used to perform in-flight wartime/peacetime/contingency inspections and evaluations of Air Traffic Control systems and procedures (e.g., instrument departures, arrivals, and approaches). By a Memorandum Of Agreement (MOA) between the Air Force and the Federal Aviation Administration (FAA), the FAA accepted responsibility for the flight inspection program from the DOD in March 1991. As a part of this MOA, the AF transferred its organic CFIN aircraft to the FAA who assumed the responsibility to operate and maintain the fleet. That fleet is currently being upgraded to the Bombardier Challenger 600 series aircraft. In addition, the MOA identifies the AF as responsible for all military-unique requirements. When operating in threat environments, AF aircrews only operate the CFIN aircraft and perform the flight inspections to ensure the Navigation Aids (NAVAIDS) and routes are safe to fly in adverse weather. Currently, the CFIN aircraft lack threat detection/self protection systems which puts the aircrews and aircraft at risk where threats exist. During recent deployments, the certification of the instrument procedures were delayed until the airspace could be secured impacting mission effectiveness. On other occasions, additional combat aircraft were required to fly cover increasing the cost of the inspections. Under this program, the AF will fund for and procure four infrared Man-Portable Air Defense (MANPAD) system kits (A and B). The FAA will fund for and perform the kit installations. A total of six aircraft will eventually be modified and the four MANPAD systems will be rotated among the aircraft as required to perform the flight inspections

Aircraft Breakdown: Active 4, Reserve 0, ANG 0, Total 4

Development Status

N/A

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | | | | | | | [3] | 1.500 | | [1] | 0.500 | |
| KITS NONRECUR | | | | | | | | 0.850 | | | | |
| EQUIPMENT | | | | | | | 3 | 9.622 | | 1 | 3.246 | |
| EQUIP NONREC | | | | | | | | 2.150 | | | | |
| CHANGE ORDERS | | | | | | | | | | | | |
| DATA | | | | | | | | 1.321 | | | | |
| SIM/TRAINER | | | | | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | 0.510 | | | | |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| FY-05 3 KITS | | | | | | | | | | [3] | | |
| FY-06 1 KITS | | | | | | | | | | | | [1] |
| TOTAL INSTALL | | | | | | | | | | 3 | | 1 |
| TOTAL COST (BP-1100) | | | | | | | | | | | | |
| (Totals may not add due to rounding) | | | | | | | | 3 | 15.953 | 1 | 3.746 | |
| INSTALLATION QTY | | | | | | | | | | 3 | | 1 |

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | [4] | 2.000 |
| KITS NONRECUR | | | | | | | | 0.850 |
| EQUIPMENT | | | | | | | 4 | 12.868 |
| EQUIP NONREC | | | | | | | | 2.150 |
| CHANGE ORDERS | | | | | | | | |
| DATA | | | | | | | | 1.321 |
| SIM/TRAINER | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | 0.510 |
| INSTALLATION OF HARDWARE | | | | | | | | |
| FY-05 3 KITS | | | | | | | [3] | |
| FY-06 1 KITS | | | | | | | [1] | |
| TOTAL INSTALL | | | | | | | 4 | |
| TOTAL COST (BP-1100) | | | | | | | 4 | 19.699 |
| (Totals may not add due to rounding) | | | | | | | | |
| INSTALLATION QTY | | | | | | | 4 | |

Method of Implementation: DEPOT

Initial Lead Time: 12 Months

Follow-On Lead Time: 12 Months

Milestones

| | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> | <u>FY-06</u> |
|--------------------------|--------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | | | 01/05 | 01/06 |
| Delivery Date (Month/CY) | | | | 01/06 | 01/07 |

Installation Schedule

| Quarter | <u>FY-02</u> | | | | <u>FY-03</u> | | | | <u>FY-04</u> | | | | <u>FY-05</u> | | | | <u>FY-06</u> | | | | <u>FY-07</u> | | | |
|---------|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Input | | | | | | | | | | | | | | | | | | | | | | | | |
| Output | | | | | | | | | | | | | | | | | | | | | | | | |

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| BUDGET ITEM JUSTIFICATION (EXHIBIT P-40) | | | | | | | DATE February 2004 |
|--|----------|----------|----------|----------------------------|-----------|-----------|-----------------------|
| APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT-AIR FORCE/AIRCRAFT Modifications | | | | P-1 ITEM NOMENCLATURE: E-3 | | | |
| | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 |
| COST (In Mil) | \$28.093 | \$53.467 | \$36.025 | \$57.583 | \$146.348 | \$186.340 | \$173.355 |

This line item funds modifications to the E-3 aircraft. 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. The primary modification budgeted in FY05 is the Radar System Improvement program. Other modifications budgeted and programmed are listed below.

| <u>CLASS</u> | <u>MOD NR</u> | <u>MODIFICATION TITLE</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> | <u>FY-06</u> | <u>FY-07</u> | <u>FY-08</u> | <u>FY-09</u> | <u>COST TO GO</u> | <u>TOTAL PROG</u> |
|------------------------------------|---------------|---------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------------|-------------------|
| P | 3403 | HF MESSENGER | 1.2 | | | | | | | | 5.1 |
| | 50001P | PDMA | 3.7 | 2.5 | 0.5 | 4.9 | 1.9 | 1.5 | 1.6 | | 40.4 |
| | 50001T | BLOCK 40/45 UPGRADE | | | | | 74.0 | 138.7 | 118.0 | | 569.8 |
| | 70001C | INTEGRATED BROADCAST S | 1.4 | | | | | | | | 18.8 |
| | 7266 | RADAR SYSTEM IMPROVEME | 21.9 | 17.9 | 2.9 | | | | | | 556.0 |
| | 7267 | NAVWAR/AVIONICS MODERNI | | | | | 3.9 | 3.4 | 6.2 | | 32.7 |
| | 7268 | INTEGRATED DAMA GATM | | 2.4 | 6.5 | 24.0 | 27.3 | 5.5 | | | 150.7 |
| | 8662 | AETC MTD UPGRADES-FIELD | | | | 0.1 | 0.5 | | | | 0.6 |
| | 9707 | RM&A MODS | | 28.8 | 26.1 | 28.6 | 38.6 | 37.2 | 47.6 | | 523.4 |
| | 99999X | LOW COST MODIFICATIONS | | 0.1 | 0.1 | 0.1 | 0.1 | | | | 0.4 |
| | Z88888 | REPROGRAMMINGS | 0.1 | 2.0 | | | | | | | 3.5 |
| TOTAL FOR CLASS P | | | 28.2 | 53.6 | 36.1 | 57.7 | 146.4 | 186.3 | 173.4 | 0.0 | 1,901.4 |
| TOTAL FOR WEAPON SYSTEM E-3 | | | 28.2 | 53.6 | 36.1 | 57.7 | 146.4 | 186.3 | 173.4 | 0.0 | 1,901.4 |

Totals may not add due to rounding.

| | | | |
|--|-------------------------------|---------------|--|
| | P-1 SHOPP LIST ITEM NO. 52 | PAGE NO. 1 | |
|--|-------------------------------|---------------|--|

02/13/2004
 FY 2005 PB
 Modification Title and No: HF MESSENGER MN-3403

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: E-3 Class P

Models of Aircraft Affected: E-3 B/C

Center: ESC - Hanscom AFB, MA

PE 0207417F

Team INFO

Description/Justification

The HF Messenger system provides a low cost, quick to field, airborne, worldwide, and secure e-mail transmission/receive capability to E-3's through the High Frequency (HF) radio using automatic link establishment. It is installed organically at the wing at no investment cost to the appropriation. HF Messenger allows the transfer of command and control, time critical data in almost any file format. Funding for 32 Operational Aircraft.

Aircraft Breakdown: Active 32, Reserve 0, ANG 0, Total 32

Development Status

n/a

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|-------|-------|---------|-------|-------|------|-------|------|-------|------|-------|------|
| | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | 17 | 1.029 | 15 | 0.459 | | | | | | | | |
| KITS NONRECUR | | 0.351 | | | | | | | | | | |
| EQUIPMENT | 17 | 0.884 | [15] | 0.562 | | | | | | | | |
| EQUIP NONREC | | | | | | | | | | | | |
| CHANGE ORDERS | | | | | | | | | | | | |
| DATA | | 0.153 | | | | | | | | | | |
| SIM/TRAINER | | | | | | | | | | | | |
| SUPPORT-EQUIP | | 0.218 | | | | | | | | | | |
| ICS | | | | | | | | | | | | |
| CONTRACTOR SUPPORT | | | | | | | | | | | | |
| OGC | | | | | | | | | | | | |
| PROGRAM MNGMT | | 0.199 | | 0.187 | | | | | | | | |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| FY-02 | | | 17 KITS | | | | | | | | | |
| FY-03 | | | 15 KITS | | | | | | | | | |
| TOTAL INSTALL | | | | 32 | | | | | | | | |
| TOTAL COST (BP-1100) | | | | | | | | | | | | |
| (Totals may not add due to rounding) | 17 | 2.834 | 15 | 1.208 | | | | | | | | |
| INSTALLATION QTY | | | | 32 | | | | | | | | |

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | 32 | 1.488 |
| KITS NONRECUR | | | | | | | | 0.351 |
| EQUIPMENT | | | | | | | [32] | 1.446 |
| EQUIP NONREC | | | | | | | | |
| CHANGE ORDERS | | | | | | | | |
| DATA | | | | | | | | 0.153 |
| SIM/TRAINER | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | 0.218 |
| ICS | | | | | | | | |
| CONTRACTOR SUPPORT | | | | | | | | |
| OGC | | | | | | | | |
| PROGRAM MNGMT | | | | | | | | 0.386 |
| INSTALLATION OF HARDWARE | | | | | | | | |
| FY-02 17 KITS | | | | | | | [17] | |
| FY-03 15 KITS | | | | | | | [15] | |
| TOTAL INSTALL | | | | | | | 32 | |
| TOTAL COST (BP-1100) | | | | | | | 32 | 4.042 |
| (Totals may not add due to rounding) | | | | | | | | |
| INSTALLATION QTY | | | | | | | 32 | |

Method of Implementation: CONTRACT FIELD TEAM

Initial Lead Time: 4 Months

Follow-On Lead Time: 0 Months

Milestones

| | <u>FY-01</u> | <u>FY-02</u> |
|--------------------------|--------------|--------------|
| Contract Date (Month/CY) | | 09/02 |
| Delivery Date (Month/CY) | | 01/03 |

Installation Schedule

| Quarter | <u>FY-01</u> | | | | <u>FY-02</u> | | | | <u>FY-03</u> | | | | |
|---------|--------------|---|---|---|--------------|---|---|---|--------------|----|----|---|--|
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | |
| Input | | | | | | | | | | 17 | 15 | | |
| Output | | | | | | | | | | 17 | 15 | | |

02/13/2004
 FY 2005 PB
 Modification Title and No: PDMA MN-50001P

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: E-3 Class P

Models of Aircraft Affected: E-3

Center: ESC - Hanscom AFB, MA

PE 0207417F

Team INFO

Description/Justification

Programmed Depot Maintenance Activity (PDMA) modifications are designed to keep the E-3 weapon system operational. The weapon system includes aircraft systems, trainers, support equipment, mission equipment and infrastructure. The modifications on the aircraft include a combination of the following: installation of jack points, fuel cell wiring harnesses, engine bearing replacements/accessories, engine diagonal braces, fuel tank sealant, wing skins, stringers, wing spars (structural integrity), lower lobe aircraft corrosion removal, Anti-Ice Valves, Pressure Regulator Shut Off Valves, seat-reels, digital tech orders, and Environmental and Electrical Systems. These installations are necessary to sustain the reliability of the weapon system. A total of 35 kits were purchased of which 33 kits will be installed (one kit was lost in a plane crash and one kit was installed on a trainer). These kits are bundled in different configurations and will be installed with the given available funding constraints in each given year. The modifications and support to the trainers, support equipment and infrastructure include a combination of the following: Test Program Set Development, Packaging, Handling, Shipping and Transportation of government furnished parts and equipment, Infrastructure Analysis and Training Product Support. These modifications are baselined with MN-50001C. These modifications are necessary to sustain the weapon system until 2035.

Aircraft Breakdown: Active 33, Reserve 0, ANG 0, Total 33

Development Status

N/A

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | QTY | COST |
| RDT&E (3600) | | 6.778 | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | 1 | 0.159 | | | | | | | | | | |
| KITS NONRECUR | 1 | 2.946 | | | | | | | | | | |
| EQUIPMENT | 63 | 1.496 | | | | | | | | | | |
| EQUIP NONREC | | | | | | | | | | | | |
| CHANGE ORDERS | | | | | | | | | | | | |
| DATA | | 2.497 | | | | | | | | | | |
| SIM/TRAINER | | | | 0.197 | | 0.105 | | 0.105 | | 0.110 | | 0.115 |
| SUPPORT-EQUIP | | | | 0.400 | | 0.318 | | | | 3.251 | | 0.445 |
| ICS | | | | 1.383 | | 0.621 | | | | | | |
| CONTRACTOR SUPPORT | | 3.610 | | 0.900 | | 0.923 | | 0.264 | | 0.756 | | 0.965 |
| PROGRAM MNGMT | | 0.466 | | 0.561 | | 0.246 | | 0.088 | | 0.467 | | 0.074 |
| GFP | | | | | | | | | | 0.150 | | 0.150 |
| OGC | | 0.784 | | 0.138 | | 0.141 | | 0.072 | | 0.146 | | 0.149 |

Projected Financial Plan Continued

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| FY-95 | | | 1 | KITS | | | | | | | | |
| FY-96 | | | 1 | KITS | | 0.059 | | | | | | |
| FY-98 | | | 0 | KITS | | 1.162 | | | | | | |
| FY-99 | | | 0 | KITS | | 2.117 | | | | | | |
| FY-00 | | | 0 | KITS | | 1.257 | | | | | | |
| FY-01 | | | 0 | KITS | | 0.264 | | | | | | |
| FY-03 | | | 0 | KITS | | | | | | | | |
| TOTAL INSTALL | | 4.859 | | | | 0.064 | | 0.065 | | | | |
| TOTAL COST (BP-1100) | | | | | | | | | | | | |
| (Totals may not add due to rounding) | 2 | 16.817 | | 3.643 | | 2.419 | | 0.529 | | 4.880 | | 1.898 |
| INSTALLATION QTY | 15 | | 3 | | | 3 | | | | | | |

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | 6.778 |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | 1 | 0.159 |
| KITS NONRECUR | | | | | | | 1 | 2.946 |
| EQUIPMENT | | | | | | | [63] | 1.496 |
| EQUIP NONREC | | | | | | | | |
| CHANGE ORDERS | | | | | | | | |
| DATA | | | | | | | | 2.497 |
| SIM/TRAINER | | 0.120 | | 0.120 | | | | 0.872 |
| SUPPORT-EQUIP | | 0.180 | | 0.172 | | | | 4.766 |
| ICS | | | | | | | | 2.004 |
| CONTRACTOR SUPPORT | | 1.020 | | 1.062 | | | | 9.500 |
| PROGRAM MNGMT | | 0.049 | | 0.057 | | | | 2.008 |
| GFP | | | | | | | | 0.300 |
| OGC | | 0.152 | | 0.155 | | | | 1.737 |
| INSTALLATION OF HARDWARE | | | | | | | | |
| FY-95 | 1 | | KITS | | | | | |
| FY-96 | 1 | | KITS | | | | | 0.059 |
| FY-98 | 0 | | KITS | | | | | 1.162 |
| FY-99 | 0 | | KITS | | | | | 2.117 |
| FY-00 | 0 | | KITS | | | | | 1.257 |
| FY-01 | 0 | | KITS | | | | | 0.264 |
| FY-03 | 0 | | KITS | | | | | 0.129 |
| TOTAL INSTALL | | | | | | | | 4.988 |
| TOTAL COST (BP-1100) | | | | | | | | |
| (Totals may not add due to rounding) | | 1.521 | | 1.566 | | | 2 | 33.273 |
| INSTALLATION QTY | | | | | | | 21 | |

Method of Implementation: DEPOT

Initial Lead Time: 9 Months

Follow-On Lead Time: 9 Months

Milestones

| | <u>FY-94</u> | <u>FY-95</u> | <u>FY-96</u> | <u>FY-97</u> |
|--------------------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | | 12/95 | 12/96 |
| Delivery Date (Month/CY) | | | 09/96 | 09/97 |

Installation Schedule

| | | <u>FY-94</u> | | | | <u>FY-95</u> | | | | <u>FY-96</u> | | | | <u>FY-97</u> | | | | <u>FY-98</u> | | | | <u>FY-99</u> | | | | <u>FY-00</u> | | | | <u>FY-01</u> | | | |
|---------|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|--|--------------|--|--|--|
| Quarter | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | |
| Input | | | | | | | | | | 1 | | | 1 | 1 | 1 | 1 | 2 | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | |
| Output | | | | | | | | | | 1 | | | | 1 | 1 | 1 | 1 | 2 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | |
| Quarter | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | |
| Input | | | | | 1 | 1 | 1 | | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | |
| Output | | | | | 1 | 1 | 1 | | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | |

UNCLASSIFIED
MODIFICATION OF AIRCRAFT

02/13/2004
FY 2005 PB

Modification Title and No: RADAR SYSTEM IMPROVEMENT PROGRAM MN-7266

Exhibit P3A Congressional
Appropriation: Aircraft Procurement, Air Force
CLC: E-3 Class P

Models of Aircraft Affected: E-3B/C

Center: ESC - Hanscom AFB, MA

PE 0207417F

Team INFO

Description/Justification

Funds concurrent acquisition and retrofit of the Radar System Improvement Program (RSIP) to enhance radar detection, Electronic Protection, and improve/expand radar maintenance capabilities. Total of 33 Aircraft required--32 Operational and 1 Test. Due to the FY03 Depot Rate Increase, current program funding will only complete 31 operational aircraft.

Aircraft Breakdown: Active 33, Reserve 0, ANG 0, Total 33

Development Status

Complete. IOT&E Date: October 1996

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | 32 | 6.302 | | | | | | | | | | |
| KITS NONRECUR | | 6.805 | | | | | | | | | | |
| EQUIPMENT | 23 | 317.899 | | | | | | | | | | |
| EQUIP NONREC | | 20.236 | | | | | | | | | | |
| CHANGE ORDERS | | | | 0.000 | | 0.229 | | | | | | |
| DATA | | 2.755 | | 0.000 | | 0.000 | | 0.121 | | | | |
| SIM/TRAINER | 2 | 23.200 | | | | | | | | | | |
| SUPPORT-EQUIP | | 21.161 | | 0.540 | | | | | | | | |
| COMMODITY MOD | | 2.261 | | 0.250 | | 0.250 | | 0.100 | | | | |
| DMS (Diminished Manufacturing Sources) | | 5.987 | | 0.200 | | | | | | | | |
| ENG SUPPORT | | 10.654 | | 5.031 | | 5.418 | | 0.690 | | | | |
| DEPOT | | 5.178 | | 0.050 | | | | | | | | |
| ICS | | 15.871 | | 0.400 | | | | | | | | |
| OGC | | 5.287 | | 0.198 | | 0.200 | | 0.050 | | | | |
| CONTRACTOR SUPPORT | | 10.955 | | 1.553 | | 2.017 | | 0.274 | | | | |
| PROGRAM MNGMT | | 15.443 | | 3.385 | | 1.822 | | 0.470 | | | | |
| GFE | | 5.154 | | 0.038 | | 0.050 | | | | | | |

Projected Financial Plan Continued

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| FY-96 | 2 | 6.904 | | | | | | | | | | |
| FY-97 | 2 | 0.898 | | | | | | | | | | |
| FY-98 | 4 | 2.398 | | | | | | | | | | |
| FY-99 | 5 | 3.340 | | | | | | | | | | |
| FY-00 | 2 | 0.791 | [1] | 1.428 | | | | | | | | |
| FY-01 | 8 | 2.856 | [6] | 8.783 | | | | | | | | |
| FY-02 | 9 | | | | [7] | 7.925 | [1] | 1.156 | | | | |
| TOTAL INSTALL | 16 | 17.187 | 7 | 10.211 | 7 | 7.925 | 1 | 1.156 | | | | |
| TOTAL COST (BP-1100) | | | | | | | | | | | | |
| (Totals may not add due to rounding) | 32 | 492.335 | | 21.856 | | 17.911 | | 2.861 | | | | |
| INSTALLATION QTY | 14 | | 7 | | 9 | | 1 | | | | | |

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | 32 | 6.302 |
| KITS NONRECUR | | | | | | | | 6.805 |
| EQUIPMENT | | | | | | | [23] | 317.899 |
| EQUIP NONREC | | | | | | | | 20.236 |
| CHANGE ORDERS | | | | | | | | 0.229 |
| DATA | | | | | | | | 2.876 |
| SIM/TRAINER | | | | | | | [2] | 23.200 |
| SUPPORT-EQUIP | | | | | | | | 21.701 |
| COMMODITY MOD | | | | | | | | 2.861 |
| DMS (Diminished Manufacturing Sources) | | | | | | | | 6.187 |
| ENG SUPPORT | | | | | | | | 21.793 |
| DEPOT | | | | | | | | 5.228 |
| ICS | | | | | | | | 16.271 |
| OGC | | | | | | | | 5.735 |
| CONTRACTOR SUPPORT | | | | | | | | 14.799 |
| PROGRAM MNGMT | | | | | | | | 21.120 |
| GFE | | | | | | | | 5.242 |
| INSTALLATION OF HARDWARE | | | | | | | | |
| FY-96 2 KITS | | | | | | | [2] | 6.904 |
| FY-97 2 KITS | | | | | | | [2] | 0.898 |
| FY-98 4 KITS | | | | | | | [4] | 2.398 |
| FY-99 5 KITS | | | | | | | [5] | 3.340 |
| FY-00 2 KITS | | | | | | | [2] | 2.219 |
| FY-01 8 KITS | | | | | | | [8] | 11.639 |
| FY-02 9 KITS | | | | | | | [8] | 9.081 |
| TOTAL INSTALL | | | | | | | 31 | 36.479 |
| TOTAL COST (BP-1100) | | | | | | | 32 | 534.963 |
| (Totals may not add due to rounding) | | | | | | | | |
| INSTALLATION QTY | | | | | | | 31 | |

Method of Implementation: DEPOT

Initial Lead Time: 24 Months

Follow-On Lead Time: 24 Months

Milestones

| | <u>FY-95</u> | <u>FY-96</u> | <u>FY-97</u> | <u>FY-98</u> | <u>FY-99</u> | <u>FY-00</u> | <u>FY-01</u> | <u>FY-02</u> | <u>FY-03</u> |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | 03/96 | 12/96 | 12/97 | 12/98 | 12/99 | 12/00 | 12/01 | 12/02 |
| Delivery Date (Month/CY) | | 03/98 | 12/98 | 12/99 | 12/00 | 12/01 | 12/02 | 12/03 | 12/04 |

Installation Schedule

| | | <u>FY-95</u> | | | | <u>FY-96</u> | | | | <u>FY-97</u> | | | | <u>FY-98</u> | | | | <u>FY-99</u> | | | | <u>FY-00</u> | | | | <u>FY-01</u> | | | | <u>FY-02</u> | | | |
|---------|---|--------------|---|---|---|--------------|--------------|---|---|--------------|---|--------------|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|--|
| Quarter | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | |
| Input | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Output | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quarter | 1 | <u>FY-03</u> | | | 4 | 1 | <u>FY-04</u> | | | 4 | 1 | <u>FY-05</u> | | | 4 | | | | | | | | | | | | | | | | | | |
| Input | 2 | 2 | 1 | 2 | 2 | 2 | 3 | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Output | | 2 | 2 | 1 | 2 | 1 | 2 | 2 | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | |

02/13/2004
 FY 2005 PB
 Modification Title and No: INTEGRATED DAMA GATM MN-7268

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: E-3 Class P

Models of Aircraft Affected: E-3 B/C

Center: ESC - Hanscom AFB, MA

PE 0207417F

Team INFO

Description/Justification

The Integrated DAMA (Demand Assigned Multiple Access)/GATM (Global Air Traffic Management) Program seeks to make communications and navigation improvements required to meet current mandated DAMA SATCOM (Satellite Communication) and Air Traffic Control (ATC) requirements. DAMA SATCOM is a CJCS-mandated Ultra High Frequency (UHF) satellite communications upgrade consisting of two new UHF DAMA terminals and new RF components, to mitigate co-site interference, replacing the two non-DAMA UHF SATCOM radios on each aircraft. The DAMA enhancements will expand user availability of severely limited DOD UHF SATCOM channels and improve the interoperability and efficiency of DOD UHF SATCOM systems. The ATC Compliance program is an FAA/International Civil Aviation Organization (ICAO)/EUROCONTROL mandated upgrade that consists of new VHF radios with 8.33kHz channel spacing, Aircraft Collision Avoidance System (ACAS)/Mode-S IFF and Reduced Vertical Separation Minimum (RVSM) capability. The ATC enhancements will permit more aircraft to fly closer together in congested airspace worldwide, particularly in European airspace. Non-compliance currently results in airspace restrictions and denials and impacts AWACS ability to support worldwide response to situations requiring immediate on-scene command and control (C2) battle management. Approved funding will procure 14 of the required 32 production kits. Total of 33 Aircraft required - 32 Operational and 1 Test (TS-3 is modified under the SD&D effort). This modification will be installed on 2 Operational Flight Crew Trainers (OFTs) and 1 Field Training Device (FTD). This mod consolidates Mod # T8135 - SATCOM DAMA and Mod # 3404 - ATC Compliance.

MILSATCOM SPO will provide AWACS funding for (9) Airborne Integrated Terminal Kits:

FY04 - \$3.718M (3)
 FY05 - \$12.837M (5)
 FY06 - \$.716M (1)

Lead Time for ATC Equipment is less than 12 months, for DAMA SATCOM Equipment greater than 12 months.

Aircraft Breakdown: Active 14, Reserve 0, ANG 0, Total 14

Development Status

Development contract awarded 4/02.

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------|-------|-------|-------|--------|-------|--------|-------|-------|-------|-------|-------|-------|
| | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST |
| RDT&E (3600) | | 7.698 | | 22.996 | | 26.817 | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | | | | | | | 3 | 0.845 | 5 | 2.309 | 4 | 1.727 |
| KITS NONRECUR | | | | | | | | 0.730 | | 1.947 | | 1.461 |
| EQUIPMENT | | | | | | | [3] | 0.229 | [5] | 1.695 | [4] | 1.181 |
| EQUIP NONREC | | | | | | | | | | | | |
| CHANGE ORDERS | | | | | | 0.246 | | 0.480 | | 2.189 | | 3.316 |
| DATA | | | | | | 0.684 | | 0.039 | | 0.376 | | 0.609 |
| SIM/TRAINER | | | | | | | | | [1] | 3.378 | [2] | 6.757 |
| SUPPORT-EQUIP | | | | | | 0.750 | | 0.132 | | 1.731 | | 2.925 |
| PROGRAM MNGMT | | | | | | 0.239 | | 1.069 | | 2.297 | | 1.069 |
| CONTRACTOR SUPPORT | | | | | | | | 0.644 | | 1.691 | | 1.742 |
| GFE | | | | | | | | 0.538 | | 1.832 | | 1.341 |
| ICS | | | | | | | | | | 0.408 | | 0.416 |
| OGC | | | | | | 0.431 | | | | | | |

Projected Financial Plan Continued

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| FY-05 | | | | | | | [3] | 1.801 | | | | |
| FY-06 | | | | | | | | | [5] | 4.145 | | |
| FY-07 | | | | | | | | | | | [4] | 4.802 |
| FY-08 | | | | | | | | | | | | |
| TOTAL INSTALL | | | | | | | 3 | 1.801 | 5 | 4.145 | 4 | 4.802 |
| TOTAL COST (BP-1100) | | | | | | | | | | | | |
| (Totals may not add due to rounding) | | | | | | 2.350 | 3 | 6.507 | 5 | 23.998 | 4 | 27.346 |
| INSTALLATION QTY | | | | | | | 3 | | 5 | | 4 | |

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | 57.511 |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | 2 | 0.563 | | | | | 14 | 5.444 |
| KITS NONRECUR | | 0.487 | | | | | | 4.625 |
| EQUIPMENT | [2] | 0.153 | | | | | [14] | 3.258 |
| EQUIP NONREC | | | | | | | | 6.231 |
| CHANGE ORDERS | | | | | | | | 2.104 |
| DATA | | 0.396 | | | | | | 2.104 |
| SIM/TRAINER | | | | | | | [3] | 10.135 |
| SUPPORT-EQUIP | | | | | | | | 5.538 |
| PROGRAM MNGMT | | 0.177 | | | | | | 4.851 |
| CONTRACTOR SUPPORT | | 0.532 | | | | | | 4.609 |
| GFE | | 0.360 | | | | | | 4.071 |
| ICS | | 0.423 | | | | | | 1.247 |
| OGC | | | | | | | | 0.431 |
| INSTALLATION OF HARDWARE | | | | | | | | |
| FY-05 3 KITS | | | | | | | [3] | 1.801 |
| FY-06 5 KITS | | | | | | | [5] | 4.145 |
| FY-07 4 KITS | | | | | | | [4] | 4.802 |
| FY-08 2 KITS | [2] | 2.401 | | | | | [2] | 2.401 |
| TOTAL INSTALL | 2 | 2.401 | | | | | 14 | 13.149 |
| TOTAL COST (BP-1100) | | | | | | | | |
| (Totals may not add due to rounding) | 2 | 5.492 | | | | | 14 | 65.693 |
| INSTALLATION QTY | 2 | | | | | | 14 | |

Method of Implementation: CONTRACT FIELD TEAM

Initial Lead Time: 8 Months

Follow-On Lead Time: 8 Months

Milestones

| | <u>FY-01</u> | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> |
|--------------------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | | | 06/04 |
| Delivery Date (Month/CY) | | | | 02/05 |

Installation Schedule

| Quarter | <u>FY-01</u> | | | | <u>FY-02</u> | | | | <u>FY-03</u> | | | | <u>FY-04</u> | | | | <u>FY-05</u> | | | | <u>FY-06</u> | | | | <u>FY-07</u> | | | | <u>FY-08</u> | | | |
|---------|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Input | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Output | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

02/13/2004
 FY 2005 PB
 Modification Title and No: RM&A MODS MN-9707

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: E-3 Class P

Models of Aircraft Affected:

Center: ESC - Hanscom AFB, MA

PE 0207417F

Team INFO

Description/Justification

RM&A modifications ensure continuing reliability, maintainability, and availability of AWACS in support of Task Force CONOPs and help lay the foundation for achieving the COMACC mandated MC rate of 85%. These modifications will purchase 33 Aircraft kits, labs, and the installation of the kits (or some multiple of the 33 Aircraft kits based on the required quantities per Aircraft and total funds available). The RM&A modifications include a combination of: Wideband Klystron Power Amplifier, 140 KVA Buss Input Power, Fuel Override Pump Replacement, Fuel Boost Pump Replacement, Dual Refresh Channel LVPS, Fuel Quantity Indication System Improvement, Solid State Trigger Pulse Amplifier, SSHPA Technical Orders, APY-1/APY-2 Receiver Protector, High Voltage Filter Upgrade Kits, Line Printer Installs, Defuel Valve Access Panel, Aircraft DC Power Reliability Improvements, IDG CSD Generator, Fuselage BS 259.5 Bulkhead Mod, ARC-169 UHF Low Power Filter, Low Amp Mixer Pre-Amp, ESS removal, Attitude Heading Reference System, Dehumidification Program, SF-6 Check Valve, Integration Engineering to proactively solve DMS problems, and Pinpoint Tester to replace the legacy system. There's a total of 33 aircraft required - 32 operational and 1 test.

Aircraft Breakdown: Active 33, Reserve 0, ANG 0, Total 33

Development Status

N/A

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--|-------|------|-------|------|-------|--------|-------|--------|-------|--------|-------|-----------|
| | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | | | | | [256] | 0.379 | [104] | 0.490 | [59] | 0.529 | [44] | 0.825 |
| KITS NONRECUR | | | | | | | | | | | | |
| EQUIPMENT | | | | | 256 | 10.874 | 104 | 15.836 | 59 | 17.077 | 44 | 26.603 |
| EQUIP NONREC | | | | | | 2.847 | | | | 1.412 | | 3.982 |
| CHANGE ORDERS | | | | | | | | | | | | |
| DATA | | | | | | 2.126 | | 1.663 | | 1.126 | | 0.709 |
| SIM/TRAINER | | | | | [49] | 2.043 | [7] | 0.893 | [5] | 2.063 | | |
| SUPPORT-EQUIP | | | | | | 4.606 | | 0.101 | | | | 0.124 |
| OGC | | | | | | 0.054 | | 0.044 | | 0.052 | | 0.074 |
| CONTRACTOR SUPPORT | | | | | | 1.498 | | 1.202 | | 1.423 | | 2.046 |
| PROGRAM MNGMT | | | | | | 2.928 | | 4.292 | | 2.736 | | 1.511 |
| DMS (Diminished Manufacturing Sources) | | | | | | 1.415 | | 1.509 | | 1.509 | | 1.603 |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| FY-04 | 256 | KITS | | | | | | [8] | 0.096 | [15] | 0.650 | |
| FY-05 | 104 | KITS | | | | | | | | | | [9] 0.587 |
| FY-06 | 59 | KITS | | | | | | | | | | [9] 0.586 |
| FY-07 | 44 | KITS | | | | | | | | | | |
| FY-08 | 36 | KITS | | | | | | | | | | |
| FY-09 | 79 | KITS | | | | | | | | | | |
| TOTAL INSTALL | | | | | | | | 8 | 0.096 | 15 | 0.650 | 18 1.173 |
| TOTAL COST (BP-1100) | | | | | 256 | 28.770 | 104 | 26.126 | 59 | 28.577 | 44 | 38.650 |

Projected Financial Plan Continued

(Totals may not add due to rounding)

INSTALLATION QTY

| PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| <u>QTY</u> | <u>COST</u> |
| | | | | | | 8 | | 15 | | 18 | |

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--|-------|--------|-------|--------|---------|------|-------|---------|
| | QTY | COST | QTY | COST | QTY | COST | QTY | COST |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | [36] | 0.807 | [79] | 1.086 | | | [578] | 4.116 |
| KITS NONRECUR | | | | | | | | |
| EQUIPMENT | 36 | 26.087 | 79 | 35.163 | | | 578 | 131.640 |
| EQUIP NONREC | | | | 1.623 | | | | 9.864 |
| CHANGE ORDERS | | | | | | | | |
| DATA | | 1.476 | | 1.593 | | | | 8.693 |
| SIM/TRAINER | | | | | | | [61] | 4.999 |
| SUPPORT-EQUIP | | 2.950 | | | | | | 7.781 |
| OGC | | 0.072 | | 0.092 | | | | 0.388 |
| CONTRACTOR SUPPORT | | 1.982 | | 2.519 | | | | 10.670 |
| PROGRAM MNGMT | | 1.196 | | 1.724 | | | | 14.387 |
| DMS (Diminished Manufacturing Sources) | | 1.603 | | 1.603 | | | | 9.242 |
| INSTALLATION OF HARDWARE | | | | | | | | |
| FY-04 256 KITS | | | | | | | [23] | 0.746 |
| FY-05 104 KITS | | | | | | | [9] | 0.587 |
| FY-06 59 KITS | | | | | | | [9] | 0.586 |
| FY-07 44 KITS | | | | | | | [7] | 1.055 |
| FY-08 36 KITS | [7] | 1.055 | | | | | [7] | 1.055 |
| FY-09 79 KITS | | | [8] | 2.170 | | | [8] | 2.170 |
| TOTAL INSTALL | 7 | 1.055 | 8 | 2.170 | | | 56 | 5.144 |
| TOTAL COST (BP-1100) | | | | | | | | |
| (Totals may not add due to rounding) | 36 | 37.228 | 79 | 47.573 | | | 578 | 206.924 |
| INSTALLATION QTY | 7 | | 8 | | | | 56 | |

Method of Implementation: DEPOT

Initial Lead Time: 0 Months

Follow-On Lead Time: 0 Months

Milestones

| | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> | <u>FY-06</u> | <u>FY-07</u> | <u>FY-08</u> | <u>FY-09</u> | <u>FY-10</u> | <u>FY-11</u> | <u>FY-12</u> | <u>FY-13</u> | <u>FY-14</u> | <u>FY-15</u> | <u>FY-16</u> |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | | | | | | | | | | | | | | |
| Delivery Date (Month/CY) | | | | | | | | | | | | | | | |
| Contract Date (Month/CY) | | | | | | | | | | | | | | | |
| Delivery Date (Month/CY) | | | | | | | | | | | | | | | |

Installation Schedule

| Quarter | <u>FY-02</u> | | | | <u>FY-03</u> | | | | <u>FY-04</u> | | | | <u>FY-05</u> | | | | <u>FY-06</u> | | | | <u>FY-07</u> | | | | <u>FY-08</u> | | | | <u>FY-09</u> | | | | | | | |
|---------|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|---|---|---|---|
| Input | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Output | | | | | | | | | | | | | 2 | 2 | 2 | 2 | 4 | 4 | 4 | 3 | 5 | 5 | 5 | 3 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

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UNCLASSIFIED

| BUDGET ITEM JUSTIFICATION (EXHIBIT P-40) | | | | | | | DATE February 2004 |
|--|----------|----------|-----------|----------------------------|----------|----------|-----------------------|
| APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT-AIR FORCE/AIRCRAFT Modifications | | | | P-1 ITEM NOMENCLATURE: E-4 | | | |
| | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 |
| COST (In Mil) | \$39.028 | \$57.647 | \$101.818 | \$95.284 | \$69.067 | \$23.111 | \$0.616 |

This line item funds modifications to the E-4B aircraft. The four engine E-4B is a highly modified Boeing 747-200 airframe used in support of the mission of the National Airborne Operations Center (NAOC). NAOC supports the national decision makers and the Joint Chiefs of Staff as the worldwide survivable and enduring node of the National Military Command System. The primary modification budgeted in FY05 is the Senior Leader. Other modifications are budgeted to enhance operational capability while improving flight safety, reliability, and maintainability.

| <u>CLASS</u> | <u>MOD NR</u> | <u>MODIFICATION TITLE</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> | <u>FY-06</u> | <u>FY-07</u> | <u>FY-08</u> | <u>FY-09</u> | <u>COST TO GO</u> | <u>TOTAL PROG</u> |
|------------------------------------|---------------|---------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------------|-------------------|
| P | 3410 | NPES (NC2AIS) E-4B | 0.5 | 0.5 | 0.5 | 0.6 | 0.6 | 0.6 | 0.6 | | 6.4 |
| | 3505 | MODIFIED MINIATURE RECEI | 4.7 | | | | | | | | 36.6 |
| | 4381 | E-4B NATIONAL AIRBORNE O | | 28.8 | 60.3 | 58.8 | 23.5 | | | | 237.7 |
| | 4381B | E-4B NATIONAL AIRBORNE O | | | | | 32.1 | 22.5 | | | 104.0 |
| | 4382 | UHF SATCOM RADIO REPLAC | 1.5 | | | | | | | | 4.0 |
| | 4383 | MESSAGE PROCESSING SYS | 6.1 | | 1.1 | | | | | | 13.2 |
| | 4387 | SENIOR LEADERS COMMUNI | 19.1 | 16.9 | 27.4 | 25.5 | 3.9 | | | | 155.1 |
| | 4388 | VHF/FM | 1.3 | 0.8 | | | | | | | 2.8 |
| | 9709 | GATM PHASE II | | 3.0 | 7.7 | 7.2 | 5.0 | | | | 29.0 |
| | 99999S | SERVICE BULLETINS | 8.5 | 4.7 | 2.8 | 1.1 | 2.0 | | | | 46.9 |
| | 99999X | LOW COST MODIFICATIONS | 1.7 | 2.0 | 2.0 | 2.0 | 2.0 | | | | 19.2 |
| | Z88888 | REPROGRAMMINGS | -4.4 | 0.9 | | | | | | | -1.4 |
| TOTAL FOR CLASS P | | | 39.0 | 57.6 | 101.8 | 95.3 | 69.1 | 23.1 | 0.6 | 0.0 | 653.4 |
| TOTAL FOR WEAPON SYSTEM E-4 | | | 39.0 | 57.6 | 101.8 | 95.3 | 69.1 | 23.1 | 0.6 | 0.0 | 653.4 |

Totals may not add due to rounding.

| | | | |
|--|-------------------------------|---------------|--|
| | P-1 SHOPP LIST ITEM NO. 53 | PAGE NO. 1 | |
|--|-------------------------------|---------------|--|

UNCLASSIFIED
MODIFICATION OF AIRCRAFT

02/13/2004
FY 2005 PB
Modification Title and No: MODIFIED MINIATURE RECEIVER TERMINAL MN-3505

Exhibit P3A Congressional
Appropriation: Aircraft Procurement, Air Force
CLC: E-4 Class P

Models of Aircraft Affected: E-4B, E-6B

Center: ESC - Hanscom AFB, MA

PE 0303131F

Team SPACE

Description/Justification

The Modified Miniature Receive Terminal (MMRT) program modifies existing Miniature Receive Terminals (MRT) for installation and integration into the E-4B National Airborne Operations Center (NAOC) and the E-6 Take Charge and Move Out (TACAMO) fleets. MRT is a VLF/LF receiver currently operational in the B-1B and B-52H. Group B kits will be drawn from available spares and non-SIOP tasked bombers. MMRT is a Joint Program with the Air Force as lead agency and receives funding via the Minimum Essential Emergency Communication Network (MEECN) program. Under the terms of a 26 Feb '96 MOU between the Air Force (ESC/TG) and the Navy (PEO/PMA-271), the Air Force is responsible for modifications to all existing MRTs in an effort to provide a common MMRT radio for both Air Force and Navy users. This explains why the quantity of purchased kits exceed the number of installations. Air Force is responsible for installing the MMRT on the E-4 while the Navy is responsible for installation on the E-6 aircraft. NAOC and TACAMO are essential components of the Nuclear Command and Control System. Specific production costs have been updated to reflect the current working government estimate and recent contractor proposals. \$535K of FY02 funding transferred from NAVSTAR GPS, Mod #3150, to MMRT, Mod #3505, to compensate for MMRT project cost growth.

Aircraft Breakdown: Active 3, Reserve 0, ANG 0, Total 3

Development Status

Complete

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|-------|--------|-------|-------|-------|------|-------|------|-------|------|-------|------|
| | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST |
| RDT&E (3600) | 3 | 28.529 | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | 3 | 1.200 | | | | | | | | | | |
| KITS NONRECUR | 1 | 0.160 | | | | | | | | | | |
| EQUIPMENT | 75 | 20.086 | | | | | | | | | | |
| EQUIP NONREC | 1 | 0.200 | | | | | | | | | | |
| CHANGE ORDERS | | | | | | | | | | | | |
| DATA | 1 | 0.340 | [1] | 1.175 | | | | | | | | |
| SIM/TRAINER | | | | | | | | | | | | |
| SUPPORT-EQUIP | 2 | 1.309 | [1] | 2.555 | | | | | | | | |
| SPARES | 14 | 2.800 | | | | | | | | | | |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| FY-00 2 KITS | 2 | 2.123 | | | | | | | | | | |
| FY-01 1 KITS | | | [1] | 0.925 | | | | | | | | |
| TOTAL INSTALL | 2 | 2.123 | 1 | 0.925 | | | | | | | | |
| TOTAL COST (BP-1100) | | | | | | | | | | | | |
| (Totals may not add due to rounding) | 3 | 28.218 | | 4.655 | | | | | | | | |
| INSTALLATION QTY | 2 | | 1 | | | | | | | | | |

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | [3] | 28.529 |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | 3 | 1.200 |
| KITS NONRECUR | | | | | | | [1] | 0.160 |
| EQUIPMENT | | | | | | | [75] | 20.086 |
| EQUIP NONREC | | | | | | | [1] | 0.200 |
| CHANGE ORDERS | | | | | | | | |
| DATA | | | | | | | [2] | 1.515 |
| SIM/TRAINER | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | [3] | 3.864 |
| SPARES | | | | | | | [14] | 2.800 |
| INSTALLATION OF HARDWARE | | | | | | | | |
| FY-00 2 KITS | | | | | | | [2] | 2.123 |
| FY-01 1 KITS | | | | | | | [1] | 0.925 |
| TOTAL INSTALL | | | | | | | 3 | 3.048 |
| TOTAL COST (BP-1100) | | | | | | | 3 | 32.873 |
| (Totals may not add due to rounding) | | | | | | | | |
| INSTALLATION QTY | | | | | | | 3 | |

Method of Implementation: COMBINATION

Initial Lead Time: 7 Months

Follow-On Lead Time: 15 Months

Milestones

| | <u>FY-97</u> | <u>FY-98</u> | <u>FY-99</u> | <u>FY-00</u> | <u>FY-01</u> |
|--------------------------|--------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | | | 11/00 | 12/01 |
| Delivery Date (Month/CY) | | | | 06/01 | 03/03 |

Installation Schedule

| Quarter | <u>FY-97</u> | | | | <u>FY-98</u> | | | | <u>FY-99</u> | | | | <u>FY-00</u> | | | | <u>FY-01</u> | | | | <u>FY-02</u> | | | | <u>FY-03</u> | | | | <u>FY-04</u> | | | |
|---------|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Input | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Output | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

UNCLASSIFIED
MODIFICATION OF AIRCRAFT

02/13/2004
FY 2005 PB

Modification Title and No: E-4B NATIONAL AIRBORNE OPERATION CENTER (NAOC) BLOCK 5A UPDATE MN-4381

Exhibit P3A Congressional
Appropriation: Aircraft Procurement, Air Force
CLC: E-4 Class P

Models of Aircraft Affected: E-4B

Center: OC-ALC - Tinker AFB Okla City, OK

PE 0302015F

Team INFO

Description/Justification

The E-4B Audio Infrastructure Update (AIU) (formerly NAOC Block 5A Update) replaces the switchboard, semiautomatic switching system, manual telephone switching set, secure voice switching assembly, link select assembly, and portions of the patch & test facility with a modern switching system, an updated multiplexer, and new telephone devices. Prototype kit procured and installed with RDT&E funds. This modification is fully funded.

Aircraft Breakdown: Active 3, Reserve 0, ANG 0, Total 3

Development Status

Prototype install is in work on aircraft tail number 1677. Install is being accomplished along with GATM II and Senior Leadership Communication System (SLCS) (part of Mod Block 1) and integrated with the program depot maintenance (PDM). Prototype delivery is scheduled for Dec 04.

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|--------|
| | <u>QTY</u> | <u>COST</u> | |
| RDT&E (3600) | | 52.882 | [1] | 42.315 | | 38.927 | | 10.500 | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | | |
| INSTALL KITS | | | | | 1 | 11.520 | 1 | 13.692 | 1 | 13.904 | | | |
| KITS NONRECUR | | | | | | | | | | | | | |
| EQUIPMENT | | | | | [1] | 17.280 | [1] | 17.695 | [1] | 19.466 | | | |
| EQUIP NONREC | | | | | | | | | | | | | |
| CHANGE ORDERS | | | | | | | | | | | | | |
| DATA | | | | | | | | | | 1.390 | | | |
| SIM/TRAINER | | | | | | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | | | | | | |
| OGC | | | | | | | | | | | | | |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | | |
| FY-04 1 KITS | | | | | | | [1] | 28.933 | | | | | |
| FY-05 1 KITS | | | | | | | | | [1] | 24.082 | | | |
| FY-06 1 KITS | | | | | | | | | | | [1] | 23.544 | |
| TOTAL INSTALL | | | | | | | | 1 | 28.933 | 1 | 24.082 | 1 | 23.544 |
| TOTAL COST (BP-1100) | | | | | | | | | | | | | |
| (Totals may not add due to rounding) | | | | | 1 | 28.800 | 1 | 60.320 | 1 | 58.842 | | | 23.544 |
| INSTALLATION QTY | | | | | | | | 1 | | 1 | | 1 | |

UNCLASSIFIED
MODIFICATION OF AIRCRAFT

02/13/2004
FY 2005 PB
Modification Title and No: UHF SATCOM RADIO REPLACEMENT MN-4382

Exhibit P3A Congressional
Appropriation: Aircraft Procurement, Air Force
CLC: E-4 Class P

Models of Aircraft Affected: E-4B

Center: OC-ALC - Tinker AFB Okla City, OK

PE 0302015F

Team INFO

Description/Justification

UHF SATCOM radio provides full duplex voice communications in support of the primary mission of the National Airborne Operations Center (NAOC). Current UHF SATCOM radio (USC 42 V1) installed on Mod #4374 has become obsolete. Will retrofit and replace current radio installed on two aircraft (73-1676 & 74-0787) with USC 42 V2.

Aircraft Breakdown: Active 2, Reserve 0, ANG 0, Total 2

Development Status

None

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | 1 | 0.218 | 1 | 0.268 | | | | | | | | |
| KITS NONRECUR | | | | | | | | | | | | |
| EQUIPMENT | 1 | 0.716 | [1] | 0.816 | | | | | | | | |
| EQUIP NONREC | | | | | | | | | | | | |
| CHANGE ORDERS | | | | | | | | | | | | |
| DATA | | 0.123 | | | | | | | | | | |
| SIM/TRAINER | | | | | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | | | | | |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| FY-02 1 KITS | 1 | 0.375 | | | | | | | | | | |
| FY-03 1 KITS | | | [1] | 0.416 | | | | | | | | |
| TOTAL INSTALL | 1 | 0.375 | 1 | 0.416 | | | | | | | | |
| TOTAL COST (BP-1100) | 1 | 1.432 | 1 | 1.500 | | | | | | | | |
| (Totals may not add due to rounding) | | | | | | | | | | | | |
| INSTALLATION QTY | 1 | | 1 | | | | | | | | | |

(Continued)

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | 2 | 0.486 |
| KITS NONRECUR | | | | | | | | |
| EQUIPMENT | | | | | | | [2] | 1.532 |
| EQUIP NONREC | | | | | | | | |
| CHANGE ORDERS | | | | | | | | |
| DATA | | | | | | | | 0.123 |
| SIM/TRAINER | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | |
| INSTALLATION OF HARDWARE | | | | | | | | |
| FY-02 1 KITS | | | | | | | [1] | 0.375 |
| FY-03 1 KITS | | | | | | | [1] | 0.416 |
| TOTAL INSTALL | | | | | | | 2 | 0.791 |
| TOTAL COST (BP-1100) | | | | | | | 2 | 2.932 |
| (Totals may not add due to rounding) | | | | | | | | |
| INSTALLATION QTY | | | | | | | 2 | |

Method of Implementation: CLS

Initial Lead Time: 5 Months

Follow-On Lead Time: 4 Months

Milestones

| | <u>FY-01</u> | <u>FY-02</u> | <u>FY-03</u> |
|--------------------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | 04/02 | 02/03 |
| Delivery Date (Month/CY) | | 09/02 | 06/03 |

Installation Schedule

| Quarter | <u>FY-01</u> | | | | <u>FY-02</u> | | | | <u>FY-03</u> | | | | <u>FY-04</u> | | | |
|---------|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Input | | | | | | | 1 | | | | 1 | | | | | |
| Output | | | | | | | | | 1 | | | | | | | |

UNCLASSIFIED
MODIFICATION OF AIRCRAFT

02/13/2004
FY 2005 PB
Modification Title and No: MESSAGE PROCESSING SYSTEM MN-4383

Exhibit P3A Congressional
Appropriation: Aircraft Procurement, Air Force
CLC: E-4 Class P

Models of Aircraft Affected: E-4B

Center: OC-ALC - Tinker AFB Okla City, OK

PE 0302015F

Team INFO

Description/Justification

The existing Message Processing System (MPS) is a computer based system became unsupportable during FY01 due lack of a manufacturing base. Many of the components became non-reparable as the OEMs (Original Equipment Manufacturers) dropped support for their long out-of-production products. This modification replaces an existing system with one that retains the same capabilities but uses COTS-based components that are in production and expected to be supportable for the foreseeable future. The MPS serves as the interface between interior and exterior battle staff communication on- and off-board the E-4B, via four operator terminals. MPS provides the capability to receive and generate all types of message traffic required for the NAOC mission, including Emergency Action Messages (EAMs), force direction and status messages, Tactical Warning and Attack Assessment (TW/AA), and Combatant Commander networks, at all classification levels and compartments.

Aircraft Breakdown: Active 4, Reserve 0, ANG 0, Total 4

Development Status

None

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | | 0.166 | 4 | 1.175 | | | | | | | | |
| KITS NONRECUR | | 1.603 | | 3.730 | | | | | | | | |
| EQUIPMENT | | 1.524 | [4] | 1.170 | | | | | | | | |
| EQUIP NONREC | | 0.283 | | | | | | | | | | |
| CHANGE ORDERS | | | | | | | | | | | | |
| DATA | | 0.196 | | | | | | | | | | |
| SIM/TRAINER | | | | | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | | | | | |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| FY-02 0 KITS | | 2.230 | | | | | | | | | | |
| FY-03 4 KITS | | | | | | | [4] | 1.100 | | | | |
| TOTAL INSTALL | | 2.230 | | | | | 4 | 1.100 | | | | |
| TOTAL COST (BP-1100) | | 6.002 | 4 | 6.075 | | | | 1.100 | | | | |
| (Totals may not add due to rounding) | | | | | | | | | | | | |
| INSTALLATION QTY | | | | | | | 4 | | | | | |

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | 4 | 1.341 |
| KITS NONRECUR | | | | | | | | 5.333 |
| EQUIPMENT | | | | | | | [4] | 2.694 |
| EQUIP NONREC | | | | | | | | 0.283 |
| CHANGE ORDERS | | | | | | | | |
| DATA | | | | | | | | 0.196 |
| SIM/TRAINER | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | |
| INSTALLATION OF HARDWARE | | | | | | | | |
| FY-02 0 KITS | | | | | | | | 2.230 |
| FY-03 4 KITS | | | | | | | [4] | 1.100 |
| TOTAL INSTALL | | | | | | | 4 | 3.330 |
| TOTAL COST (BP-1100) | | | | | | | 4 | 13.177 |
| (Totals may not add due to rounding) | | | | | | | | |
| INSTALLATION QTY | | | | | | | 4 | |

Method of Implementation: CONTRACT FIELD TEAM

Initial Lead Time: 15 Months

Follow-On Lead Time: 15 Months

Milestones

| | <u>FY-01</u> | <u>FY-02</u> | <u>FY-03</u> |
|--------------------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | | 06/03 |
| Delivery Date (Month/CY) | | | 09/04 |

Installation Schedule

| Quarter | <u>FY-01</u> | | | | <u>FY-02</u> | | | | <u>FY-03</u> | | | | <u>FY-04</u> | | | | <u>FY-05</u> | | | |
|---------|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Input | | | | | | | | | | | | | | | | | 3 | 1 | | |
| Output | | | | | | | | | | | | | | | | | 3 | 1 | | |

UNCLASSIFIED
MODIFICATION OF AIRCRAFT

02/13/2004
FY 2005 PB

Modification Title and No: SENIOR LEADERS COMMUNICATION SYSTEM (SLCS) MN-4387

Exhibit P3A Congressional
Appropriation: Aircraft Procurement, Air Force
CLC: E-4 Class P

Models of Aircraft Affected:

Center: OC-ALC - Tinker AFB Okla City, OK

PE 0302015F

Team INFO

Description/Justification

The SLCS Wideband Modification will provide the capability for Direct Broadcast Service (DBS), Global Broadcast System, full motion point-to-point video; video teleconferencing capability; access to defense information system network and public switch network for voice, video and data. E-4B has the requirement to provide the President, the Secretary of Defense and their staff broadband information to adequately perform their duties as if they were in their home office. This modification is fully funded.

Aircraft Breakdown: Active 4, Reserve 0, ANG 0, Total 4

Development Status

Prototype install is in work on aircraft tail number 1677. Install is being accomplished along with GATM II and Audio Infrastructure Update (AIU) (part of Mod Block 1) and integrated with the program depot maintenance. Prototype delivery is scheduled for Dec 04.

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|-------|-------|-------|--------|-------|--------|-------|--------|-------|--------|-------|-------|
| | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | | | 1 | 4.413 | 1 | 4.837 | 1 | 9.975 | 1 | 8.588 | | |
| KITS NONRECUR | 1 | 2.964 | | | | | | | | | | |
| EQUIPMENT | | | [1] | 13.587 | [1] | 7.255 | [1] | 13.221 | [1] | 12.023 | | |
| EQUIP NONREC | 1 | 2.500 | | | | | | | | | | |
| CHANGE ORDERS | | | | | | | | | | | | |
| DATA | | | | 1.145 | | | | | | 0.859 | | |
| SIM/TRAINER | | | | | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | | | | | |
| OGC | | | | | | | | | | | | |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| FY-03 1 KITS | | | | | [1] | 4.830 | | | | | | |
| FY-04 1 KITS | | | | | | | [1] | 4.247 | | | | |
| FY-05 1 KITS | | | | | | | | | [1] | 4.054 | | |
| FY-06 1 KITS | | | | | | | | | | | [1] | 3.861 |
| TOTAL INSTALL | | | | | 1 | 4.830 | 1 | 4.247 | 1 | 4.054 | 1 | 3.861 |
| TOTAL COST (BP-1100) | | | | | | | | | | | | |
| (Totals may not add due to rounding) | | 5.464 | 1 | 19.145 | 1 | 16.922 | 1 | 27.443 | 1 | 25.524 | | 3.861 |
| INSTALLATION QTY | | | | | 1 | | 1 | | 1 | | 1 | |

(Continued)

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | 4 | 27.813 |
| KITS NONRECUR | | | | | | | [1] | 2.964 |
| EQUIPMENT | | | | | | | [4] | 46.086 |
| EQUIP NONREC | | | | | | | [1] | 2.500 |
| CHANGE ORDERS | | | | | | | | |
| DATA | | | | | | | | 2.004 |
| SIM/TRAINER | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | |
| OGC | | | | | | | | |
| INSTALLATION OF HARDWARE | | | | | | | | |
| FY-03 1 KITS | | | | | | | [1] | 4.830 |
| FY-04 1 KITS | | | | | | | [1] | 4.247 |
| FY-05 1 KITS | | | | | | | [1] | 4.054 |
| FY-06 1 KITS | | | | | | | [1] | 3.861 |
| TOTAL INSTALL | | | | | | | 4 | 16.992 |
| TOTAL COST (BP-1100) | | | | | | | 4 | 98.359 |
| (Totals may not add due to rounding) | | | | | | | | |
| INSTALLATION QTY | | | | | | | 4 | |

Method of Implementation: CLS

Initial Lead Time: 7 Months

Follow-On Lead Time: 7 Months

Milestones

| | <u>FY-01</u> | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> | <u>FY-06</u> |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | | 03/03 | 06/04 | 05/05 | 05/06 |
| Delivery Date (Month/CY) | | | 10/03 | 01/05 | 12/05 | 12/06 |

Installation Schedule

| | <u>FY-01</u> | | | | <u>FY-02</u> | | | | <u>FY-03</u> | | | | <u>FY-04</u> | | | | <u>FY-05</u> | | | | <u>FY-06</u> | | | | <u>FY-07</u> | | | | <u>FY-08</u> | | | | | | | |
|--------|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|---|--|--|--|
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | |
| Input | | | | | | | | | | | | | 1 | | | | | | | | 1 | | | | | | | | 1 | | | | | | | |
| Output | | | | | | | | | | | | | | | | | 1 | | | | | | | | 1 | | | | | | | | 1 | | | |

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

02/13/2004
 FY 2005 PB
 Modification Title and No: VHF/FM MN-4388

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: E-4 Class P

Models of Aircraft Affected: E-4B

Center: OC-ALC - Tinker AFB Okla City, OK

PE 0302015F

Team INFO

Description/Justification

Current system must be modified to meet National Telecommunications and Information Administration (NTIA) requirement for 12.5 KHz channel spacing. Must be compatible with White House Communications Agency (WHCA)/White House Military Office (WHMO) OPLANS/requirements to maintain connectivity and coordination with senior leadership.

Aircraft Breakdown: Active 4, Reserve 0, ANG 0, Total 4

Development Status

none

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|-------|--------|-------|-------|-------|-------|-------|------|-------|------|-------|------|
| | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | | | 4 | 0.817 | | | | | | | | |
| KITS NONRECUR | | | | | | | | | | | | |
| EQUIPMENT | | | [4] | 0.356 | | | | | | | | |
| EQUIP NONREC | | | | | | | | | | | | |
| CHANGE ORDERS | | | | | | | | | | | | |
| DATA | | | | 0.145 | | 0.625 | | | | | | |
| SIM/TRAINER | | | | | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | | | | | |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| FY-03 | | 4 KITS | | | [4] | 0.220 | | | | | | |
| TOTAL INSTALL | | | | | 4 | 0.220 | | | | | | |
| TOTAL COST (BP-1100) | | | 4 | 1.318 | | 0.845 | | | | | | |
| (Totals may not add due to rounding) | | | | | | | | | | | | |
| INSTALLATION QTY | | | | | 4 | | | | | | | |

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | 4 | 0.817 |
| KITS NONRECUR | | | | | | | | |
| EQUIPMENT | | | | | | | [4] | 0.356 |
| EQUIP NONREC | | | | | | | | |
| CHANGE ORDERS | | | | | | | | |
| DATA | | | | | | | | 0.770 |
| SIM/TRAINER | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | |
| INSTALLATION OF HARDWARE | | | | | | | | |
| FY-03 4 KITS | | | | | | | [4] | 0.220 |
| TOTAL INSTALL | | | | | | | 4 | 0.220 |
| TOTAL COST (BP-1100) | | | | | | | 4 | 2.163 |
| (Totals may not add due to rounding) | | | | | | | | |
| INSTALLATION QTY | | | | | | | 4 | |

Method of Implementation: CONTRACT FIELD TEAM

Initial Lead Time: 6 Months

Follow-On Lead Time: 6 Months

Milestones

| | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> |
|--------------------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | | 11/03 |
| Delivery Date (Month/CY) | | | 05/04 |

Installation Schedule

| | Quarter | <u>FY-02</u> | | | | <u>FY-03</u> | | | | <u>FY-04</u> | | | | |
|--------|---------|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--|
| | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | |
| Input | | | | | | | | | | | | | | |
| Output | | | | | | | | | | | 2 | 2 | | |

UNCLASSIFIED
MODIFICATION OF AIRCRAFT

02/13/2004
FY 2005 PB
Modification Title and No: GATM PHASE II MN-9709

Exhibit P3A Congressional
Appropriation: Aircraft Procurement, Air Force
CLC: E-4 Class P

Models of Aircraft Affected: E-4B

Center: OC-ALC - Tinker AFB Okla City, OK

PE 0302015F

Team INFO

Description/Justification

GATM addresses the Communication, Navigation and Surveillance (CNS) and Free Flight concepts requirement. GATM Phase II provides Controller Pilot Data Link Communication over VHF, HF and INMARSAT; and Aircraft System On/Off capability. Includes 2003 and some 2005 requirements. This modification is fully funded. Prototype funded under RDT&E funds.

Aircraft Breakdown: Active 3, Reserve 0, ANG 0, Total 3

Development Status

Prototype install is in work on aircraft tail number 1677. Install is being accomplished along with Audio Infrastructure Update (AIU) and Senior Leadership Communications System (SLCS) (part of Mod Block 1) and integrated with the program dept maintance (PDM). Prototype delivery is scheduled for Dec 04.

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|---------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | QTY | COST |
| RDT&E (3600) | | 5.275 | [1] | 5.053 | | 4.823 | | 0.672 | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | | | | | 1 | 1.200 | 1 | 1.921 | 1 | 1.193 | | |
| KITS NONRECUR EQUIPMENT | | | | | [1] | 1.800 | | 1.139 | [1] | 1.669 | | |
| EQUIP NONREC CHANGE ORDERS DATA | | | | | | | | | | 0.119 | | |
| SIM/TRAINER SUPPORT-EQUIP | | | | | | | | | | | | |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| FY-04 1 KITS | | | | | | | [1] | 4.641 | | | | |
| FY-05 1 KITS | | | | | | | | | [1] | 4.223 | | |
| FY-06 1 KITS | | | | | | | | | | | [1] | 5.026 |
| TOTAL INSTALL | | | | | | | 1 | 4.641 | 1 | 4.223 | 1 | 5.026 |
| TOTAL COST (BP-1100) | | | | | 1 | 3.000 | 1 | 7.701 | 1 | 7.204 | | 5.026 |
| (Totals may not add due to rounding) | | | | | | | | | | | | |
| INSTALLATION QTY | | | | | | | 1 | | 1 | | 1 | |

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | [1] | 15.823 |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | 3 | 4.314 |
| KITS NONRECUR | | | | | | | | |
| EQUIPMENT | | | | | | | [2] | 4.608 |
| EQUIP NONREC | | | | | | | | |
| CHANGE ORDERS | | | | | | | | |
| DATA | | | | | | | | 0.119 |
| SIM/TRAINER | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | |
| INSTALLATION OF HARDWARE | | | | | | | | |
| FY-04 | 1 | | | | | | [1] | 4.641 |
| FY-05 | 1 | | | | | | [1] | 4.223 |
| FY-06 | 1 | | | | | | [1] | 5.026 |
| TOTAL INSTALL | | | | | | | 3 | 13.890 |
| TOTAL COST (BP-1100) | | | | | | | 3 | 22.931 |
| (Totals may not add due to rounding) | | | | | | | | |
| INSTALLATION QTY | | | | | | | 3 | |

Method of Implementation: CLS

Initial Lead Time: 5 Months

Follow-On Lead Time: 5 Months

Milestones

| | <u>FY-00</u> | <u>FY-01</u> | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> | <u>FY-06</u> |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | | | | 06/04 | 06/05 | 06/06 |
| Delivery Date (Month/CY) | | | | | 11/04 | 11/05 | 11/06 |

Installation Schedule

| | <u>FY-00</u> | | | | <u>FY-01</u> | | | | <u>FY-02</u> | | | | <u>FY-03</u> | | | | <u>FY-04</u> | | | | <u>FY-05</u> | | | | <u>FY-06</u> | | | | <u>FY-07</u> | | | |
|---------|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|
| Quarter | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Input | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Output | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quarter | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Input | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Output | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

UNCLASSIFIED
MODIFICATION OF AIRCRAFT

02/13/2004
FY 2005 PB
Modification Title and No: SERVICE BULLETINS MN-99999S

Exhibit P3A Congressional
Appropriation: Aircraft Procurement, Air Force
CLC: E-4 Class P

Models of Aircraft Affected: E-4B

Center: OC-ALC - Tinker AFB Okla City, OK

PE 0302015F

Team INFO

Description/Justification

There are numerous miscellaneous modifications (service bulletins) anticipated for incorporation on the E-4 . These service bulletins affect safety, product improvement, maintenance and reliability. Service bulletins are issued to keep the weapon system in compliance with FAA standards/certification. FY02 increase due to Service Bulletin requirements for two (2) PDM aircraft and Airworthiness Directive (AD) 2000-14-11, Thrust Reverser Third Lock, design integration; FY03/04 increase to fund kit and installation effort for Thrust Reverser AD 2000-14-11.

Aircraft Breakdown: Active 0, Reserve 0, ANG 0, Total 0

Development Status

None

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | | | | | | | | | | | | |
| KITS NONRECUR | | | | | | | | | | | | |
| EQUIPMENT | | | | | | | | | | | | |
| EQUIP NONREC | | | | | | | | | | | | |
| CHANGE ORDERS | | | | | | | | | | | | |
| DATA | | | | | | | | | | | | |
| SIM/TRAINER | | | | | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | | | | | |
| AIRCRAFT | | 27.733 | | 8.539 | | 4.695 | | 2.764 | | 1.141 | | 2.000 |
| TOTAL COST (BP-1100) | | 27.733 | | 8.539 | | 4.695 | | 2.764 | | 1.141 | | 2.000 |
| (Totals may not add due to rounding) | | 27.733 | | 8.539 | | 4.695 | | 2.764 | | 1.141 | | 2.000 |

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | | |
| KITS NONRECUR | | | | | | | | |
| EQUIPMENT | | | | | | | | |
| EQUIP NONREC | | | | | | | | |
| CHANGE ORDERS | | | | | | | | |
| DATA | | | | | | | | |
| SIM/TRAINER | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | |
| AIRCRAFT | | | | | | | | 46.872 |
| TOTAL COST (BP-1100) | | | | | | | | 46.872 |
| (Totals may not add due to rounding) | | | | | | | | 46.872 |

Method of Implementation:

Initial Lead Time: 0 Months

Follow-On Lead Time: 0 Months

Milestones

| | <u>FY-89</u> | <u>FY-90</u> | <u>FY-91</u> | <u>FY-92</u> | <u>FY-93</u> | <u>FY-94</u> | <u>FY-95</u> | <u>FY-96</u> | <u>FY-97</u> | <u>FY-98</u> | <u>FY-99</u> | <u>FY-00</u> | <u>FY-01</u> | <u>FY-02</u> | <u>FY-03</u> |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | | | | | | | | | | | | | | |
| Delivery Date (Month/CY) | | | | | | | | | | | | | | | |
| | <u>FY-04</u> | <u>FY-05</u> | <u>FY-06</u> | <u>FY-07</u> | | | | | | | | | | | |
| Contract Date (Month/CY) | | | | | | | | | | | | | | | |
| Delivery Date (Month/CY) | | | | | | | | | | | | | | | |

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

02/13/2004
 FY 2005 PB
 Modification Title and No: LOW COST MODIFICATIONS MN-99999X

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: E-4 Class P

Models of Aircraft Affected: E-4

Center: OC-ALC - Tinker AFB Okla City, OK

PE 0302015F

Team INFO

Description/Justification

These are low cost modifications not to expected to exceed \$1.9M per year which are necessary for reliability, maintainability, and/or improved system performance.

Aircraft Breakdown: Active 0, Reserve 0, ANG 0, Total 0

Development Status

None

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | | | | | | | | | | | | |
| KITS NONRECUR | | | | | | | | | | | | |
| EQUIPMENT | | | | | | | | | | | | |
| EQUIP NONREC | | | | | | | | | | | | |
| CHANGE ORDERS | | | | | | | | | | | | |
| DATA | | | | | | | | | | | | |
| SIM/TRAINER | | | | | | | | | | | | |
| SUPPORT-EQUIP | | 0.184 | | | | | | | | | | |
| AIRCRAFT | | 9.344 | 1.654 | | 1.999 | | 1.999 | | 1.999 | | | 1.999 |
| TOTAL COST (BP-1100) | | 9.528 | 1.654 | | 1.999 | | 1.999 | | 1.999 | | | 1.999 |
| (Totals may not add due to rounding) | | | | | | | | | | | | |

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | | |
| KITS NONRECUR | | | | | | | | |
| EQUIPMENT | | | | | | | | |
| EQUIP NONREC | | | | | | | | |
| CHANGE ORDERS | | | | | | | | |
| DATA | | | | | | | | |
| SIM/TRAINER | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | 0.184 |
| AIRCRAFT | | | | | | | | 18.994 |
| TOTAL COST (BP-1100) | | | | | | | | 19.178 |
| (Totals may not add due to rounding) | | | | | | | | 19.178 |

Method of Implementation:

Initial Lead Time: 0 Months

Follow-On Lead Time: 0 Months

Milestones

| | <u>FY-92</u> | <u>FY-93</u> | <u>FY-94</u> | <u>FY-95</u> | <u>FY-96</u> | <u>FY-97</u> | <u>FY-98</u> | <u>FY-99</u> | <u>FY-00</u> | <u>FY-01</u> | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> | <u>FY-06</u> |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | | | | | | | | | | | | | | |
| Delivery Date (Month/CY) | | | | | | | | | | | | | | | |
| | <u>FY-07</u> | | | | | | | | | | | | | | |
| Contract Date (Month/CY) | | | | | | | | | | | | | | | |
| Delivery Date (Month/CY) | | | | | | | | | | | | | | | |

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**BUDGET ITEM JUSTIFICATION
(EXHIBIT P-40)**

DATE
February 2004

| | | | | | | | |
|--|----------|----------|----------|------------------------------------|----------|----------|----------|
| APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT-AIR FORCE/AIRCRAFT Modifications | | | | P-1 ITEM NOMENCLATURE: E-8C | | | |
| | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 |
| COST (In Mil) | \$20.653 | \$38.908 | \$45.302 | \$16.220 | \$23.437 | \$55.388 | \$32.700 |

This line item funds modifications to the E-8 aircraft. The E-8 is a modified Boeing 707-300 airframe called Joint Surveillance and Target Attack Radar System (JSTARS). The JSTARS was developed for ground surveillance, targeting and battle management. The primary modification budgeted in FY04 is the CComputer Replacement Program (CRP). Other modifications budgeted and programmed are listed below. The FY 2002 E-8C mod is understated by \$2.006M due to administrative error.

| <u>CLASS</u> | <u>MOD NR</u> | <u>MODIFICATION TITLE</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> | <u>FY-06</u> | <u>FY-07</u> | <u>FY-08</u> | <u>FY-09</u> | <u>COST TO GO</u> | <u>TOTAL PROG</u> |
|-------------------------------------|---------------|----------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------------|-------------------|
| P | 38200 | RELIABILITY, MAINTAINABILI | 4.6 | 8.0 | 4.8 | 1.2 | 4.3 | 3.7 | 4.4 | | 58.1 |
| | 38201 | CRP (COMPUTER REPLACEM | 19.8 | 12.6 | | | | | | | 170.8 |
| | 38202 | CSACI (COMBINED SATCOM/ | 2.6 | 9.6 | 39.4 | 11.0 | | | | | 127.1 |
| | 38203 | KILL CHAIN ENHANCEMENT | 1.0 | 1.7 | 1.1 | 3.9 | 4.6 | 6.1 | 6.5 | | 28.5 |
| | 38205 | JTRS INTEGRATION | | | | | | | 5.6 | | 16.2 |
| | 38206 | JOINT STARS GATM | | | | 0.1 | 14.5 | 45.6 | 16.3 | | 162.7 |
| | Z88888 | REPROGRAMMINGS | -7.3 | | | | | | | | -7.3 |
| TOTAL FOR CLASS P | | | 20.7 | 31.9 | 45.3 | 16.2 | 23.4 | 55.4 | 32.7 | 0.0 | 556.1 |
| | 8662 | AETC MTD UPGRADES-FIELD | | 7.0 | | | | | | | 7.0 |
| TOTAL FOR CLASS | | | 0.0 | 7.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.0 |
| TOTAL FOR WEAPON SYSTEM E-8C | | | 20.7 | 38.9 | 45.3 | 16.2 | 23.4 | 55.4 | 32.7 | 0.0 | 563.1 |

Totals may not add due to rounding.

UNCLASSIFIED
MODIFICATION OF AIRCRAFT

02/13/2004
FY 2005 PB
Modification Title and No: RELIABILITY, MAINTAINABILITY, AVAILABILITY (RMA) and FLEET RETROFIT MODS
MN-38200

Exhibit P3A Congressional
Appropriation: Aircraft Procurement, Air Force
CLC: E-8C Class P

Models of Aircraft Affected: E-8C

Center: ESC - Hanscom AFB, MA

PE 0207581F

Team INFO

Description/Justification

RMA modifications of aircraft and prime mission equipment enable the Air Force to achieve and maintain warfighter requirements for Mission Capability rates and aircraft availability levels. These modifications arise from several sources: (1) aircraft systems, especially RMA-oriented Engineering Change Proposals or retrofit items, including fuel systems, transmitter/indicators, and engine build up components (2) Diminishing Manufacturing Sources (DMS) not corrected through major block upgrade programs, (3) implementation of Boeing service bulletins (SB), FAA airworthiness directives (AD), and Northrop Grumman program alert orders (PAOs), and (4) correction of Category 1 deficiency reports (DR) or Class A mishaps which are urgent in nature. Significant FY04 efforts include fuel system corrections, improved data modem, PL-2 security and landing gear components. Planned FY05 efforts include continuation of fuel system corrections, landing gear components, etc. on additional aircraft.

Aircraft Breakdown: Active 0, Reserve 0, ANG 17, Total 17

Development Status

N/A

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | | | | | | | | | | | | |
| KITS NONRECUR | | | | | | | | | | | | |
| EQUIPMENT | | | | | | | | | | | | |
| EQUIP NONREC | | | | | | | | | | | | |
| CHANGE ORDERS | | | | | | | | | | | | |
| DATA | | | | | | | | | | | | |
| SIM/TRAINER | | | | | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | | | | | |
| AIRCRAFT | | 27.137 | | 4.555 | | 7.985 | | 4.813 | | 1.224 | | 4.307 |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| TOTAL INSTALL | | | | | | | | | | | | |
| TOTAL COST (BP-1100) | | 27.137 | | 4.555 | | 7.985 | | 4.813 | | 1.224 | | 4.307 |
| (Totals may not add due to rounding) | | | | | | | | | | | | |
| INSTALLATION QTY | | | | | | | | | | | | |

UNCLASSIFIED
MODIFICATION OF AIRCRAFT

02/13/2004
FY 2005 PB
Modification Title and No: CRP (COMPUTER REPLACEMENT PROGRAM) MN-38201

Exhibit P3A Congressional
Appropriation: Aircraft Procurement, Air Force
CLC: E-8C Class P

Models of Aircraft Affected: E-8C

Center: ESC - Hanscom AFB, MA

PE 0207581F

Team INFO

Description/Justification

CRP is required due to Diminishing Manufacturing Sources and parts obsolescence. This modification replaces items such as the current Militarized General Purpose Computers, Operator Work Stations, Programmable Signal Processors, and Radar Control Units/Pulse Compression Units with COTS equivalents. This modification is the baseline for all future upgrades. Negotiated kit and install costs are reflected in the current contract. Efforts are accomplished through a combination of modifications and in-line production. This line also addresses various items such as ECPs, O&As, etc., required to accomplish the program and meet the User's (ACC) operational requirements. Production aircraft #1-10 are being retrofitted. Aircraft #11-17 will receive CRP during aircraft production. CRP is planned to be completed this fiscal year (FY05). The install schedule is dependent upon the 116th Air Control Wing's maintenance planning and, could change as a result of future maintenance activities and unplanned flying hour activity, such as contingency operations.

Aircraft Breakdown: Active 0, Reserve 0, ANG 10, Total 10

Development Status

The contract for the Engineering and Manufacturing Development (EMD) effort was awarded in May 1997. DD250 for the CRP EMD baseline was signed 31 Oct 00.

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--|-------|---------|-------|--------|-------|--------|-------|------|-------|------|-------|------|
| | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST |
| RDT&E (3600) | | 93.896 | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | 10 | 8.792 | | | | | | | | | | |
| KITS NONRECUR EQUIPMENT | 10 | 108.319 | | | | | | | | | | |
| EQUIP NONREC | | | | | | | | | | | | |
| CHANGE ORDERS | | 1.283 | | | | | | | | | | |
| DATA | | 0.707 | | | | | | | | | | |
| SIM/TRAINER | | | | | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | | | | | |
| INTEGRATION | | 9.917 | | | | | | | | | | |
| PROGRAM MNGMT | | 5.666 | | 0.176 | | 2.925 | | | | | | |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| FY-99 3 KITS | 3 | 9.966 | | | | | | | | | | |
| FY-00 2 KITS | | | [2] | 6.170 | | | | | | | | |
| FY-01 2 KITS | | | [2] | 13.472 | | | | | | | | |
| FY-02 3 KITS | | | | | [3] | 12.094 | | | | | | |
| TOTAL INSTALL | 3 | 9.966 | 4 | 19.642 | 3 | 12.094 | | | | | | |
| TOTAL COST (BP-1100) (Totals may not add due to rounding) | 10 | 144.650 | | 19.818 | | 15.019 | | | | | | |
| INSTALLATION QTY | 3 | | 4 | | 3 | | | | | | | |

(Continued)

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | 93.896 |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | 10 | 8.792 |
| KITS NONRECUR | | | | | | | | |
| EQUIPMENT | | | | | | | [10] | 108.319 |
| EQUIP NONREC | | | | | | | | |
| CHANGE ORDERS | | | | | | | | 1.283 |
| DATA | | | | | | | | 0.707 |
| SIM/TRAINER | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | |
| INTEGRATION | | | | | | | | 9.917 |
| PROGRAM MNGMT | | | | | | | | 8.767 |
| INSTALLATION OF HARDWARE | | | | | | | | |
| FY-99 | 3 | | | | | | [3] | 9.966 |
| FY-00 | 2 | | | | | | [2] | 6.170 |
| FY-01 | 2 | | | | | | [2] | 13.472 |
| FY-02 | 3 | | | | | | [3] | 12.094 |
| TOTAL INSTALL | | | | | | | 10 | 41.702 |
| TOTAL COST (BP-1100) | | | | | | | 10 | 179.487 |
| (Totals may not add due to rounding) | | | | | | | | |
| INSTALLATION QTY | | | | | | | 10 | |

Method of Implementation: CONTRACTOR FACILITY

Initial Lead Time: 22 Months

Follow-On Lead Time: 22 Months

Milestones

| | <u>FY-97</u> | <u>FY-98</u> | <u>FY-99</u> | <u>FY-00</u> | <u>FY-01</u> | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | | 10/99 | 11/99 | 11/00 | 11/01 | 10/02 | 11/03 |
| Delivery Date (Month/CY) | | | 08/01 | 09/01 | 02/03 | 09/03 | 09/04 | 09/05 |

Installation Schedule

| Quarter | <u>FY-97</u> | | | | <u>FY-98</u> | | | | <u>FY-99</u> | | | | <u>FY-00</u> | | | | <u>FY-01</u> | | | | <u>FY-02</u> | | | | <u>FY-03</u> | | | | <u>FY-04</u> | | | | | | | |
|---------|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | |
| Input | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | 2 | 2 | | | | | | | 1 | 1 | | |
| Output | | | | | | | | | | | | | | | | | | | | | 1 | | | | 1 | | | | | | 2 | 2 | | | 2 | 1 |

02/13/2004
 FY 2005 PB

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: E-8C Class P

Modification Title and No: CSACI (COMBINED SATCOM/ABCCC CAPABILITY INSERTION) MN-38202

Models of Aircraft Affected: E-8C

Center: ESC - Hanscom AFB, MA

PE 0207581F

Team INFO

Description/Justification

The Air Force created the CSACI program by merging the former SATCOM and ABCCC programs. This will deliver critically needed communications within funding constraints and on time. To minimize costs and aircraft downtime during modification, the SATCOM and ABCCC installs will be executed as a single integrated program. One aircraft will receive CSACI during production, and 16 will receive CSACI as modifications.

SATCOM was to replace JSTARS' two obsolete and logistically unsupportable satellite radios with two ARC-231 radios. The ARC-231 provides mandatory Demand Assigned Multiple Access (DAMA) capability. ABCCC was to install a 3rd satellite radio into JSTARS, specifically to accommodate the additional taskings created by divesting the Airborne Battlefield Command & Control mission from the retired EC-130E into JSTARS.

The total of three new satellite radios will provide JSTARS with access to the Dedicated Air Request Net, access to C2 voice Net, compliance with Joint Technical Architecture (JTA) standards, and beyond-line-of-sight capability to receive and transmit secure voice and data.

Aircraft Breakdown: Active , Reserve 0, ANG 16, Total 16

Development Status

RDT&E for the DAMA SATCOM portion of the effort has been completed. The ABCCC piece is planned for completion in FY04.

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|-------|--------|-------|--------|-------|-------|-------|--------|-------|-------|--------|------|
| | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST |
| RDT&E (3600) | | 69.170 | | 15.932 | | 8.100 | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | | | 3 | | 4 | 5.579 | 9 | 25.566 | | | | |
| KITS NONRECUR | | | | | | | | | | | | |
| EQUIPMENT | | | | | | | | | | | | |
| EQUIP NONREC | | | | | | | | | | | | |
| CHANGE ORDERS | | | | | | | | | | | | |
| DATA | | | | | | | | | | | | |
| SIM/TRAINER | | | | | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | | | | | |
| PMA | | | | | | 1.300 | | 5.721 | | 2.115 | | |
| RETROFIT KITS | | | | 2.579 | | 2.749 | | | | | | |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| FY-03 | | | 3 | KITS | | | | [3] | 3.033 | | | |
| FY-04 | | | 4 | KITS | | | | [4] | 4.044 | | | |
| FY-05 | | | 9 | KITS | | | | [1] | 1.021 | [8] | 8.878 | |
| TOTAL INSTALL | | | | | | | | 8 | 8.098 | | 8.878 | |
| TOTAL COST (BP-1100) | | | | | | | | | | | | |
| (Totals may not add due to rounding) | | | 3 | 2.579 | 4 | 9.628 | 9 | 39.385 | | | 10.993 | |
| INSTALLATION QTY | | | | | | | | 8 | | 8 | | |

(Continued)

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | 93.202 |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | 16 | 31.145 |
| KITS NONRECUR | | | | | | | | |
| EQUIPMENT | | | | | | | | |
| EQUIP NONREC | | | | | | | | |
| CHANGE ORDERS | | | | | | | | |
| DATA | | | | | | | | |
| SIM/TRAINER | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | |
| PMA | | | | | | | | 9.136 |
| RETROFIT KITS | | | | | | | | 5.328 |
| INSTALLATION OF HARDWARE | | | | | | | | |
| FY-03 | | | 3 KITS | | | | [3] | 3.033 |
| FY-04 | | | 4 KITS | | | | [4] | 4.044 |
| FY-05 | | | 9 KITS | | | | [1] | 9.899 |
| TOTAL INSTALL | | | | | | | 8 | 16.976 |
| TOTAL COST (BP-1100) | | | | | | | 16 | 62.585 |
| (Totals may not add due to rounding) | | | | | | | | |
| INSTALLATION QTY | | | | | | | 16 | |

Method of Implementation: CONTRACTOR FACILITY

Initial Lead Time: 12 Months

Follow-On Lead Time: 11 Months

Milestones

| | <u>FY-98</u> | <u>FY-99</u> | <u>FY-00</u> | <u>FY-01</u> | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> | <u>FY-06</u> |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | | | | | 12/03 | 12/03 | 11/04 | 11/05 |
| Delivery Date (Month/CY) | | | | | | 12/04 | 11/04 | 10/05 | 10/06 |

Installation Schedule

| | <u>FY-98</u> | | | | <u>FY-99</u> | | | | <u>FY-00</u> | | | | <u>FY-01</u> | | | | <u>FY-02</u> | | | | <u>FY-03</u> | | | | <u>FY-04</u> | | | | <u>FY-05</u> | | | |
|---------|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Quarter | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Input | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Output | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2 | 3 | 2 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2 | 3 | 2 |
| Quarter | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Input | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Output | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

UNCLASSIFIED
MODIFICATION OF AIRCRAFT

02/13/2004
FY 2005 PB

Modification Title and No: KILL CHAIN ENHANCEMENT MODIFICATIONS MN-38203

Exhibit P3A Congressional
Appropriation: Aircraft Procurement, Air Force
CLC: E-8C Class P

Models of Aircraft Affected: E-8C

Center: ESC - Hanscom AFB, MA

PE 0207581F

Team INFO

Description/Justification

To proceed from enemy identification to engagement (executing the 'kill chain'), the warfighter must find, fix, track, target and engage enemy threats, as well as assess the overall battlespace. The Joint STARS Kill Chain Enhancement / Spiral Development program monitors, identifies, evaluates, compares and prioritizes projects that expediently deliver warfighting capabilities to help the warfighter win and survive in today's complex battlefield. The program is focused on rapid implementation and delivery, rather than long-term production prior to the useable capability. The Air Force will look for relatively low-cost emerging technologies that greatly increase system and system-of-systems capability. Candidates typically arise out of warfighter experiments, exercises or real world lessons learned. In either case, the Air Force has a rigorous process in place to prioritize potential enhancements.

Current efforts include a Tracker Performance Improvement (TPI) program, imagery and operator comparison/selection tools, integration of commercial software, trainer mods and other related efforts. TPI will provide JSTARS operators additional track status data and improve the operator's ability to fuse sensor and external data. This will allow the shooter to receive a more accurate picture of enemy threats. Trainer mods will allow JSTARS to train in a collaborative manner with other Air Force sensors and shooters, as well as Army ground nodes to simulate/rehearse missions together.

FY05 planned effort is to procure a Navigator Trainer to enable aircrew to conduct initial/qualification/upgrade/continuation training for JSTARS navigators. This capability will enable navigators and battle management crew to train together for the first time, resulting in improved/additional capability to prosecute targets and manage the battle. Also, the improved training capability will enable flight crew training at a rate that meets combatant commander needs for JSTARS in-theater.

Aircraft Breakdown: Active 0, Reserve 0, ANG 0, Total 0

Development Status

N/A

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | 2.877 | | 0.300 | | 1.299 | | 1.923 | | 1.456 | | 1.500 |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | | | | | | | | | | | | |
| KITS NONRECUR | | | | | | | | | | | | |
| EQUIPMENT | | | | | | | | | | | | |
| EQUIP NONREC | | | | | | | | | | | | |
| CHANGE ORDERS | | | | | | | | | | | | |
| DATA | | | | | | | | | | | | |
| SIM/TRAINER | | | | | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | | | | | |
| PROGRAM MNGMT | | | | | | | | | | 0.289 | | 0.303 |
| INTEGRATION | | 3.500 | | 1.003 | | 1.748 | | 1.104 | | 3.614 | | 4.296 |

Projected Financial Plan Continued

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| TOTAL INSTALL | | | | | | | | | | | | |
| TOTAL COST (BP-1100) | | | | | | | | | | | | |
| (Totals may not add due to rounding) | | 3.500 | | 1.003 | | 1.748 | | 1.104 | | 3.903 | | 4.599 |
| INSTALLATION QTY | | | | | | | | | | | | |

(Continued)

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | 1.766 | | 1.530 | | | | 12.651 |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | | |
| KITS NONRECUR | | | | | | | | |
| EQUIPMENT | | | | | | | | |
| EQUIP NONREC | | | | | | | | |
| CHANGE ORDERS | | | | | | | | |
| DATA | | | | | | | | |
| SIM/TRAINER | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | |
| PROGRAM MNGMT | | 0.352 | | 0.335 | | | | 1.279 |
| INTEGRATION | | 5.771 | | 6.145 | | | | 27.181 |
| INSTALLATION OF HARDWARE | | | | | | | | |
| TOTAL INSTALL | | | | | | | | |
| TOTAL COST (BP-1100) | | 6.123 | | 6.480 | | | | 28.460 |
| (Totals may not add due to rounding) | | | | | | | | |
| INSTALLATION QTY | | | | | | | | |

Method of Implementation: CONTRACTOR FACILITY

Initial Lead Time: 12 Months

Follow-On Lead Time: 10 Months

Milestones

| | <u>FY-01</u> | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> | <u>FY-06</u> | <u>FY-07</u> |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | 04/02 | 11/02 | 11/03 | 11/04 | 11/05 | 11/06 | 11/07 |
| Delivery Date (Month/CY) | 04/03 | 09/03 | 09/04 | 09/05 | 09/06 | 09/07 | |

Installation Schedule

| | <u>FY-01</u> | | | | <u>FY-02</u> | | | | <u>FY-03</u> | | | | <u>FY-04</u> | | | | <u>FY-05</u> | | | | <u>FY-06</u> | | | | <u>FY-07</u> | | | | <u>FY-08</u> | | | |
|---------|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Quarter | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Input | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Output | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quarter | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Input | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Output | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

(Continued)

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | | |
| KITS NONRECUR | | | | | | | | |
| EQUIPMENT | | | | | | | 1 | 6.974 |
| EQUIP NONREC | | | | | | | | |
| CHANGE ORDERS | | | | | | | | |
| DATA | | | | | | | | |
| SIM/TRAINER | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | |
| INSTALLATION OF HARDWARE | | | | | | | | |
| FY-04 1 KITS | | | | | | | | |
| TOTAL INSTALL | | | | | | | | |
| TOTAL COST (BP-1100) | | | | | | | 1 | 6.974 |
| (Totals may not add due to rounding) | | | | | | | | |
| INSTALLATION QTY | | | | | | | | |

Method of Implementation: CONTRACT FIELD TEAM

Initial Lead Time: 2 Months

Follow-On Lead Time: 0 Months

Milestones

| | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> |
|--------------------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | | 12/04 |
| Delivery Date (Month/CY) | | | 02/05 |

Installation Schedule

| | <u>FY-02</u> | | | | <u>FY-03</u> | | | | <u>FY-04</u> | | | | <u>FY-05</u> | | | | <u>FY-06</u> | | | | <u>FY-07</u> | | | | <u>FY-08</u> | | | | <u>FY-09</u> | | | |
|---------|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|
| Quarter | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Input | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Output | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quarter | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Input | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Output | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

UNCLASSIFIED

| BUDGET ITEM JUSTIFICATION (EXHIBIT P-40) | | | | | | | DATE February 2004 |
|--|---------|---------|---------|----------------------------|----------|----------|-----------------------|
| APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT-AIR FORCE/AIRCRAFT Modifications | | | | P-1 ITEM NOMENCLATURE: H-1 | | | |
| | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 |
| COST (In Mil) | \$0.470 | \$3.327 | \$6.575 | \$8.668 | \$14.955 | \$11.385 | \$11.371 |

This line item funds modifications to the UH-1N aircraft. The two engine UH-1N is a light-lift, utility helicopter primarily used for missile site and range support and distinguished visitor airlift support. The modifications in FY05 will enhance operational capability while improving flight safety, reliability, and maintainability. The specific modifications budgeted and programmed are below.

| <u>CLASS</u> | <u>MOD NR</u> | <u>MODIFICATION TITLE</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> | <u>FY-06</u> | <u>FY-07</u> | <u>FY-08</u> | <u>FY-09</u> | <u>COST TO GO</u> | <u>TOTAL PROG</u> |
|------------------------------------|---------------|---------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------------|-------------------|
| P-S | 8751 | TAIL BOOMS | | | 2.7 | 5.7 | 10.3 | 9.4 | 9.4 | | 55.9 |
| | 8752 | TAIL BOOMS STRAKES | | | 1.9 | | | | | | 3.7 |
| TOTAL FOR CLASS P-S | | | 0.0 | 0.0 | 4.6 | 5.7 | 10.3 | 9.4 | 9.4 | 0.0 | 59.6 |
| P | _2747 | H-1 SEATS | | 2.1 | | | | | | | 2.1 |
| | 7241 | NIGHT VISION INSTRUMENT | | | | 1.0 | 2.7 | | | | 7.2 |
| | 99999X | LOW COST MODIFICATIONS | 0.5 | 1.1 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | | 13.1 |
| | Z88888 | REPROGRAMMINGS | 0.0 | 0.1 | | | | | | | 0.1 |
| TOTAL FOR CLASS P | | | 0.5 | 3.3 | 2.0 | 3.0 | 4.7 | 2.0 | 2.0 | 0.0 | 22.6 |
| TOTAL FOR WEAPON SYSTEM H-1 | | | 0.5 | 3.3 | 6.6 | 8.7 | 15.0 | 11.4 | 11.4 | 0.0 | 82.2 |

Totals may not add due to rounding.

| | | | |
|--|-------------------------------|---------------|--|
| | P-1 SHOPP LIST ITEM NO. 55 | PAGE NO. 1 | |
|--|-------------------------------|---------------|--|

02/13/2004
 FY 2005 PB
 Modification Title and No: H-1 SEATS MN- 2747

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: H-1 Class P

Models of Aircraft Affected: UH-1N

Center: WRALC Robins AFB GA

PE 0101235F Team SPACE

Description/Justification

This modification procures 59 H-1 seats to replace fleet per AF Safety Board findings. It is a FY04 New Start effort.

Aircraft Breakdown: Active 59, Reserve 0, ANG 0, Total 59

Development Status

None required

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | | | | | 59 | 2.095 | | | | | | |
| KITS NONRECUR | | | | | | | | | | | | |
| EQUIPMENT | | | | | | | | | | | | |
| EQUIP NONREC | | | | | | | | | | | | |
| CHANGE ORDERS | | | | | | | | | | | | |
| DATA | | | | | | 0.005 | | | | | | |
| SIM/TRAINER | | | | | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | | | | | |
| TOTAL COST (BP-1100) | | | | | 59 | 2.100 | | | | | | |
| (Totals may not add due to rounding) | | | | | | | | | | | | |

(Continued)

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | 59 | 2.095 |
| KITS NONRECUR | | | | | | | | |
| EQUIPMENT | | | | | | | | |
| EQUIP NONREC | | | | | | | | |
| CHANGE ORDERS | | | | | | | | |
| DATA | | | | | | | | 0.005 |
| SIM/TRAINER | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | |
| TOTAL COST (BP-1100) | <hr/> | | | | | | 59 | 2.100 |
| (Totals may not add due to rounding) | | | | | | | | |

Method of Implementation: ORG/INTERMEDIATE

Initial Lead Time: 14 Months

Follow-On Lead Time: 0 Months

Milestones

| | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> |
|--------------------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | | 01/04 |
| Delivery Date (Month/CY) | | | 03/05 |

02/13/2004
 FY 2005 PB
 Modification Title and No: TAIL BOOMS MN-8751

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: H-1 Class P-S

Models of Aircraft Affected: UH-IN

Center:

PE

Team

Description/Justification

Tail Boom Replacement: Replaces the original tail boom with a new tail boom

Aircraft Breakdown: Active 62, Reserve , ANG , Total 62

Development Status

None Required

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | | | | | | | 4 | 2.340 | 5 | 5.493 | 20 | 10.055 |
| KITS NONRECUR | | | | | | | 1 | 0.225 | | | | |
| EQUIPMENT | | | | | | | | | | | | |
| EQUIP NONREC | | | | | | | | | | | | |
| CHANGE ORDERS | | | | | | | | | | | | |
| DATA | | | | | | | | 0.058 | | 0.100 | | 0.125 |
| SIM/TRAINER | | | | | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | | | | | |
| OGC | | | | | | | | 0.075 | | 0.075 | | 0.075 |
| FLT TEST | | | | | | | | 0.042 | | | | |
| TOTAL COST (BP-1100) | | | | | | | | | | | | |
| (Totals may not add due to rounding) | | | | | | | 5 | 2.740 | 5 | 5.668 | 20 | 10.255 |

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | 16 | 9.385 | 16 | 9.371 | | | 61 | 36.644 |
| KITS NONRECUR EQUIPMENT | | | | | | | 1 | 0.225 |
| EQUIP NONREC CHANGE ORDERS | | | | | | | | 0.283 |
| DATA | | | | | | | | 0.225 |
| SIM/TRAINER SUPPORT-EQUIP | | | | | | | | 0.042 |
| OGC | | | | | | | | |
| FLT TEST | | | | | | | | |
| TOTAL COST (BP-1100) | | | | | | | | |
| (Totals may not add due to rounding) | 16 | 9.385 | 16 | 9.371 | | | 62 | 37.419 |

Method of Implementation: ORG/INTERMEDIATE

Initial Lead Time: 6 Months

Follow-On Lead Time: 6 Months

Milestones

| | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> | <u>FY-06</u> | <u>FY-07</u> | <u>FY-08</u> | <u>FY-09</u> |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | | | 01/06 | 11/05 | 11/06 | 11/07 | 11/09 |
| Delivery Date (Month/CY) | | | | 07/06 | 05/06 | 05/07 | 05/08 | 05/10 |

02/13/2004
 FY 2005 PB
 Modification Title and No: TAIL BOOMS STRAKES MN-8752

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: H-1 Class P-S

Models of Aircraft Affected: UH-1N

Center:

PE

Team

Description/Justification

Tail Boom Strakes: Tail boom strakes are added reduce stress on the tail boom

Aircraft Breakdown: Active 62, Reserve , ANG , Total 62

Development Status

None Required

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | | | | | | | 61 | 1.674 | | | | |
| KITS NONRECUR | | | | | | | | 0.014 | | | | |
| EQUIPMENT | | | | | | | | | | | | |
| EQUIP NONREC | | | | | | | | | | | | |
| CHANGE ORDERS | | | | | | | | | | | | |
| DATA | | | | | | | | 0.034 | | | | |
| SIM/TRAINER | | | | | | | [6] | 0.083 | | | | |
| SUPPORT-EQUIP | | | | | | | | | | | | |
| OGC | | | | | | | | 0.030 | | | | |
| TOTAL COST (BP-1100) | | | | | | | | | | | | |
| (Totals may not add due to rounding) | | | | | | | 61 | 1.835 | | | | |

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|-------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | |
| RDT&E (3600) | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | |
| INSTALL KITS | | | | | | | 61 | 1.674 | |
| KITS NONRECUR EQUIPMENT | | | | | | | | 0.014 | |
| EQUIP NONREC CHANGE ORDERS | | | | | | | | | |
| DATA | | | | | | | | 0.034 | |
| SIM/TRAINER | | | | | | | [6] | 0.083 | |
| SUPPORT-EQUIP | | | | | | | | | |
| OGC | | | | | | | | 0.030 | |
| TOTAL COST (BP-1100) | <hr/> | | | | | | | 61 | 1.835 |
| (Totals may not add due to rounding) | | | | | | | | | |

Method of Implementation:

Initial Lead Time: 0 Months

Follow-On Lead Time: 0 Months

Milestones

| | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> | <u>FY-06</u> | <u>FY-07</u> | <u>FY-08</u> | <u>FY-09</u> | <u>FY-10</u> | <u>FY-11</u> | <u>FY-12</u> | <u>FY-13</u> | <u>FY-14</u> | <u>FY-15</u> | <u>FY-16</u> |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | | | | | | | | | | | | | | |
| Delivery Date (Month/CY) | | | | | | | | | | | | | | | |
| Contract Date (Month/CY) | | | | | | | | | | | | | | | |
| Delivery Date (Month/CY) | | | | | | | | | | | | | | | |

02/13/2004
 FY 2005 PB
 Modification Title and No: LOW COST MODIFICATIONS MN-99999X

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: H-1 Class P

Models of Aircraft Affected: LOW COST MODIFICATIONS

Center: WRALC Robins AFB GA

PE 0101235F

Team SPACE

Description/Justification

Low cost modifications (under \$900K). Includes transmission fifth mount for the UH-IN.

Aircraft Breakdown: Active 0, Reserve 0, ANG 0, Total 0

Development Status

N/A.

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | | | | | | | | | | | | |
| KITS NONRECUR | | | | | | | | | | | | |
| EQUIPMENT | | | | | | | | | | | | |
| EQUIP NONREC | | | | | | | | | | | | |
| CHANGE ORDERS | | | | | | | | | | | | |
| DATA | | | | | | | | | | | | |
| SIM/TRAINER | | | | | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | | | | | |
| AIRCRAFT | | 1.270 | | 0.470 | | 1.149 | | 2.000 | | 2.000 | | 2.000 |
| TOTAL COST (BP-1100) | | 1.270 | | 0.470 | | 1.149 | | 2.000 | | 2.000 | | 2.000 |
| (Totals may not add due to rounding) | | | | | | | | | | | | |

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | | |
| KITS NONRECUR | | | | | | | | |
| EQUIPMENT | | | | | | | | |
| EQUIP NONREC | | | | | | | | |
| CHANGE ORDERS | | | | | | | | |
| DATA | | | | | | | | |
| SIM/TRAINER | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | |
| AIRCRAFT | | 2.000 | | 2.000 | | | | 12.889 |
| TOTAL COST (BP-1100) | | 2.000 | | 2.000 | | | | 12.889 |
| (Totals may not add due to rounding) | | 2.000 | | 2.000 | | | | 12.889 |

Method of Implementation: ORG/INTERMEDIATE

Initial Lead Time: 12 Months

Follow-On Lead Time: 12 Months

Milestones

| | <u>FY-93</u> | <u>FY-94</u> | <u>FY-95</u> | <u>FY-96</u> | <u>FY-97</u> | <u>FY-98</u> | <u>FY-99</u> | <u>FY-00</u> | <u>FY-01</u> | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> | <u>FY-06</u> | <u>FY-07</u> |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | | | | | | | | | | | | | | |
| Delivery Date (Month/CY) | | | | | | | | | | | | | | | |
| Contract Date (Month/CY) | <u>FY-08</u> | <u>FY-09</u> | | | | | | | | | | | | | |
| Delivery Date (Month/CY) | | | | | | | | | | | | | | | |

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UNCLASSIFIED

| BUDGET ITEM JUSTIFICATION (EXHIBIT P-40) | | | | | | | DATE February 2004 |
|--|----------|----------|----------|------------------------------|----------|---------|-----------------------|
| APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT-AIR FORCE/AIRCRAFT Modifications | | | | P-1 ITEM NOMENCLATURE: HH-60 | | | |
| | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 |
| COST (In Mil) | \$38.020 | \$47.170 | \$95.068 | \$40.842 | \$10.390 | \$8.328 | \$3.964 |

This line item funds modifications to the HH-60 helicopter. The HH-60 is a twin engine, aerial refuelable helicopter capable of performing combat search and rescue missions day or night. The overall goal of the modifications budgeted in FY04 is to install the -701 engine in the HH-60 and provide enhanced communications capability. The primary modification budgeted in FY04 is the Situational Data Link. Specific modifications budgeted and programmed are listed below.

| <u>CLASS</u> | <u>MOD NR</u> | <u>MODIFICATION TITLE</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> | <u>FY-06</u> | <u>FY-07</u> | <u>FY-08</u> | <u>FY-09</u> | <u>COST TO GO</u> | <u>TOTAL PROG</u> |
|--------------------------------------|---------------|-------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------------|-------------------|
| P | _1072 | Dual Enginer Contingency Powe | | | 3.4 | 3.2 | 3.8 | 3.8 | 2.2 | | 37.3 |
| | 6590 | INSTALLATION OF SELF PRO | 9.3 | 3.9 | 1.0 | | | | | | 54.8 |
| | 8258 | FLIR | | 12.9 | 16.4 | 2.1 | | | | | 46.8 |
| | 8560 | SERVICE LIFE EXTENSION PR | 0.1 | 1.9 | 11.4 | 2.5 | | | | | 44.1 |
| | 8563 | LIGHTWEIGHT AIRBORNE RE | | 2.4 | | | | | | | 6.4 |
| | 99999X | LOW COST MODIFICATIONS | 0.1 | 0.1 | 0.2 | 0.4 | 0.1 | 0.1 | 0.1 | | 2.0 |
| | ARR | 701C ENGINE AND GEARBOX | | | 35.1 | 13.4 | 1.8 | | | | 95.8 |
| | T8415 | UPGRADE COMMUNICATION | 28.7 | 24.8 | 27.6 | 19.3 | 4.8 | 4.5 | 1.6 | | 359.1 |
| | Z88888 | REPROGRAMMINGS | | 1.2 | | | | | | | 1.2 |
| TOTAL FOR CLASS P | | | 38.2 | 47.2 | 95.1 | 40.8 | 10.5 | 8.4 | 4.0 | 0.0 | 647.6 |
| TOTAL FOR WEAPON SYSTEM HH-60 | | | 38.2 | 47.2 | 95.1 | 40.8 | 10.5 | 8.4 | 4.0 | 0.0 | 647.6 |

Totals may not add due to rounding.

| | | | |
|--|-------------------------------|---------------|--|
| | P-1 SHOPP LIST ITEM NO. 56 | PAGE NO. 1 | |
|--|-------------------------------|---------------|--|

02/13/2004
 FY 2005 PB
 Modification Title and No: Dual Engine Contingency Power MN-_1072

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: HH-60 Class P

Models of Aircraft Affected: HH-60

Center: WRALC Robins AFB GA

PE 0207224F

Team AIR

Description/Justification

Dual Engine Contingency Power:

The USAF has a requirement to provide the availability of maximum engine power to the HH-60G Combat Search and Rescue (CSAR) Helicopter. This program modifies 104 HH60G Helicopters with a Dual Engine Control Unit capability which allows the use of maximum engine power during emergency/power constrained situations. This modification will provide extra power availability to assist in preventing uncontrolled impacts with the ground as a result of limited power during high altitude, high temperature and high gross weight conditions. This modification will also upgrade the existing H-60 Weapon System Trainer and H-60 Operational Flight Trainer.

Aircraft Breakdown: Active 62, Reserve 24, ANG 18, Total 104

Development Status

No RDT&E Required

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | | |
|--------------------------------------|-------|------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST | |
| RDT&E (3600) | | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | | |
| INSTALL KITS | | | | | | | 10 | 0.200 | 31 | 0.620 | 31 | 0.810 | |
| KITS NONRECUR | | | | | | | 1 | 1.330 | | | | | |
| EQUIPMENT | | | | | | | [10] | 0.500 | [31] | 1.400 | [31] | 1.700 | |
| EQUIP NONREC | | | | | | | | | | 0.120 | | 0.260 | |
| CHANGE ORDERS | | | | | | | | 0.500 | | 0.200 | | | |
| DATA | | | | | | | | | [2] | 0.400 | | | |
| SIM/TRAINER | | | | | | | | 0.250 | | | | | |
| SUPPORT-EQUIP | | | | | | | | 0.500 | | | | | |
| FLT TEST | | | | | | | | 0.120 | | 0.160 | | 0.160 | |
| OGC | | | | | | | | | | | | | |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | | |
| FY-05 | 11 | KITS | | | | | | | [10] | 0.300 | | | |
| FY-06 | 31 | KITS | | | | | | | | | [31] | 0.870 | |
| FY-07 | 31 | KITS | | | | | | | | | | | |
| FY-08 | 31 | KITS | | | | | | | | | | | |
| TOTAL INSTALL | | | | | | | | | 10 | 0.300 | 31 | 0.870 | |
| TOTAL COST (BP-1100) | | | | | | | | | | | | | |
| (Totals may not add due to rounding) | | | | | | | | 11 | 3.400 | 31 | 3.200 | 31 | 3.800 |
| INSTALLATION QTY | | | | | | | | 1 | | 10 | | 31 | |

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | 31 | 0.890 | | | | | 103 | 2.520 |
| KITS NONRECUR | | | | | | | 1 | 1.330 |
| EQUIPMENT | [31] | 1.750 | | | | | [103] | 5.350 |
| EQUIP NONREC | | | | | | | | |
| CHANGE ORDERS | | 0.024 | | 0.150 | | | | 0.554 |
| DATA | | | | 0.450 | | | | 1.150 |
| SIM/TRAINER | | | | | | | [2] | 0.400 |
| SUPPORT-EQUIP | | | | | | | | 0.250 |
| FLT TEST | | | | | | | | 0.500 |
| OGC | | 0.120 | | 0.135 | | | | 0.695 |
| INSTALLATION OF HARDWARE | | | | | | | | |
| FY-05 11 KITS | | | | | | | [10] | 0.300 |
| FY-06 31 KITS | | | | | | | [31] | 0.870 |
| FY-07 31 KITS | [31] | 1.020 | | | | | [31] | 1.020 |
| FY-08 31 KITS | | | [31] | 1.500 | | | [31] | 1.500 |
| TOTAL INSTALL | 31 | 1.020 | 31 | 1.500 | | | 103 | 3.690 |
| TOTAL COST (BP-1100) | 31 | 3.804 | | 2.235 | | | 104 | 16.439 |
| (Totals may not add due to rounding) | | | | | | | | |
| INSTALLATION QTY | 31 | | 31 | | | | 104 | |

Method of Implementation: CONTRACT FIELD TEAM

Initial Lead Time: 12 Months

Follow-On Lead Time: 12 Months

Milestones

| | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> | <u>FY-06</u> | <u>FY-07</u> | <u>FY-08</u> | <u>FY-09</u> |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | | | 12/04 | 11/05 | 11/06 | 11/07 | 11/08 |
| Delivery Date (Month/CY) | | | | 12/05 | 11/06 | 11/07 | 11/08 | 11/09 |

Installation Schedule

| Quarter | <u>FY-02</u> | | | | <u>FY-03</u> | | | | <u>FY-04</u> | | | | <u>FY-05</u> | | | | <u>FY-06</u> | | | | <u>FY-07</u> | | | | <u>FY-08</u> | | | | <u>FY-09</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--|--|---|--|--|--|---|--|--|--|----|--|--|--|----|--|--|--|----|--|--|--|----|--|
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | |
| Input | | | | | | | | | | | | | | | 1 | | | | 3 | | | | 2 | | | | 8 | | | | 8 | | | | 7 | | | | 8 | | | | 10 | | | | 10 | | | | | | | | | |
| Output | | | | | | | | | | | | | | | | | 1 | | | | | | 3 | | | | 2 | | | | 8 | | | | 8 | | | | 8 | | | | 7 | | | | 10 | | | | 10 | | | | 11 | |

UNCLASSIFIED
MODIFICATION OF AIRCRAFT

02/13/2004
FY 2005 PB

Modification Title and No: INSTALLATION OF SELF PROTECTION SYSTEM MN-6590

Exhibit P3A Congressional
Appropriation: Aircraft Procurement, Air Force
CLC: HH-60 Class P

Models of Aircraft Affected: HH60

Center: WRALC Robins AFB GA

PE 0207224F

Team AIR

Description/Justification

The USAF has a requirement for the Electronic Combat Equipment for HH60G helicopter. This modification will relocate the existing aft. AN/APR-39A antenna, add the AN/AAR47 Missile Warning System (MWS), replace the M-130/ALE-40 Countermeasure Defense system (CMDS) with the AN/ALE-47 CMDS and add provisions for future integration of these systems with RWR. Funds have been reallocated from the HH-60G Upgraded Communications, Navigation/Integrated EW (UCN/IEW) modification to increase quantities of SPS to be fielded in the near term and to complete SPS on active and ANG HH60Gs. (23) SPS upgrades of Reserve HH60Gs were funded in a separate program.

Aircraft Breakdown: Active 64, Reserve 0, ANG 18, Total 82

Development Status

Development is complete.

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|-------|--------|-------|-------|-------|-------|-------|-------|-------|------|-------|------|
| | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | 60 | 8.205 | 16 | 2.500 | 6 | 0.938 | | | | | | |
| KITS NONRECUR | | 0.185 | | | | | | | | | | |
| EQUIPMENT | 60 | 5.838 | [16] | 1.500 | [6] | 1.011 | | | | | | |
| EQUIP NONREC | | | | | | | | | | | | |
| CHANGE ORDERS | | | | 3.160 | | | | | | | | |
| DATA | | 0.340 | | | | 0.000 | | 0.304 | | | | |
| SIM/TRAINER | | | | | | | | | | | | |
| SUPPORT-EQUIP | | 1.300 | | 0.200 | | | | | | | | |
| OGC | | 0.501 | | 0.175 | | 0.200 | | 0.050 | | | | |
| FLIGHT TEST | | | | | | | | | | | | |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| FY-99 8 KITS | 8 | 0.909 | | | | | | | | | | |
| FY-00 16 KITS | 16 | 1.600 | | | | | | | | | | |
| FY-01 18 KITS | 18 | 1.800 | | | | | | | | | | |
| FY-02 18 KITS | | | [18] | 1.800 | | | | | | | | |
| FY-03 16 KITS | | | | | [16] | 1.735 | | | | | | |
| FY-04 6 KITS | | | | | | | [6] | 0.600 | | | | |
| TOTAL INSTALL | 42 | 4.309 | 18 | 1.800 | 16 | 1.735 | 6 | 0.600 | | | | |
| TOTAL COST (BP-1100) | | | | | | | | | | | | |
| (Totals may not add due to rounding) | 60 | 20.678 | 16 | 9.335 | 6 | 3.884 | | 0.954 | | | | |
| INSTALLATION QTY | 42 | | 18 | | 16 | | 6 | | | | | |

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | 82 | 11.643 |
| KITS NONRECUR | | | | | | | | 0.185 |
| EQUIPMENT | | | | | | | [82] | 8.349 |
| EQUIP NONREC | | | | | | | | |
| CHANGE ORDERS | | | | | | | | 3.160 |
| DATA | | | | | | | | 0.644 |
| SIM/TRAINER | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | 1.500 |
| OGC | | | | | | | | 0.926 |
| FLIGHT TEST | | | | | | | | |
| INSTALLATION OF HARDWARE | | | | | | | | |
| FY-99 8 KITS | | | | | | | [8] | 0.909 |
| FY-00 16 KITS | | | | | | | [16] | 1.600 |
| FY-01 18 KITS | | | | | | | [18] | 1.800 |
| FY-02 18 KITS | | | | | | | [18] | 1.800 |
| FY-03 16 KITS | | | | | | | [16] | 1.735 |
| FY-04 6 KITS | | | | | | | [6] | 0.600 |
| TOTAL INSTALL | | | | | | | 82 | 8.444 |
| TOTAL COST (BP-1100) | | | | | | | 82 | 34.851 |
| (Totals may not add due to rounding) | | | | | | | | |
| INSTALLATION QTY | | | | | | | 82 | |

Method of Implementation: CONTRACT FIELD TEAM

Initial Lead Time: 6 Months

Follow-On Lead Time: 12 Months

Milestones

| | <u>FY-98</u> | <u>FY-99</u> | <u>FY-00</u> | <u>FY-01</u> | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | 01/00 | 01/00 | 10/00 | 10/01 | 10/02 | 10/03 | 10/04 | 10/04 |
| Delivery Date (Month/CY) | 07/00 | 01/01 | 10/01 | 10/02 | 10/03 | 10/04 | 10/05 | |

Installation Schedule

| Quarter | <u>FY-98</u> | | | | <u>FY-99</u> | | | | <u>FY-00</u> | | | | <u>FY-01</u> | | | | <u>FY-02</u> | | | | <u>FY-03</u> | | | | <u>FY-04</u> | | | | <u>FY-05</u> | | | | | | | |
|---------|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|---|---|---|--|
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | |
| Input | | | | | | | | | | | | | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 4 | 4 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | |
| Output | | | | | | | | | | | | | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 4 | 4 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | |

02/13/2004
 FY 2005 PB
 Modification Title and No: FLIR MN-8258

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: HH-60 Class P

Models of Aircraft Affected: HH-60G

Center: WRALC Robins AFB GA

PE 0207224F

Team AIR

Description/Justification

Purchases state-of-the-art Forward Looking Infrared Systems (FLIRS) to equip Combat Search and Rescue HH-60G helicopters currently without FLIRS with improved ability to navigate and to acquire/identify survivors at night. Improved imagery will provide necessary resolution to distinguish friendlies from adversaries during rescue of downed aircrews. These FLIRS will also provide the ability to detect obstacles/hazard when flying at low altitude.

Aircraft Breakdown: Active 17, Reserve 16, ANG 15, Total 48

Development Status

N/A

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|-------|--------|-------|------|-------|--------|-------|--------|-------|-------|-------|------|
| | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | | | | | | | | | | | | |
| KITS NONRECUR | | | | | | | | | | | | |
| EQUIPMENT | 17 | 13.119 | | | 13 | 12.675 | 16 | 16.224 | 2 | 2.109 | | |
| EQUIP NONREC | | | | | | 0.175 | | 0.155 | | | | |
| CHANGE ORDERS | | | | | | | | | | | | |
| DATA | | | | | | | | | | | | |
| SIM/TRAINER | | | | | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | | | | | |
| ICS | | 2.333 | | | | | | | | | | |
| TOTAL COST (BP-1100) | 17 | 15.452 | | | 13 | 12.850 | 16 | 16.379 | 2 | 2.109 | | |
| (Totals may not add due to rounding) | | | | | | | | | | | | |

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | | |
| KITS NONRECUR | | | | | | | | |
| EQUIPMENT | | | | | | | 48 | 44.127 |
| EQUIP NONREC | | | | | | | | |
| CHANGE ORDERS | | | | | | | | 0.330 |
| DATA | | | | | | | | |
| SIM/TRAINER | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | |
| ICS | | | | | | | | 2.333 |
| TOTAL COST (BP-1100) | | | | | | | | |
| (Totals may not add due to rounding) | | | | | | | 48 | 46.790 |

Method of Implementation: ORG/INTERMEDIATE

Initial Lead Time: 18 Months

Follow-On Lead Time: 12 Months

Milestones

| | <u>FY-92</u> | <u>FY-93</u> | <u>FY-94</u> | <u>FY-95</u> | <u>FY-96</u> | <u>FY-97</u> | <u>FY-98</u> | <u>FY-99</u> | <u>FY-00</u> | <u>FY-01</u> | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> | <u>FY-06</u> |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | 09/95 | | | | 12/96 | | | | | | | 06/04 | 12/04 | 12/05 |
| Delivery Date (Month/CY) | | 03/97 | | | | 12/97 | | | | | | | 06/05 | 12/05 | 12/06 |

UNCLASSIFIED
MODIFICATION OF AIRCRAFT

02/13/2004
FY 2005 PB
Modification Title and No: SERVICE LIFE EXTENSION PROGRAM MN-8560

Exhibit P3A Congressional
Appropriation: Aircraft Procurement, Air Force
CLC: HH-60 Class P

Models of Aircraft Affected: HH-60G

Center: WRALC Robins AFB GA

PE 0207224F

Team AIR

Description/Justification

The USAF has established a requirement for HH-60G helicopters to extend use as their primary Combat Search and Rescue (CSAR) helicopter through CY2015. This established the need for a Service Life Extension Program (SLEP) to assure a helicopters structural useful life of up to 35 years. In establishing a conservative SLEP up to 10,000 flight hours are assured for each aircraft. Current in Service estimates indicate the helicopter structure will become increasingly maintenance intensive at approximately 7,0000 hours of operation. This modification funds SLEP for 10 of the oldest HH-60Gs, which were procured in FY81 and FY82. Program will be executed in two phases. The first phase is the tail rotor pylon and the second phase will incorporate the remainder of areas identified to add 10,000 flight hours to the airframe. Funding for the installation of the trial install kits is paid for in the NRE lines. First tail pylon install will be in FY04. The first phase two install be FY06. With past program budget cuts, inflation cost and scope of mod increases, current funding profile will accomplish 10 tail pylon modifications and two complete aircraft SLEP modifications.

Aircraft Breakdown: Active 2, Reserve 0, ANG 0, Total 2

Development Status

N/A

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|------|
| | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | | | | | 9 | 1.082 | 1 | 1.000 | | | | |
| KITS NONRECUR | 1 | 3.121 | | | | | 1 | 6.446 | | | | |
| EQUIPMENT | | | | | | | | | | | | |
| EQUIP NONREC | | | | | | | | | | | | |
| CHANGE ORDERS | | | | | | 0.150 | | 0.381 | | 0.275 | | |
| DATA | | 0.100 | | | | 0.150 | | | | 0.125 | | |
| SIM/TRAINER | | | | | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | [2] | 2.500 | | | | |
| FLIGHT TEST | | | | | | | | | | | | |
| OGC | | 0.107 | | 0.001 | | 0.373 | | 0.375 | | 0.190 | | |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| FY-01 1 KITS | | | | | [1] | 0.100 | | | | | | |
| FY-04 9 KITS | | | | | | | [8] | 0.700 | | | | |
| FY-05 2 KITS | | | | | | | | | [2] | 1.886 | | |
| TOTAL INSTALL | | | | | 1 | 0.100 | 8 | 0.700 | 2 | 1.886 | | |
| TOTAL COST (BP-1100) | | | | | | | | | | | | |
| (Totals may not add due to rounding) | 1 | 3.328 | | 0.001 | 9 | 1.855 | 2 | 11.402 | | 2.476 | | |
| INSTALLATION QTY | 1 | | | | 2 | | 8 | | 1 | | | |

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | 10 | 2.082 |
| KITS NONRECUR EQUIPMENT | | | | | | | 2 | 9.567 |
| EQUIP NONREC | | | | | | | | 0.806 |
| CHANGE ORDERS | | | | | | | | 0.375 |
| DATA | | | | | | | | |
| SIM/TRAINER | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | [2] | 2.500 |
| FLIGHT TEST | | | | | | | | |
| OGC | | | | | | | | 1.046 |
| INSTALLATION OF HARDWARE | | | | | | | | |
| FY-01 1 KITS | | | | | | | [1] | 0.100 |
| FY-04 9 KITS | | | | | | | [8] | 0.700 |
| FY-05 2 KITS | | | | | | | [2] | 1.886 |
| TOTAL INSTALL | | | | | | | 11 | 2.686 |
| TOTAL COST (BP-1100) | | | | | | | 12 | 19.062 |
| (Totals may not add due to rounding) | | | | | | | | |
| INSTALLATION QTY | | | | | | | 12 | |

Method of Implementation: DEPOT

Initial Lead Time: 18 Months

Follow-On Lead Time: 6 Months

Milestones

| | <u>FY-00</u> | <u>FY-01</u> | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | 12/00 | | | | 12/04 |
| Delivery Date (Month/CY) | | 06/02 | | | | 06/05 |

Installation Schedule

| | <u>FY-00</u> | | | | <u>FY-01</u> | | | | <u>FY-02</u> | | | | <u>FY-03</u> | | | | <u>FY-04</u> | | | | <u>FY-05</u> | | | | <u>FY-06</u> | | | | <u>FY-07</u> | | | | |
|---------|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|---|
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | |
| Quarter | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Input | | | | | | | | 1 | | | | | | | | | 1 | 1 | 3 | 3 | 2 | | | | | 1 | | | | | | | |
| Output | | | | | | | | | 1 | | | | | | | | 1 | 1 | 3 | 3 | 2 | | | | | | | | | | | | 1 |

UNCLASSIFIED
MODIFICATION OF AIRCRAFT

02/13/2004
 FY 2005 PB
 Modification Title and No: LIGHTWEIGHT AIRBORNE RECOVERY SYSTEM V12 UPGRADE MN-8563
 Models of Aircraft Affected: HH60G

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: HH-60 Class P
 Center: PE Team

Description/Justification

This USAF has a requirement to provide an upgrade to the existing Lightweight Airborne Recovery System for the HH-60G Combat Search and Rescue (CSAR) HH-60G helicopter. The current system has limitations of only detecting PRC-112 survivor radio. This program modifies HH-60G helicopters with an AN/ARS-6 Version 12 LARS system providing the aircrew the ability detect and locate US military survival radios and emergency beacons utilized by US, NATO and Civilian personnel. The upgrade will also be compatible with the near future Combat Survivor Evader Locater (CSEL). This upgrade will enhance the aircrews ability of detecting survivors with the ability of decoding survivors precise GPS LAT/LONG, therefore enabling the aircrew to successfully accomplish the CSAR mission.

Aircraft Breakdown: Active , Reserve , ANG 11, Total 11

Development Status

None Required

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | | | | | 10 | 0.150 | | | | | | |
| KITS NONRECUR | | | | | 1 | 0.800 | | | | | | |
| EQUIPMENT | | | | | [10] | 0.600 | | | | | | |
| EQUIP NONREC | | | | | [1] | 0.060 | | | | | | |
| CHANGE ORDERS | | | | | | | | | | | | |
| DATA | | | | | | 0.250 | | | | | | |
| SIM/TRAINER | | | | | | | | | | | | |
| SUPPORT-EQUIP | | | | | | 0.050 | | | | | | |
| OGC | | | | | | 0.187 | | | | | | |
| FLIGHT TEST | | | | | | 0.200 | | | | | | |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| FY-04 11 KITS | | | | | [10] | 0.150 | | | | | | |
| TOTAL INSTALL | | | | | 10 | 0.150 | | | | | | |
| TOTAL COST (BP-1100) | | | | | 11 | 2.447 | | | | | | |
| (Totals may not add due to rounding) | | | | | | | | | | | | |
| INSTALLATION QTY | | | | | | | | | | | | |

(Continued)

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | 10 | 0.150 |
| KITS NONRECUR | | | | | | | 1 | 0.800 |
| EQUIPMENT | | | | | | | [10] | 0.600 |
| EQUIP NONREC | | | | | | | [1] | 0.060 |
| CHANGE ORDERS | | | | | | | | |
| DATA | | | | | | | | 0.250 |
| SIM/TRAINER | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | 0.050 |
| OGC | | | | | | | | 0.187 |
| FLIGHT TEST | | | | | | | | 0.200 |
| INSTALLATION OF HARDWARE | | | | | | | | |
| FY-04 11 KITS | | | | | | | [10] | 0.150 |
| TOTAL INSTALL | | | | | | | 10 | 0.150 |
| TOTAL COST (BP-1100) | | | | | | | 11 | 2.447 |
| (Totals may not add due to rounding) | | | | | | | | |
| INSTALLATION QTY | | | | | | | 11 | |

Method of Implementation: CONTRACT FIELD TEAM

Initial Lead Time: 6 Months

Follow-On Lead Time: 0 Months

Milestones

| | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> |
|--------------------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | | 11/05 |
| Delivery Date (Month/CY) | | | 05/06 |

Installation Schedule

| Quarter | <u>FY-02</u> | | | | <u>FY-03</u> | | | | <u>FY-04</u> | | | | <u>FY-05</u> | | | | <u>FY-06</u> | | | |
|---------|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Input | | | | | | | | | | | | | 1 | | 1 | 3 | 3 | 3 | | |
| Output | | | | | | | | | | | | | 1 | | 1 | 3 | 3 | 3 | | |

UNCLASSIFIED
MODIFICATION OF AIRCRAFT

02/13/2004
FY 2005 PB
Modification Title and No: 701C ENGINE AND GEARBOX UPGRADE MN-ARR
Models of Aircraft Affected: HH-60G

Exhibit P3A Congressional
Appropriation: Aircraft Procurement, Air Force
CLC: HH-60 Class P
PE 0207224F Team AIR

Center: WRALC Robins AFB GA

Description/Justification

701C Engine and Gearbox Description/Justification

This program modifies 35 pre-1990 HH-60Gs with an improved durability gearbox, rotor-brake, and T-701C engines. 13 ANG modifications were previously completed under this program but competing priorities delayed funding for Active Component aircraft until FY05. Remaining 22 aircraft will be upgraded with the new engines, improved gearbox, and rotor-brake beginning in FY05 (16 in FY05 and six in FY06). Additionally, six 1991 transition aircraft were produced with T701C engines and improved gearbox but require rotor-brake modification (all six in FY05). The funding profile allows concurrent installation at multiple locations in minimum time with minimal impact to aircraft availability. This modification increases power available by 20% providing acceptable power margins at high altitudes and in hot environments. These are the last 22 aircraft in the fleet of 104 that require this modification. Completion will standardize the fleet.

Aircraft Breakdown: Active 28, Reserve 0, ANG 13, Total 41

Development Status

N/A

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|-------|--------|-------|------|-------|------|-------|--------|-------|--------|-------|-------|
| | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | 13 | 0.182 | | | | | 17 | 13.175 | 5 | 3.875 | | |
| KITS NONRECUR | | 0.745 | | | | | | | | | | |
| EQUIPMENT | 13 | 4.870 | | | | | | | | | | |
| EQUIP NONREC | | | | | | | | | | | | |
| CHANGE ORDERS | | | | | | | | | | | | |
| DATA | | | | | | | | 0.100 | | | | 0.090 |
| SIM/TRAINER | | | | | | | | | | | | |
| SUPPORT-EQUIP | | 0.068 | | | | | | | | | | |
| ENGINE | 22 | 12.875 | | | | | [34] | 21.713 | [10] | 6.676 | | |
| OGC | | 0.913 | | | | | | 0.149 | | 0.264 | | 0.205 |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| FY-98 6 KITS | 6 | 0.706 | | | | | | | | | | |
| FY-99 7 KITS | 7 | 1.120 | | | | | | | | | | |
| FY-05 17 KITS | | | | | | | | | [17] | 2.550 | | |
| FY-06 5 KITS | | | | | | | | | | | [5] | 1.530 |
| TOTAL INSTALL | 13 | 1.826 | | | | | | | 17 | 2.550 | 5 | 1.530 |
| TOTAL COST (BP-1100) | | | | | | | | | | | | |
| (Totals may not add due to rounding) | 13 | 21.479 | | | | | 17 | 35.137 | 5 | 13.365 | | 1.825 |
| INSTALLATION QTY | 13 | | | | | | | | 17 | | 5 | |

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | 35 | 17.232 |
| KITS NONRECUR | | | | | | | | 0.745 |
| EQUIPMENT | | | | | | | [13] | 4.870 |
| EQUIP NONREC | | | | | | | | |
| CHANGE ORDERS | | | | | | | | |
| DATA | | | | | | | | 0.190 |
| SIM/TRAINER | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | 0.068 |
| ENGINE | | | | | | | [66] | 41.264 |
| OGC | | | | | | | | 1.531 |
| INSTALLATION OF HARDWARE | | | | | | | | |
| FY-98 6 KITS | | | | | | | [6] | 0.706 |
| FY-99 7 KITS | | | | | | | [7] | 1.120 |
| FY-05 17 KITS | | | | | | | [17] | 2.550 |
| FY-06 5 KITS | | | | | | | [5] | 1.530 |
| TOTAL INSTALL | | | | | | | 35 | 5.906 |
| TOTAL COST (BP-1100) | | | | | | | 35 | 71.806 |
| (Totals may not add due to rounding) | | | | | | | | |
| INSTALLATION QTY | | | | | | | 35 | |

Method of Implementation: CONTRACT FIELD TEAM

Initial Lead Time: 12 Months

Follow-On Lead Time: 12 Months

Milestones

| | <u>FY-97</u> | <u>FY-98</u> | <u>FY-99</u> | <u>FY-00</u> | <u>FY-01</u> | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> | <u>FY-06</u> |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | 09/98 | 06/99 | | | | | | 11/04 | 11/05 |
| Delivery Date (Month/CY) | | 09/99 | 06/00 | | | | | | 11/05 | 11/06 |

Installation Schedule

| | <u>FY-97</u> | | | | <u>FY-98</u> | | | | <u>FY-99</u> | | | | <u>FY-00</u> | | | | <u>FY-01</u> | | | | <u>FY-02</u> | | | | <u>FY-03</u> | | | | <u>FY-04</u> | | | |
|---------|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Quarter | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Input | | | | | | | | | | | | | 6 | 2 | 2 | 2 | 1 | | | | | | | | | | | | | | | |
| Output | | | | | | | | | | | | | 6 | 2 | 2 | 2 | 1 | | | | | | | | | | | | | | | |
| Quarter | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | |
| Input | | | | | 4 | 4 | 4 | 5 | 1 | 1 | 1 | 2 | | | | | | | | | | | | | | | | | | | | |
| Output | | | | | | 4 | 4 | 4 | 4 | 5 | 1 | 1 | 1 | 1 | 2 | | | | | | | | | | | | | | | | | |

UNCLASSIFIED
MODIFICATION OF AIRCRAFT

02/13/2004
FY 2005 PB

Modification Title and No: UPGRADE COMMUNICATIONS AND NAVIGATION/INTEGRATED E MN-T8415

Exhibit P3A Congressional
Appropriation: Aircraft Procurement, Air Force
CLC: HH-60 Class P

Models of Aircraft Affected: HH-60G

Center: WRALC Robins AFB GA

PE 0207224F

Team AIR

Description/Justification

Modifies the HH60G fleet with upgraded communications and navigation systems and integrated electronic warfare systems through a four phase sequential approach (also known as Block 152 upgrade). The HH60G Self Protection System (Mod 6590) is a prerequisite. Phase A adds SATCOM over-the-horizon communications (FY00-FY05). i486 CDU upgrade (Mod 8494) is a prerequisite to Phase B which adds HAVE CSAR for near-real-time threat/survivor awareness (FY01-FY05). Phase C provides external mounting of weapons systems (FY02-FY07). Phase D adds next generation radar warning receiver, corrects night vision goggle (NVG) interior/exterior lighting deficiencies, and adds NVG helmet mounted heads-up display (FY03-FY09). This modification corrects human factors, safety, and mission equipment deficiencies dating back to Operation DESERT STORM and significantly increases survivability. Due to the limited availability of these Low Density/High Demand aircraft, down time will be minimized by concurrent phase installations as much as possible. Installations are conducted by multiple methods (contractor facility or contractor field team) depending on phase. Initial and follow-on lead times as well as kit costs vary depending on phase and equipment complexity. See remarks section for background information regarding FY00 program restructure.

Aircraft Breakdown: Active 64, Reserve 23, ANG 18, Total 105

Development Status

Non-recurring engineering (NRE) for Block A will be completed by 4Q FY00. NRE for Block B begins FY00, completes FY01. NRE for Block C will begin FY02, complete FY03.

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------|-------|--------|-------|-------|-------|--------|-------|--------|-------|-------|-------|-------|
| | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | 156 | 2.328 | 96 | 8.903 | 50 | 7.151 | 48 | 8.450 | 48 | 8.466 | 9 | 0.255 |
| KITS NONRECUR | 4 | 17.911 | [1] | 1.200 | | | | | | | | |
| EQUIPMENT | 77 | 8.345 | [36] | 7.490 | [24] | 12.470 | [26] | 17.119 | [27] | 8.647 | [9] | 2.853 |
| EQUIP NONREC | 2 | 3.287 | [1] | 1.200 | | | | | | | | |
| CHANGE ORDERS | | 1.851 | [1] | 0.180 | | 0.433 | | 0.220 | | 0.112 | | |
| DATA | | 0.445 | | 0.960 | | 0.240 | | 0.100 | | 0.100 | | 0.089 |
| SIM/TRAINER | 3 | 2.310 | [1] | 2.080 | | 1.632 | | 0.050 | | 0.050 | | 0.017 |
| SUPPORT-EQUIP | | 0.413 | | 3.310 | | 0.050 | | 0.050 | | 0.050 | | 0.050 |
| ICS | | | | | | | | | | | | |
| OGC | | 2.566 | | 1.656 | | 1.081 | | 0.694 | | 0.900 | | 0.429 |
| FLIGHT TEST | | 4.023 | | 0.340 | | 0.200 | | 0.050 | | 0.050 | | 0.050 |

Projected Financial Plan Continued

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| FY-00 | 23 | 0.600 | | | | | | | | | | |
| FY-01 | 42 | 0.800 | | | | | | | | | | |
| FY-02 | 91 | | [91] | 1.340 | | | | | | | | |
| FY-03 | 96 | | | | [96] | 1.577 | | | | | | |
| FY-04 | 50 | | | | | | [50] | 0.907 | | | | |
| FY-05 | 48 | | | | | | | | [48] | 0.958 | | |
| FY-06 | 48 | | | | | | | | | | [48] | 1.012 |
| FY-07 | 9 | | | | | | | | | | | |
| FY-08 | 6 | | | | | | | | | | | |
| FY-09 | 3 | | | | | | | | | | | |
| TOTAL INSTALL | 65 | 1.400 | 91 | 1.340 | 96 | 1.577 | 50 | 0.907 | 48 | 0.958 | 48 | 1.012 |
| TOTAL COST (BP-1100) | | | | | | | | | | | | |
| (Totals may not add due to rounding) | 156 | 44.879 | 96 | 28.659 | 50 | 24.834 | 48 | 27.640 | 48 | 19.333 | 9 | 4.755 |
| INSTALLATION QTY | 65 | | 91 | | 96 | | 50 | | 48 | | 48 | |

(Continued)

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | 6 | 0.173 | 3 | 0.088 | | | 416 | 35.814 |
| KITS NONRECUR | | | | | | | [5] | 19.111 |
| EQUIPMENT | [6] | 3.500 | [3] | 0.989 | | | [199] | 61.413 |
| EQUIP NONREC | | | | | | | [3] | 4.487 |
| CHANGE ORDERS | | | | | | | [1] | 2.796 |
| DATA | | | | | | | | 1.934 |
| SIM/TRAINER | | 0.057 | | | | | [4] | 6.196 |
| SUPPORT-EQUIP | | | | | | | | 3.923 |
| ICS | | | | | | | | |
| OGC | | 0.472 | | 0.208 | | | | 8.006 |
| FLIGHT TEST | | | | | | | | 4.713 |
| INSTALLATION OF HARDWARE | | | | | | | | |
| FY-00 23 KITS | | | | | | | [23] | 0.600 |
| FY-01 42 KITS | | | | | | | [42] | 0.800 |
| FY-02 91 KITS | | | | | | | [91] | 1.340 |
| FY-03 96 KITS | | | | | | | [96] | 1.577 |
| FY-04 50 KITS | | | | | | | [50] | 0.907 |
| FY-05 48 KITS | | | | | | | [48] | 0.958 |
| FY-06 48 KITS | | | | | | | [48] | 1.012 |
| FY-07 9 KITS | [9] | 0.312 | | | | | [9] | 0.312 |
| FY-08 6 KITS | | | [6] | 0.213 | | | [6] | 0.213 |
| FY-09 3 KITS | | | [3] | 0.105 | | | [3] | 0.105 |
| TOTAL INSTALL | 9 | 0.312 | 9 | 0.318 | | | 416 | 7.824 |
| TOTAL COST (BP-1100) | | | | | | | | |
| (Totals may not add due to rounding) | 6 | 4.514 | 3 | 1.603 | | | 416 | 156.217 |
| INSTALLATION QTY | 9 | | 9 | | | | 416 | |

Method of Implementation: CONTRACTOR FACILITY

Initial Lead Time: 24 Months

Follow-On Lead Time: 12 Months

Milestones

| | <u>FY-97</u> | <u>FY-98</u> | <u>FY-99</u> | <u>FY-00</u> | <u>FY-01</u> | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> | <u>FY-06</u> | <u>FY-07</u> | <u>FY-08</u> | <u>FY-09</u> |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | 09/98 | 03/99 | 05/00 | 10/00 | 10/01 | 10/02 | 10/02 | 10/03 | 10/04 | 10/05 | 10/06 | 10/07 | 10/08 |
| Delivery Date (Month/CY) | 09/00 | 03/00 | 05/01 | 10/01 | 10/02 | 10/02 | 10/03 | 10/04 | 10/05 | 10/06 | 10/07 | 10/08 | 10/09 |

Installation Schedule

| | <u>FY-97</u> | | | | <u>FY-98</u> | | | | <u>FY-99</u> | | | | <u>FY-00</u> | | | | <u>FY-01</u> | | | | <u>FY-02</u> | | | | <u>FY-03</u> | | | | <u>FY-04</u> | | | | | | | | | | | |
|---------|--------------|----|----|----|--------------|----|----|----|--------------|----|----|----|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|---|---|---|---|--|--|--|--|
| Quarter | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | |
| Input | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Output | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quarter | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | |
| Input | 13 | 13 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 3 | 2 | 2 | 2 | 5 | 4 | | | | | | | | | | | | | | | | | | | | | |
| Output | 24 | 13 | 13 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 3 | 2 | 2 | 2 | 5 | 4 | | | | | | | | | | | | | | | | | | | | | | |

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UNCLASSIFIED

| BUDGET ITEM JUSTIFICATION (EXHIBIT P-40) | | | | | | | DATE February 2004 |
|--|----------|----------|----------|------------------------------|-----------|-----------|-----------------------|
| APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT-AIR FORCE/AIRCRAFT Modifications | | | | P-1 ITEM NOMENCLATURE: OTHER | | | |
| | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 |
| COST (In Mil) | \$51.113 | \$69.189 | \$83.401 | \$116.838 | \$466.421 | \$559.434 | \$699.333 |

This line item funds modifications that apply to multiple weapon systems and weapon systems funded at less than \$2 million per year. The overall goal of the modifications budgeted in FY05 is to enhance capability and improve reliability and maintainability. The primary modifications budgeted in FY05, UHF SATCOM Upgrade. Other modifications budgeted and programmed are listed shown below.

| CLASS | MOD NR | MODIFICATION TITLE | FY-03 | FY-04 | FY-05 | FY-06 | FY-07 | FY-08 | FY-09 | COST TO GO | TOTAL PROG |
|--------------------------|--------|--------------------------------|-------|-------|-------|-------|-------|-------|-------|------------|------------|
| P | _9783 | Link-16 Support and Sustainmen | | | 6.6 | 3.0 | 2.7 | | 9.5 | | 21.7 |
| | 4501 | EHF SATCOM | | | | 6.0 | 64.4 | 96.2 | 130.6 | 56.3 | 739.7 |
| | 8600 | MISSILE LAUNCHER MODIFIC | 0.5 | 0.5 | | | | | | | 1.6 |
| | 8666 | PRECISION ATTACK SYSTEM | 19.6 | 25.2 | 14.5 | 0.8 | 0.8 | 0.8 | 0.8 | | 84.4 |
| | 8730 | ROLL-ON BEYOND LINE-OF-SI | | | 15.7 | 18.3 | 52.8 | 29.6 | 24.8 | | 141.1 |
| | 9860 | JOINT TACTICAL RADIO SYST | | | | 69.8 | 283.4 | 375.4 | 440.0 | | 1,168.5 |
| | STNGR7 | F-16 STING R7 POD UPGRAD | | | 13.6 | 15.7 | 5.1 | | | | 57.9 |
| | T8137 | UHF SATCOM UPGRADE | 30.4 | 33.4 | 27.0 | 2.1 | 0.9 | | | | 356.2 |
| | TC100 | TRANSFORMATION COMM | | | | | 55.5 | 56.8 | 93.0 | 298.6 | 3,186.3 |
| TOTAL FOR CLASS P | | | 50.5 | 59.0 | 77.4 | 115.6 | 465.5 | 558.8 | 698.7 | 354.9 | 5,757.4 |
| | 14212B | SUPPORT EQUIPMENT UPGR | 0.1 | 0.1 | | | | | | | 0.6 |
| | 8727 | MH-53 IFF APX-118 | | 3.9 | | | | | | | 10.6 |
| | 8728 | DEPOT MAINTENANCE (NON-I | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | | 1.8 |
| | 99999A | LOW COST SAFETY MODIFIC | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | | 1.8 |
| | 99999J | MISCELLANEOUS LOW COST | 0.1 | 0.2 | 0.2 | 0.2 | | | | | 3.8 |
| | 99999X | LOW COST MODIFICATIONS | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | | 5.8 |
| | CMWS | COMMON MISSILE WARNING | 0.1 | 0.1 | 0.2 | 0.2 | 0.3 | | | | 1.0 |

Totals may not add due to rounding.

| | | |
|--|-------------------------------|---------------|
| | P-1 SHOPP LIST ITEM NO. 57 | PAGE NO. 1 |
|--|-------------------------------|---------------|

UNCLASSIFIED

| BUDGET ITEM JUSTIFICATION (EXHIBIT P-40) | | | | | | | DATE February 2004 |
|--|----------|----------|----------|------------------------------|-----------|-----------|-----------------------|
| APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT-AIR FORCE/AIRCRAFT Modifications | | | | P-1 ITEM NOMENCLATURE: OTHER | | | |
| | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 |
| COST (In Mil) | \$51.113 | \$69.189 | \$83.401 | \$116.838 | \$466.421 | \$559.434 | \$699.333 |

This line item funds modifications that apply to multiple weapon systems and weapon systems funded at less than \$2 million per year. The overall goal of the modifications budgeted in FY05 is to enhance capability and improve reliability and maintainability. The primary modifications budgeted in FY05, UHF SATCOM Upgrade. Other modifications budgeted and programmed are listed shown below.

| <u>CLASS</u> | <u>MOD NR</u> | <u>MODIFICATION TITLE</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> | <u>FY-06</u> | <u>FY-07</u> | <u>FY-08</u> | <u>FY-09</u> | <u>COST TO GO</u> | <u>TOTAL PROG</u> |
|--------------------------------------|---------------|---------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------------|-------------------|
| | E900 | E-9A TELEMETRY SYSTEM UP | | 5.5 | 5.1 | 0.3 | 0.1 | 0.1 | 0.1 | | 11.2 |
| TOTAL FOR CLASS | | | 0.8 | 10.4 | 6.1 | 1.3 | 1.0 | 0.7 | 0.7 | 0.0 | 36.7 |
| TOTAL FOR WEAPON SYSTEM OTHER | | | 51.3 | 69.5 | 83.5 | 116.9 | 466.5 | 559.4 | 699.3 | 354.9 | 5,794.0 |

Totals may not add due to rounding.

| | | | |
|--|-------------------------------|---------------|--|
| | P-1 SHOPP LIST ITEM NO. 57 | PAGE NO. 2 | |
|--|-------------------------------|---------------|--|

02/13/2004
 FY 2005 PB
 Modification Title and No: Link-16 Support and Sustainment MN_9783

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: OTHER Class P

Models of Aircraft Affected: KC-135

Center: ESC - Hanscom AFB, MA

PE 0207434F

Team LOG

Description/Justification

Tactical Data Links (TDL) are used in a combat environment to exchange information such as messages, data, radar tracks, target information, platform status, imagery, and command assignments. TDLs provide interoperability, local and global connectivity, and situational awareness to the user when operating under rapidly changing operational conditions. TDLs are used by the Air Force, Army, Navy and Marine Corps theater Command and Control (C2) elements, weapons platforms, and sensors.

Roll-on Beyond Line-of-Sight Enhancement (ROBE): ROBE is in a family of Scalable, Multi-function, Automated Relay Terminals (SMART) with the primary objective of connecting battle directors in the Air and Space Operations Center (AOC) to the multi tactical data link network participants in-theater or en route to the fight wherever it may be. In addition, tactical information is forwarded via ROBE to provide the KC-135 equipped crews with Situational Awareness data. ROBE funding will be used to purchase additional "B" kits for previously "A" kit-modified aircraft.

TDL Link Support Facility (LSF): The Link Support Facility (LSF), 46 TS is the Data Test Facility for the TDL SPO comprised of equipment & manpower for TDL interoperability testing, operational support, & deficiency resolution. In order to equip this facility with the leading edge technology Hardware and Software Upgrades (e.g., terminals, other radios, antennas, s/w, etc.) are required in the interoperability testing labs and TDL Support Vehicles. FY06, FY07, and FY09 support equipment funds will provide technology refreshment and hardware upgrades to this facility.

Aircraft Breakdown: Active 18, Reserve 0, ANG 0, Total 18

Development Status

ROBE Kits were developed using Defense Emergency Relief Funds (DERF). All development activities to support KC-135 integration are complete. Using DERF Funds, 40 KC-135's were modified with Group A hardware and 20 Group B "Roll-on/Roll-off" kits were purchased.

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|-------|------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|
| | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST |
| RDT&E (3600) | | | | | | | | 5.500 | | 1.462 | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | | | | | | | | | | | | |
| KITS NONRECUR | | | | | | | | | | | | |
| EQUIPMENT | | | | | | | 11 | 6.600 | 3 | 2.380 | 4 | 2.383 |
| EQUIP NONREC | | | | | | | | | | | | |
| CHANGE ORDERS | | | | | | | | | | | | |
| DATA | | | | | | | | | | | | |
| SIM/TRAINER | | | | | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | | | 0.600 | | 0.300 |
| TOTAL COST (BP-1100) | | | | | | | | | | | | |
| (Totals may not add due to rounding) | | | | | | | 11 | 6.600 | 3 | 2.980 | 4 | 2.683 |

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | 6.962 |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | | |
| KITS NONRECUR | | | | | | | | |
| EQUIPMENT | | | | | | | 18 | 11.363 |
| EQUIP NONREC | | | | | | | | |
| CHANGE ORDERS | | | | | | | | |
| DATA | | | | | | | | |
| SIM/TRAINER | | | | | | | | |
| SUPPORT-EQUIP | | | | 9.486 | | | | 10.386 |
| TOTAL COST (BP-1100) | | | | 9.486 | | | 18 | 21.749 |
| (Totals may not add due to rounding) | | | | 9.486 | | | 18 | 21.749 |

Method of Implementation:

Initial Lead Time: 4 Months

Follow-On Lead Time: 5 Months

Milestones

| | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> | <u>FY-06</u> | <u>FY-07</u> |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | | | 02/05 | 10/05 | 10/06 |
| Delivery Date (Month/CY) | | | | 06/05 | 03/06 | 03/07 |

UNCLASSIFIED
MODIFICATION OF AIRCRAFT

02/13/2004
FY 2005 PB

Modification Title and No: PRECISION ATTACK SYSTEMS PROCUREMENT MN-8666

Exhibit P3A Congressional
Appropriation: Aircraft Procurement, Air Force
CLC: OTHER Class P

Models of Aircraft Affected: F-15E & F-16C/D

Center: WRALC Robins AFB GA

PE 0207249F Team POWER

Description/Justification

This program will upgrade aging support equipment used for maintenance of Low Altitude Navigation and Targeting Infrared for Night (LANTIRN) pods. The targeting pod is the core of the Combat Air Forces (CAF) precision guided munitions (PGM) capability, the heart of F-15E and F-16Blk40 operations. The mission capable rates of the pods is directly related to the support equipment availability. Utilizing early 1980's technology, the equipment is in serious decline with excessive down-time due to obsolete parts and decreasing repair capability. The Support Equipment Mid-Life Upgrade (MLU) will replace obsolete parts with commercial off-the-shelf components, increase throughput by 70 percent, and provide for an AEF-tailored rapid deployment capability. Due to the urgency of need for improved I-level pod testing capability and to met AEF deployment requirements, the Program Management Team, System Program Director, and ACC designed the acquisition strategy to acquire deployable pod testing components of this modification prior to obtaining the upgrades to the Line Replaceable Units (LRUs) test sets.

Aircraft Breakdown: Active 48, Reserve 0, ANG 5, Total 53

Development Status

Development for the deployable pod testing components is complete. The deployable pod testing components are in Acquisition Phase III, Production, Fielding/Deployment & Operations Support. Development for the Line Replaceable Units (LRUs) testing components is on schedule to complete in Mar 04. The LRU testing components are in Acquisition Phase II, Engineering & Manufacturing Development (EMD).

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|-------|--------|-------|--------|-------|--------|-------|--------|-------|-------|-------|-------|
| | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST |
| RDT&E (3600) | | 7.171 | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | 10 | 21.891 | 11 | 19.590 | 17 | 25.157 | 15 | 14.507 | | | | |
| KITS NONRECUR | | | | | | | | | | | | |
| EQUIPMENT | | | | | | | | | | | | |
| EQUIP NONREC | | | | | | | | | | | | |
| CHANGE ORDERS | | | | | | | | | | | | |
| DATA | | | | | | | | | 0.776 | | 0.795 | |
| SIM/TRAINER | | | | | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | | | | | |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| FY-01 3 KITS | | | [3] | | | | | | | | | |
| FY-02 7 KITS | | | [7] | | | | | | | | | |
| FY-03 11 KITS | | | [2] | | [9] | | | | | | | |
| FY-04 17 KITS | | | | | [6] | | [11] | | | | | |
| FY-05 15 KITS | | | | | | | [5] | | [10] | | | |
| TOTAL INSTALL | | | 12 | | 15 | | 16 | | 10 | | | |
| TOTAL COST (BP-1100) | | | | | | | | | | | | |
| (Totals may not add due to rounding) | 10 | 21.891 | 11 | 19.590 | 17 | 25.157 | 15 | 14.507 | | 0.776 | | 0.795 |
| INSTALLATION QTY | | | 12 | | 15 | | 16 | | 10 | | | |

Fact Sheet: OTHER MN-8666 PRECISION ATTACK SYSTEMS PROCUREMENT
(Continued)

(Continued)

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | 7.171 |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | 53 | 81.145 |
| KITS NONRECUR | | | | | | | | |
| EQUIPMENT | | | | | | | | |
| EQUIP NONREC | | | | | | | | |
| CHANGE ORDERS | | | | | | | | |
| DATA | | 0.818 | | 0.834 | | | | 3.223 |
| SIM/TRAINER | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | |
| INSTALLATION OF HARDWARE | | | | | | | | |
| FY-01 | 3 | | KITS | | | | [3] | |
| FY-02 | 7 | | KITS | | | | [7] | |
| FY-03 | 11 | | KITS | | | | [11] | |
| FY-04 | 17 | | KITS | | | | [17] | |
| FY-05 | 15 | | KITS | | | | [15] | |
| TOTAL INSTALL | | | | | | | 53 | |
| TOTAL COST (BP-1100) | | 0.818 | | 0.834 | | | 53 | 84.368 |
| (Totals may not add due to rounding) | | | | | | | | |
| INSTALLATION QTY | | | | | | | 53 | |

Method of Implementation: DEPOT/FIELD TEAM

Initial Lead Time: 15 Months

Follow-On Lead Time: 9 Months

Milestones

| | <u>FY-00</u> | <u>FY-01</u> | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | 09/01 | 05/02 | 11/02 | 10/03 | 11/04 | |
| Delivery Date (Month/CY) | 12/02 | 02/03 | 08/03 | 07/04 | 08/05 | |

Installation Schedule

| | <u>FY-00</u> | | | | <u>FY-01</u> | | | | <u>FY-02</u> | | | | <u>FY-03</u> | | | | <u>FY-04</u> | | | | <u>FY-05</u> | | | | <u>FY-06</u> | | | |
|--------|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Input | | | | | | | | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 6 | 6 | 4 | 3 | 3 | 3 | 3 | 3 |
| Output | | | | | | | | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 6 | 6 | 4 | 3 | 3 | 3 | 3 | 3 |

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

02/13/2004
 FY 2005 PB
 Modification Title and No: MH-53 IFF APX-118 MN-8727

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: OTHER Class

Models of Aircraft Affected: MH-53J/M

Center:

PE

Team

Description/Justification

The MH-53J/M is the sole remaining user of the (APX-64) the oldest IFF in the Air Force. The APX-64 does not meet the FY03 Global Air Traffic Management (GATM) requirements for Eastern Europe. In order for the MH-53 to continue operations in both high threat and dense air operations environments, the APX-64 must be replaced with a modern, interoperable, off the shelf system, APX-118.

Aircraft Breakdown: Active 36, Reserve 0, ANG 0, Total 36

Development Status

The APX-118 is a modern, off the shelf system, Air Force common system.

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|-------|------|-------|------|-------|-------|-------|------|-------|------|-------|------|
| | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | | | | | 35 | 0.948 | | | | | | |
| KITS NONRECUR | | | | | 1 | 0.189 | | | | | | |
| EQUIPMENT | | | | | [35] | 1.700 | | | | | | |
| EQUIP NONREC | | | | | [1] | 0.189 | | | | | | |
| CHANGE ORDERS | | | | | | 0.141 | | | | | | |
| DATA | | | | | | 0.100 | | | | | | |
| SIM/TRAINER | | | | | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | | | | | |
| OGC | | | | | | 0.050 | | | | | | |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| FY-04 36 KITS | | | | | [36] | 0.570 | | | | | | |
| TOTAL INSTALL | | | | | 36 | 0.570 | | | | | | |
| TOTAL COST (BP-1100) | | | | | 36 | 3.887 | | | | | | |
| (Totals may not add due to rounding) | | | | | | | | | | | | |
| INSTALLATION QTY | | | | | | | | | | | | |

(Continued)

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | 35 | 0.948 |
| KITS NONRECUR | | | | | | | 1 | 0.189 |
| EQUIPMENT | | | | | | | [35] | 1.700 |
| EQUIP NONREC | | | | | | | [1] | 0.189 |
| CHANGE ORDERS | | | | | | | | 0.141 |
| DATA | | | | | | | | 0.100 |
| SIM/TRAINER | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | |
| OGC | | | | | | | | 0.050 |
| INSTALLATION OF HARDWARE | | | | | | | | |
| FY-04 36 KITS | | | | | | | [36] | 0.570 |
| TOTAL INSTALL | | | | | | | 36 | 0.570 |
| TOTAL COST (BP-1100) | | | | | | | 36 | 3.887 |
| (Totals may not add due to rounding) | | | | | | | | |
| INSTALLATION QTY | | | | | | | 36 | |

Method of Implementation: DEPOT/FIELD TEAM

Initial Lead Time: 12 Months

Follow-On Lead Time: 0 Months

Milestones

| | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> |
|--------------------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | | 02/04 |
| Delivery Date (Month/CY) | | | 02/05 |

Installation Schedule

| Quarter | <u>FY-02</u> | | | | <u>FY-03</u> | | | | <u>FY-04</u> | | | | <u>FY-05</u> | | | | <u>FY-06</u> | | | | <u>FY-07</u> | | | |
|---------|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Input | | | | | | | | | | | | | | 1 | | | | 1 | 6 | 6 | 6 | 6 | 5 | 5 |
| Output | | | | | | | | | | | | | 1 | | | | 1 | 6 | 6 | 6 | 6 | 6 | 5 | 5 |

UNCLASSIFIED
MODIFICATION OF AIRCRAFT

02/13/2004
FY 2005 PB

Modification Title and No: ROLL-ON BEYOND LINE-OF-SIGHT ENHANCEMENT MN-8730

Exhibit P3A Congressional
Appropriation: Aircraft Procurement, Air Force
CLC: OTHER Class P

Models of Aircraft Affected: KC-135, KC-10

Center: Unassigned

PE 0401839F

Team AIR

Description/Justification

Develop, procure, and install combined Link 16, Beyond Line-of-Sight (BLOS) Tactical Data Information Link Joint (TADIL J), and gateway growth potential for Roll-on BLOS Enhancement (ROBE) and Multi-Mission Payload (MMP) aircraft. ROBE is to be installed on KC-135 (76) and KC-10 (30) aircraft to provide enhanced situational awareness and connectivity for the air and ground environment.

Aircraft Breakdown: Active 106, Reserve 0, ANG 0, Total 106

Development Status

Non-recurring engineering to begin in FY07 for MMP Aircrafts (KC-135, KC-10)

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|-------|------|-------|------|-------|------|-------|--------|-------|--------|-------|--------|
| | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | | | | | | | 22 | 1.264 | 24 | 1.379 | 20 | 3.200 |
| KITS NONRECUR | | | | | | | | | | | | |
| EQUIPMENT | | | | | | | [22] | 14.417 | [24] | 16.899 | [20] | 49.567 |
| EQUIP NONREC | | | | | | | | | | | | |
| CHANGE ORDERS | | | | | | | | | | | | |
| DATA | | | | | | | | | | | | |
| SIM/TRAINER | | | | | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | | | | | |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| FY-05 22 KITS | | | | | | | | | | | | |
| FY-06 24 KITS | | | | | | | | | | | | |
| FY-07 20 KITS | | | | | | | | | | | | |
| FY-08 20 KITS | | | | | | | | | | | | |
| FY-09 20 KITS | | | | | | | | | | | | |
| TOTAL INSTALL | | | | | | | | | | | | |
| TOTAL COST (BP-1100) | | | | | | | 22 | 15.681 | 24 | 18.278 | 20 | 52.767 |
| (Totals may not add due to rounding) | | | | | | | | | | | | |
| INSTALLATION QTY | | | | | | | | | 22 | | 24 | |

UNCLASSIFIED
MODIFICATION OF AIRCRAFT

02/13/2004
FY 2005 PB
Modification Title and No: E-9A TELEMETRY SYSTEM UPGRADE MN-E900

Exhibit P3A Congressional
Appropriation: Aircraft Procurement, Air Force
CLC: OTHER Class

Models of Aircraft Affected: E-9A

Center:

PE

Team

Description/Justification

This modification is to upgrade the antiquated and unsupported telemetry system currently installed in the E-9A. Failure of any of the single-point failure items installed in the telemetry system would hinder the E-9A's ability to support low-altitude AMRAAM, Tomahawk, Sea Harrier shots. Upgrade will insure support for future systems such as Advanced Standoff Missile, Next Generation Target Control System, F-22, other services, etc.

Aircraft Breakdown: Active 2, Reserve 0, ANG 0, Total 2

Development Status

N/A.

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | | | | | 1 | 5.532 | 1 | 5.054 | | | | |
| KITS NONRECUR | | | | | | | | | | | | |
| EQUIPMENT | | | | | | | | | | | | |
| EQUIP NONREC | | | | | | | | | | | | |
| CHANGE ORDERS | | | | | | | | | | | | |
| DATA | | | | | | | | | | | | |
| SIM/TRAINER | | | | | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | | | | | |
| MISC | | | | | | | | | | 0.265 | | 0.124 |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| FY-04 1 KITS | | | | | | | | | | | | |
| FY-05 1 KITS | | | | | | | | | | | | |
| TOTAL INSTALL | | | | | | | | | | | | |
| TOTAL COST (BP-1100) | | | | | | | | | | | | |
| (Totals may not add due to rounding) | | | | | 1 | 5.532 | 1 | 5.054 | | 0.265 | | 0.124 |
| INSTALLATION QTY | | | | | | | | | | | | |

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | 2 | 10.586 |
| KITS NONRECUR | | | | | | | | |
| EQUIPMENT | | | | | | | | |
| EQUIP NONREC | | | | | | | | |
| CHANGE ORDERS | | | | | | | | |
| DATA | | | | | | | | |
| SIM/TRAINER | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | |
| MISC | | 0.126 | | 0.129 | | | | 0.644 |
| INSTALLATION OF HARDWARE | | | | | | | | |
| FY-04 | | | 1 | | | | | |
| KITS | | | | | | | | |
| FY-05 | | | 1 | | | | | |
| KITS | | | | | | | | |
| TOTAL INSTALL | | | | | | | | |
| TOTAL COST (BP-1100) | | | | | | | 2 | 11.230 |
| (Totals may not add due to rounding) | | 0.126 | | 0.129 | | | | |
| INSTALLATION QTY | | | | | | | | |

Method of Implementation: DEPOT

Initial Lead Time: 9 Months

Follow-On Lead Time: 9 Months

Milestones

| | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> |
|--------------------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | | 12/03 | 12/04 |
| Delivery Date (Month/CY) | | | 09/04 | 09/05 |

Installation Schedule

| | <u>FY-02</u> | | | | <u>FY-03</u> | | | | <u>FY-04</u> | | | | <u>FY-05</u> | | | | <u>FY-06</u> | | | | <u>FY-07</u> | | | | <u>FY-08</u> | | | | <u>FY-09</u> | | | | | | | |
|---------|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|---|---|---|---|
| Quarter | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Input | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Output | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quarter | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Input | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Output | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

UNCLASSIFIED
MODIFICATION OF AIRCRAFT

02/13/2004
FY 2005 PB
Modification Title and No: F-16 STING R7 POD UPGRADE MN-STNGR7

Exhibit P3A Congressional
Appropriation: Aircraft Procurement, Air Force
CLC: OTHER Class P

Models of Aircraft Affected: MULTI (F-16)

Center: AAC Eglin AFB

PE 0207136F

Team AIR

Description/Justification

The AN/ASQ-213 Pod, a High Speed Anti-Radiation Missile (HARM) Targeting System (HTS), senses enemy radar emissions and provides targeting information for the F-16 Block 50/52. The F-16 HTS provides the only USAF reactive Suppression of Enemy Air Defenses (SEAD) capability. Enemy Integrated Air Defenses Systems (IADS) are constantly evolving and becoming more mobile and difficult to target. This mobility, along with evolving IADS operational tactics, makes Destruction of Enemy Air Defenses (DEAD) a critical AF mission. While the HARM missile is an effective SEAD weapon, the capability for time critical targeting enabling employment of precision guided munitions (PGMs) is needed to ensure timely destruction of these targets. This modification upgrades the AN/ASQ-213 Pod from HTS Revision 6 (R6) to R7 providing precision targeting capability. To better describe PGM and HARM targeting capability, the HTS R7 upgrade has been renamed STING (Smart Targeting and Identification via Networked Geolocation) (R7). STING (R7) upgrade provides precision geolocation targeting accuracy improvements needed to employ PGMs against enemy IADS and facilitates simultaneous carriage of a STING (R7) Pod and a Sniper Pod (previously listed Advance Targeting Pod (ATP)) on the F-16. Modification of all 132 pods to the R6 configuration was completed Dec 01. An additional 77 R6 pods have been procured. Current program funding retrofits 170 pods. A total of 207 pods will require modification to STING (R7) configuration in FY06-FY08 (207 vs original 209 -- two pods lost to attrition).

Aircraft Breakdown: Active 207, Reserve 0, ANG 0, Total 207

Development Status

HTS is operational on the F-16. This upgrade is part of a preplanned product improvements (P3I) program. A Program Definition and Risk Reduction (PDRR) study was awarded in FY00. The results of the study defined STING (R7) technical, schedule, and cost requirements. System Development and Demonstration (SDD) was awarded February 2001. STING (R7) will build on earlier HTS upgrades to improve performance, reduce support cost and extend service life. The key focus of STING (R7) SDD will be to provide a precision geolocation targeting capability needed for DEAD using PGMs. Engineering changes also allow simultaneous carriage of STING (R7) and a Sniper Pod (an advanced targeting pod). Modifications will include hardware and software changes to HTS pod fleet and is planned for fielding in FY06-08.

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|-------|
| | QTY | COST | QTY | COST |
| RDT&E (3600) | | 37.446 | | 21.821 | | 20.458 | | 16.976 | | 12.268 | | 0.499 |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | | | | | | | | | | | | |
| KITS NONRECUR | | | | | | | | | | | | |
| EQUIPMENT | | | | | | | 85 | 11.100 | 85 | 11.192 | | |
| EQUIP NONREC | | | | | | | | 1.159 | | | | |
| CHANGE ORDERS | | | | | | | | | | | | |
| DATA | | | | | | | | | | | | |
| SIM/TRAINER | | | | | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | | | | | |
| TEST ASSETS | | | | | | | | | | | | |
| SPARES | | | | | | | | 1.375 | | | | |
| OTHER | | | | | | | | | | | | |

Projected Financial Plan Continued

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| FY-05 | | | | 85 KITS | | | | | [85] | 4.500 | | |
| FY-06 | | | | 85 KITS | | | | | | | [85] | 5.089 |
| TOTAL INSTALL | | | | | | | | | 85 | 4.500 | 85 | 5.089 |
| TOTAL COST (BP-1100) | | | | | | | 85 | 13.634 | 85 | 15.692 | | 5.089 |
| (Totals may not add due to rounding) | | | | | | | | | | | | |
| INSTALLATION QTY | | | | | | | | | 85 | | 85 | |

Fact Sheet: OTHER MN-STNGR7 F-16 STING R7 POD UPGRADE
(Continued)

(Continued)

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | 109.468 |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | | |
| KITS NONRECUR | | | | | | | | |
| EQUIPMENT | | | | | | | 170 | 22.292 |
| EQUIP NONREC | | | | | | | | 1.159 |
| CHANGE ORDERS | | | | | | | | |
| DATA | | | | | | | | |
| SIM/TRAINER | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | |
| TEST ASSETS | | | | | | | | |
| SPARES | | | | | | | | 1.375 |
| OTHER | | | | | | | | |
| INSTALLATION OF HARDWARE | | | | | | | | |
| FY-05 | 85 | KITS | | | | | [85] | 4.500 |
| FY-06 | 85 | KITS | | | | | [85] | 5.089 |
| TOTAL INSTALL | | | | | | | 170 | 9.589 |
| TOTAL COST (BP-1100) | | | | | | | 170 | 34.415 |
| (Totals may not add due to rounding) | | | | | | | | |
| INSTALLATION QTY | | | | | | | 170 | |

Method of Implementation: CONTRACTOR FACILITY

Initial Lead Time: 18 Months

Follow-On Lead Time: 18 Months

Milestones

| | <u>FY-99</u> | <u>FY-00</u> | <u>FY-01</u> | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> | <u>FY-06</u> |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | | | | | | 12/04 | 11/05 |
| Delivery Date (Month/CY) | | | | | | | 06/06 | 05/07 |

Installation Schedule

| | <u>FY-99</u> | | | | <u>FY-00</u> | | | | <u>FY-01</u> | | | | <u>FY-02</u> | | | | <u>FY-03</u> | | | | <u>FY-04</u> | | | | <u>FY-05</u> | | | | <u>FY-06</u> | | | |
|---------|--------------|----|----|----|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|----|----|---|
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Quarter | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Input | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Output | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 13 | 32 | 40 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 13 | 32 | | |
| Quarter | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Input | 29 | 22 | 20 | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Output | 40 | 29 | 22 | 20 | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | |

02/13/2004
 FY 2005 PB
 Modification Title and No: UHF SATCOM UPGRADE MN-T8137

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: OTHER Class P

Models of Aircraft Affected: MULTI

Center: ESC - Hanscom AFB, MA

PE 0303601F Team SPACE

Description/Justification

This effort acquires and installs modernized UHF satellite communications (SATCOM) terminals with embedded Demand-Assigned Multiple Access (DAMA) channel-sharing capabilities and Advanced Narrowband Digital Voice Terminal (ANDVT) interoperability to comply with Joint Staff mandates. FY96-FY99 funds acquired and installed Air Force Special Operations Command (AFSOC) Terminals AC-130, EC-130, MC-130, and MH-53 aircraft, with some installation kits/costs supported by other funding lines. FY98-FY05 funds acquire and install Airborne Integrated Terminals (AIT) for aircraft including the B-2, E-3, E-8, EC-130E, EC-130H, HC-130, RC-135S, RC-135U, RC-135V/W, TC-135S/W, and WC-135. All B-2 AIT install kits are funded in B-2 MN-T8137, 'UHF SATCOM Upgrade'. Funding for B-2 platform-specific equipment and installations are included below (FY02 \$2.0M, FY03 \$1.5M, FY04 \$10.0M, FY05 \$2.0M). MILSATCOM Terminals contribution to the B-2 MN-TN8137 are \$9.158M in FY01 and \$10.895M in FY02. Some E-3 AIT equipment and install kits/cost are supported by E-3 MN-T8135, 'SATCOM DAMA'. These costs and quantities are not included below. Install kit costs vary by aircraft due to variations in integration complexity and electronic and physical environments. Kit nonrecurring costs appear in multiple fiscal years due to initiation of production for different platform types in different years. FY00-FY05 equipment requires contractor/depot installation. Equipment quantities do not equal install kit quantities because some platforms install multiple terminals with one install kit - the exhibit has been changed to reflect this accurately. Milestones listed reflect contract awards for AFSOC in FY96-FY97 and for AIT in FY98 forward; the initial lead time shown refers to that for AIT.

NOTE: Deltas in quantities of kits purchased and kits installed are due to cost sharing with platforms. In some cases (i.e. B-2) installation kits may be self funded and in others (i.e. E-3) the installations may be self funded.

NOTE: Increase in FY05 Equipment costs are due to the estimated per unit cost increase based on contract negotiations for FY05 buys.

Aircraft Breakdown: Active 160, Reserve 0, ANG 0, Total 160

Development Status

FY03 Funding for platform integration.

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------|-------|--------|-------|--------|-------|-------|-------|--------|-------|-------|-------|-------|
| | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST |
| RDT&E (3600) | | | | 6.500 | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | 116 | 11.691 | 16 | 7.413 | 14 | 7.017 | 10 | 10.884 | | | | |
| KITS NONRECUR | | 42.715 | | 10.284 | | 5.888 | | 4.703 | | 1.426 | | 0.474 |
| EQUIPMENT | 330 | 38.266 | [36] | 3.996 | [59] | 6.490 | [20] | 5.886 | | | | |
| EQUIP NONREC | | 1.451 | | | | | | | | | | |
| CHANGE ORDERS | | 1.613 | | 2.193 | | | | | | | | |
| DATA | | 4.829 | | 0.161 | | 1.048 | | | | | | |
| SIM/TRAINER | 22 | 3.430 | [10] | 2.123 | [3] | 0.330 | [1] | 0.106 | | | | |
| SUPPORT-EQUIP | | 0.300 | | | | | | | | | | |
| SPARES | 48 | 4.242 | | | | | | | | | | |
| OGC | | 5.609 | | 1.015 | | 1.045 | | 1.000 | | 0.680 | | 0.456 |

Projected Financial Plan Continued

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| FY-97 | 55 | 1.540 | | | | | | | | | | |
| FY-98 | 22 | 1.392 | | | | | | | | | | |
| FY-00 | 5 | 1.643 | | | | | | | | | | |
| FY-01 | 13 | 1.662 | | | | | | | | | | |
| FY-02 | 21 | | [21] | 3.210 | | | | | | | | |
| FY-03 | 16 | | | | [31] | 11.600 | | | | | | |
| FY-04 | 14 | | | | | | [13] | 4.400 | | | | |
| FY-05 | 10 | | | | | | | | | | | |
| TOTAL INSTALL | 95 | 6.237 | 21 | 3.210 | 31 | 11.600 | 13 | 4.400 | | | | |
| TOTAL COST (BP-1100) | | | | | | | | | | | | |
| (Totals may not add due to rounding) | 116 | 120.383 | 16 | 30.395 | 14 | 33.418 | 10 | 26.979 | | 2.106 | | 0.930 |
| INSTALLATION QTY | 55 | | | | 33 | | 52 | | 15 | | 5 | |

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | 6.500 |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | 156 | 37.005 |
| KITS NONRECUR | | | | | | | | 65.490 |
| EQUIPMENT | | | | | | | [445] | 54.638 |
| EQUIP NONREC | | | | | | | | 1.451 |
| CHANGE ORDERS | | | | | | | | 3.806 |
| DATA | | | | | | | | 6.038 |
| SIM/TRAINER | | | | | | | [36] | 5.989 |
| SUPPORT-EQUIP | | | | | | | | 0.300 |
| SPARES | | | | | | | [48] | 4.242 |
| OGC | | | | | | | | 9.805 |
| INSTALLATION OF HARDWARE | | | | | | | | |
| FY-97 | 55 | KITS | | | | | [55] | 1.540 |
| FY-98 | 22 | KITS | | | | | [22] | 1.392 |
| FY-00 | 5 | KITS | | | | | [5] | 1.643 |
| FY-01 | 13 | KITS | | | | | [13] | 1.662 |
| FY-02 | 21 | KITS | | | | | [21] | 3.210 |
| FY-03 | 16 | KITS | | | | | [31] | 11.600 |
| FY-04 | 14 | KITS | | | | | [13] | 4.400 |
| FY-05 | 10 | KITS | | | | | | |
| TOTAL INSTALL | | | | | | | 160 | 25.447 |
| TOTAL COST (BP-1100) | | | | | | | 156 | 214.211 |
| (Totals may not add due to rounding) | | | | | | | | |
| INSTALLATION QTY | | | | | | | 160 | |

Method of Implementation: COMBINATION

Initial Lead Time: 36 Months

Follow-On Lead Time: 12 Months

Milestones

| | <u>FY-95</u> | <u>FY-96</u> | <u>FY-97</u> | <u>FY-98</u> | <u>FY-99</u> | <u>FY-00</u> | <u>FY-01</u> | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | 09/96 | 12/96 | 05/98 | 01/99 | 09/00 | 12/00 | 12/01 | 12/02 | 12/03 | 12/04 |
| Delivery Date (Month/CY) | | 09/97 | 12/97 | 05/01 | 07/01 | 09/01 | 12/01 | 12/02 | 12/03 | 12/04 | 12/05 |

Installation Schedule

| | <u>FY-95</u> | | | | <u>FY-96</u> | | | | <u>FY-97</u> | | | | <u>FY-98</u> | | | | <u>FY-99</u> | | | | <u>FY-00</u> | | | | <u>FY-01</u> | | | | <u>FY-02</u> | | | | | | | |
|---------|--------------|---|---|---|--------------|---|---|---|--------------|----|----|----|--------------|----|----|----|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|---|---|---|---|
| Quarter | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Input | | | | | | | | | | | | | 15 | 15 | 13 | 12 | | | | | | | | | | | | | | | | | | | | |
| Output | | | | | | | | | | | | | 15 | 15 | 13 | 12 | | | | | | | | | | | | | | | | | | | | |
| Quarter | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | |
| Input | | | | | 9 | 8 | 8 | 8 | 13 | 13 | 13 | 13 | 4 | 4 | 4 | 3 | 1 | 1 | 1 | 2 | | | | | | | | | | | | | | | | |
| Output | | | | | 9 | 8 | 8 | 8 | 13 | 13 | 13 | 13 | 4 | 4 | 4 | 3 | 1 | 1 | 1 | 2 | | | | | | | | | | | | | | | | |

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UNCLASSIFIED

| BUDGET ITEM JUSTIFICATION (EXHIBIT P-40) | | | | | | | DATE February 2004 |
|--|----------|----------|----------|-----------------------------|----------|----------|-----------------------|
| APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT-AIR FORCE/AIRCRAFT Modifications | | | | P-1 ITEM NOMENCLATURE: PRDT | | | |
| | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 |
| COST (In Mil) | \$10.145 | \$14.073 | \$31.872 | \$29.728 | \$21.666 | \$20.434 | \$20.988 |

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), Infra-Red (IR), and synthetic aperture radar (SAR) sensors, and is capable of transmitting near real time full motion video to the task force commander and throughout the operational theater. The primary modification budgeted for FY05 is Predator A/B Mod.

| <u>CLASS</u> | <u>MOD NR</u> | <u>MODIFICATION TITLE</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> | <u>FY-06</u> | <u>FY-07</u> | <u>FY-08</u> | <u>FY-09</u> | <u>COST TO GO</u> | <u>TOTAL PROG</u> |
|-------------------------------------|---------------|---------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------------|-------------------|
| P | PRDLAS | PREDATOR LASER | 9.9 | 0.1 | | | | | | | 34.6 |
| | PRDT02 | PREDATOR A/B MODIFICATIO | | 13.6 | 31.9 | 29.7 | 21.7 | 20.4 | 21.0 | | 169.1 |
| | Z88888 | REPROGRAMMINGS | 0.2 | 0.4 | | | | | | | 0.6 |
| TOTAL FOR CLASS P | | | 10.1 | 14.1 | 31.9 | 29.7 | 21.7 | 20.4 | 21.0 | 0.0 | 204.4 |
| TOTAL FOR WEAPON SYSTEM PRDT | | | 10.1 | 14.1 | 31.9 | 29.7 | 21.7 | 20.4 | 21.0 | 0.0 | 204.4 |

Totals may not add due to rounding.

| | | | |
|--|-------------------------------|---------------|--|
| | P-1 SHOPP LIST ITEM NO. 58 | PAGE NO. 1 | |
|--|-------------------------------|---------------|--|

UNCLASSIFIED
MODIFICATION OF AIRCRAFT

02/13/2004
FY 2005 PB
Modification Title and No: PREDATOR LASER MN-PRDLAS

Exhibit P3A Congressional
Appropriation: Aircraft Procurement, Air Force
CLC: PRDT Class P

Models of Aircraft Affected: RQ-1 Predator

Center: ASC - Wright Patterson AFB, OH

PE 0305205F

Team AIR

Description/Justification

Adds permanent laser designator for use with precision guided munitions. Laser designator will be incorporated with electro-optical/infrared (EO/IR) sensor ball to provide an integrated intelligence, surveillance and reconnaissance/target designation capability. Four existing off-the-shelf laser designators with only infrared sensor capability were procured and installed on Predator air vehicles as a 'quick-reaction' capability for Operation ALLIED FORCE. Program office is working in conjunction with a Navy program to modify an existing laser designator system to include full motion EO/IR video, laser range-finding, infrared illumination and laser imaging systems.

In FY02, Predator received \$191.6M as part of the Defense Emergency Relief Fund (DERF). Funding was used to outfit Predator with the Multi-spectral Targeting System (MTS) laser designator/sensor turret and Hellfire Missile launch capability, provide enabling improvements, purchase four additional MQ-1 Predator aircraft, and purchase three MQ-9 Predator-B aircraft in support on operation Enduring Freedom. None of this funding is reflected in the FY02 program total.

*Remark (1): Congress added mod funds in FY02 for reliability and maintainability modifications to Ground Control Station hardware.

*Remark (2): Starting in FY04, MTS laser turrets will be purchased with each MQ-1 Predator aircraft. Cost will be documented in Exhibit P-40 for Predator. Laser funds remaining for FY04 in this P-3A are for installation of MTS turrets purchased with FY03 funds.

Aircraft Breakdown: Active 48, Reserve 0, ANG 0, Total 48

Development Status

N/A.

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|---|-------|--------|-------|-------|-------|-------|-------|------|-------|------|-------|------|
| | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | 8 | 0.040 | 8 | 0.040 | | | | | | | | |
| KITS NONRECUR EQUIPMENT | 8 | 9.673 | [8] | 9.778 | | | | | | | | |
| EQUIP NONREC CHANGE ORDERS DATA SIM/TRAINER SUPPORT-EQUIP | | 5.100 | | | | | | | | | | |
| *** See Remarks *** *** See Remarks *** | | | | | | | | | | | | |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| FY-02 8 KITS | | | [8] | 0.100 | | | | | | | | |
| FY-03 8 KITS | | | | | [8] | 0.101 | | | | | | |
| TOTAL INSTALL | | | 8 | 0.100 | 8 | 0.101 | | | | | | |
| TOTAL COST (BP-1100) | 8 | 14.813 | 8 | 9.918 | | 0.101 | | | | | | |

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> |
| (Totals may not add due to rounding) | | | | | | | | | | | | |
| INSTALLATION QTY | | | 8 | | 8 | | | | | | | |

(Continued)

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | 16 | 0.080 |
| KITS NONRECUR | | | | | | | | |
| EQUIPMENT | | | | | | | [16] | 19.451 |
| EQUIP NONREC | | | | | | | | |
| CHANGE ORDERS | | | | | | | | |
| DATA | | | | | | | | |
| SIM/TRAINER | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | |
| *** See Remarks *** | | | | | | | | 5.100 |
| *** See Remarks *** | | | | | | | | |
| INSTALLATION OF HARDWARE | | | | | | | | |
| FY-02 8 KITS | | | | | | | [8] | 0.100 |
| FY-03 8 KITS | | | | | | | [8] | 0.101 |
| TOTAL INSTALL | | | | | | | 16 | 0.201 |
| TOTAL COST (BP-1100) | | | | | | | 16 | 24.832 |
| (Totals may not add due to rounding) | | | | | | | | |
| INSTALLATION QTY | | | | | | | 16 | |

Method of Implementation: CONTRACTOR FACILITY

Initial Lead Time: 15 Months

Follow-On Lead Time: 15 Months

Milestones

| | <u>FY-01</u> | <u>FY-02</u> | <u>FY-03</u> |
|--------------------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | 12/01 | 12/02 | |
| Delivery Date (Month/CY) | 03/03 | 03/04 | |

Installation Schedule

| Quarter | <u>FY-01</u> | | | | <u>FY-02</u> | | | | <u>FY-03</u> | | | | <u>FY-04</u> | | | |
|---------|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Input | | | | | | | | | 8 | | | | 8 | | | |
| Output | | | | | | | | | 8 | | | | 8 | | | |

UNCLASSIFIED
MODIFICATION OF AIRCRAFT

02/13/2004
FY 2005 PB
Modification Title and No: PREDATOR A/B MODIFICATIONS MN-PRDT02

Exhibit P3A Congressional
Appropriation: Aircraft Procurement, Air Force
CLC: PRDT Class P

Models of Aircraft Affected: MQ-1/MQ-9

Center: ASC - Wright Patterson AFB, OH

PE 0305219F

Team INFO

Description/Justification

The basic MQ-1/MQ-9 system consists of the aircraft, a control station, communications equipment, support equipment, readiness spares packages (RSP), technical data/training, and personnel required to operate, maintain, and sustain the system. The system 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-1 Predator aircraft is designed to provide real-time Intelligence, Surveillance, Reconnaissance, and Target Acquisition (ISR TA), and attack roles to aggressively prosecute Time Sensitive Targets (TST). The aircraft carries a Multi-spectral Targeting System (MTS) (a sensor turret that incorporates electro-optical (EO), Infra-Red (IR), laser designator/marker, and IR illuminator) capable of transmitting real-time motion imagery throughout the operational theater. Additionally the aircraft is multi-configurable to carry either a synthetic aperture radar (SAR) or Hellfire laser-guided missiles. The MQ-1 aircraft will continue to evolve and upgrade its capabilities to satisfy new requirements and address reliability and maintainability (R&M) issues as they arise.

The MQ-9 Predator B aircraft will be designed primarily to prosecute critical emerging TSTs as a radar-based attack asset with organic hard-kill capability (hunter-killer) and also perform ISR TA as a secondary role. In the hunter killer role, the aircraft will employ fused multi-spectral sensors to automatically find, fix, and track ground targets (Automatic Target Cueing (ATC)) and assess post-strike results. The MQ-9 aircraft will continue to be modified to ensure all aircraft are standard with the latest configuration. Additionally, the MQ-9 aircraft will continue to evolve and upgrade its capabilities to satisfy new requirements and address R&M issues as they arise.

The Ground Control Station (GCS) functions as the aircraft cockpit and can control the aircraft. The GCS will continue to evolve and upgrade its capabilities to fully support the MQ-1 and MQ-9 aircraft and the missions they perform.

Concurrently, the MQ-1 and MQ-9 Predator fleet and Ground Control Stations will be continually modified to maintain pace with the evolving threat. These modifications include GCS, aircraft, communication system, training devices/simulator, weapons/weapon systems, and support equipment retrofits to incorporate new capabilities (sensor improvements (MTS low-light TV), secure communications/data links, tactical common data link (TCDL), multiple aircraft control, flight control/avionics, situational awareness, mission planning).

Note 1: Aircraft quantity (Active) includes both MQ-1 Predator A and MQ-9 Predator B Air Combat Command's (ACC) required force structure. Total funded (54) is the number of TCDL mod kits funded.

Note 2: Group B Kits and installation schedule are for TCDL modifications to both aircraft and ground systems.

Note 3: Retrofit includes aircraft (including sensors) and ground system retrofits to baseline configurations. The plan is to retrofit approximately 5 ground stations and 12 aircraft per year depending on funding profile.

Aircraft Breakdown: Active 129, Reserve 0, ANG 0, Total 129

Development Status

MQ-1 Predator A is fielded and in full-rate productions. On-going modifications support emerging requirements and reliability and maintainability issues.

MQ-9 Predator B is undergoing incremental (block) development/upgrades. The flight characterization evaluation of the original off-the-shelf, proto-type aircraft is complete. Subsequent block upgrades integrate, test, and demonstrate the ability to meet its key performance parameters: interoperability; hunter (find, fix, track); and killer (target, engage, and assess).

Projected Financial Plan

| PRIOR | FY-03 | FY-04 | FY-05 | FY-06 | FY-07 |
|-------|-------|-------|-------|-------|-------|
|-------|-------|-------|-------|-------|-------|

Projected Financial Plan Continued

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | | | | | | | | | | | | |
| KITS NONRECUR | | | | | | | | | | | | |
| EQUIPMENT | | | | | 2 | 13.603 | 27 | 15.000 | 9 | 4.000 | 3 | 0.600 |
| EQUIP NONREC | | | | | | | | | | | | |
| CHANGE ORDERS | | | | | | | | | | | | |
| DATA | | | | | | | | | | | | |
| SIM/TRAINER | | | | | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | | | | | |
| RETROFIT | | | | | | | 16.872 | | 25.728 | | | 21.066 |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| FY-04 | | 2 KITS | | | | | [2] | | | | | |
| FY-05 | | 27 KITS | | | | | | | [27] | | | |
| FY-06 | | 9 KITS | | | | | | | | | [9] | |
| FY-07 | | 3 KITS | | | | | | | | | | |
| FY-08 | | 5 KITS | | | | | | | | | | |
| FY-09 | | 8 KITS | | | | | | | | | | |
| TOTAL INSTALL | | | | | | | 2 | | 27 | | 9 | |
| TOTAL COST (BP-1100) | | | | | | | | | | | | |
| (Totals may not add due to rounding) | | | | | 2 | 13.603 | 27 | 31.872 | 9 | 29.728 | 3 | 21.666 |
| INSTALLATION QTY | | | | | | | 2 | | 27 | | 9 | |

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|-------|--------|-------|--------|---------|------|-------|---------|
| | QTY | COST | QTY | COST | QTY | COST | QTY | COST |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | | |
| KITS NONRECUR | | | | | | | | |
| EQUIPMENT | 5 | 5.250 | 8 | 6.000 | | | 54 | 44.453 |
| EQUIP NONREC | | | | | | | | |
| CHANGE ORDERS | | | | | | | | |
| DATA | | | | | | | | |
| SIM/TRAINER | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | |
| RETROFIT | | 15.184 | | 14.988 | | | | 93.838 |
| INSTALLATION OF HARDWARE | | | | | | | | |
| FY-04 2 KITS | | | | | | | [2] | |
| FY-05 27 KITS | | | | | | | [27] | |
| FY-06 9 KITS | | | | | | | [9] | |
| FY-07 3 KITS | [3] | | | | | | [3] | |
| FY-08 5 KITS | | | [5] | | | | [5] | |
| FY-09 8 KITS | | | | | [8] | | [8] | |
| TOTAL INSTALL | 3 | | 5 | | 8 | | 54 | |
| TOTAL COST (BP-1100) | | | | | | | | |
| (Totals may not add due to rounding) | 5 | 20.434 | 8 | 20.988 | | | 54 | 138.291 |
| INSTALLATION QTY | 3 | | 5 | | 8 | | 54 | |

Method of Implementation: CONTRACTOR FACILITY

Initial Lead Time: 10 Months

Follow-On Lead Time: 10 Months

Milestones

| | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> | <u>FY-06</u> | <u>FY-07</u> | <u>FY-08</u> | <u>FY-09</u> |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | | 12/03 | 12/04 | 12/05 | 12/06 | 12/07 | 12/08 |
| Delivery Date (Month/CY) | | | 10/04 | 10/05 | 10/06 | 10/07 | 10/08 | 10/09 |

Installation Schedule

| | <u>FY-02</u> | | | | <u>FY-03</u> | | | | <u>FY-04</u> | | | | <u>FY-05</u> | | | | <u>FY-06</u> | | | | <u>FY-07</u> | | | | <u>FY-08</u> | | | | <u>FY-09</u> | | | | | | | | | | | |
|---------|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|---|--|--|--|---|--|--|--|
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | |
| Quarter | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | |
| Input | | | | | | | | | | | | | 1 | 1 | | | | | | | 27 | | | | | | | | 9 | | | | 3 | | | | 5 | | | |
| Output | | | | | | | | | | | | | | | | | 2 | 6 | 7 | 7 | 7 | 2 | 3 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | | | | | | | | |
| Quarter | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Input | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Output | 2 | 2 | 2 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| BUDGET ITEM JUSTIFICATION (EXHIBIT P-40) | | | | | | | DATE February 2004 |
|--|---------|---------|---------|------------------------------|---------|---------|-----------------------|
| APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT-AIR FORCE/AIRCRAFT Modifications | | | | P-1 ITEM NOMENCLATURE: CV-22 | | | |
| | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 |
| COST (In Mil) | \$0.000 | \$0.277 | \$0.275 | \$1.866 | \$4.251 | \$4.575 | \$4.832 |

The CV-22 Osprey is a combat search and rescue, fleet logistics support, and special warfare support aircraft. It is a tiltrotor aircraft, taking off and landing like a helicopter, but, once airborne, its engine nacelles can be rotated to convert the aircraft to a turboprop airplane capable of high-speed, high-altitude flight. It can carry 24 combat troops, or up to 20,000 pounds of internal or external cargo, at twice the speed of a helicopter. The primary modification budgeted in FY05 is low cost modifications.

| <u>CLASS</u> | <u>MOD NR</u> | <u>MODIFICATION TITLE</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> | <u>FY-06</u> | <u>FY-07</u> | <u>FY-08</u> | <u>FY-09</u> | <u>COST TO GO</u> | <u>TOTAL PROG</u> |
|--------------------------------------|---------------|---------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------------|-------------------|
| P | 8791 | BLOCK B UPGRADE | | | | | 3.9 | 4.2 | 4.4 | | 12.5 |
| | 99999X | LOW COST MODIFICATIONS | | 0.3 | 0.3 | 1.9 | 0.4 | 0.4 | 0.4 | | 3.6 |
| | Z88888 | REPROGRAMMINGS | | 0.1 | | | | | | | 0.1 |
| TOTAL FOR CLASS P | | | 0.0 | 0.4 | 0.3 | 1.9 | 4.3 | 4.6 | 4.8 | 0.0 | 16.2 |
| TOTAL FOR WEAPON SYSTEM CV-22 | | | 0.0 | 0.4 | 0.3 | 1.9 | 4.3 | 4.6 | 4.8 | 0.0 | 16.2 |

Totals may not add due to rounding.

| | | | |
|--|-------------------------------|---------------|--|
| | P-1 SHOPP LIST ITEM NO. 59 | PAGE NO. 1 | |
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| BUDGET ITEM JUSTIFICATION (EXHIBIT P-40) | | | | | | | DATE February 2004 |
|--|----------|----------|----------|-------------------------------|----------|----------|-----------------------|
| APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT-AIR FORCE/AIRCRAFT Modifications | | | | P-1 ITEM NOMENCLATURE: CLASSI | | | |
| | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 |
| COST (In Mil) | \$37.614 | \$16.402 | \$20.880 | \$16.915 | \$15.143 | \$18.060 | \$18.439 |

This line item funds classified modifications to classified projects. The only classified modification budgeted in FY05 is Compass Call.

| <u>CLASS</u> | <u>MOD NR</u> | <u>MODIFICATION TITLE</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> | <u>FY-06</u> | <u>FY-07</u> | <u>FY-08</u> | <u>FY-09</u> | <u>COST TO GO</u> | <u>TOTAL PROG</u> |
|---------------------------------------|---------------|---------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------------|-------------------|
| P | 1001 | COMPASS CALL | 37.6 | 16.4 | 20.9 | 16.9 | 15.1 | 18.1 | 18.4 | | 195.0 |
| TOTAL FOR CLASS P | | | 37.6 | 16.4 | 20.9 | 16.9 | 15.1 | 18.1 | 18.4 | 0.0 | 195.0 |
| TOTAL FOR WEAPON SYSTEM CLASSI | | | 37.6 | 16.4 | 20.9 | 16.9 | 15.1 | 18.1 | 18.4 | 0.0 | 195.0 |

Totals may not add due to rounding.

| | | | |
|--|-------------------------------|---------------|--|
| | P-1 SHOPP LIST ITEM NO. 60 | PAGE NO. 1 | |
|--|-------------------------------|---------------|--|

UNCLASSIFIED
MODIFICATION OF AIRCRAFT

02/13/2004
FY 2005 PB
Modification Title and No: COMPASS CALL MN-1001

Exhibit P3A Congressional
Appropriation: Aircraft Procurement, Air Force
CLC: CLASSI Class P

Models of Aircraft Affected: MULTIPLE

Center: ASC - Wright Patterson AFB, OH

PE 0207253F

Team INFO

Description/Justification

These funds are required to provide for the modification of aircraft and airborne systems used in classified missions. These activities will include the Block 35 modification effort, sustainment and depot activities including temporary modifications supporting kit proofing and other integration (including performance acceptance and testing) and fielding of capabilities. Because of their sensitive nature, the application of special management and security safeguards is required. Special justifications are provided through classified intelligence or security channels as requested.

Quantities are not provided by year due to classification.

Aircraft Breakdown: Active 15, Reserve 0, ANG 0, Total 15

Development Status

N/A

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | | | | | | | | | | | | |
| KITS NONRECUR | | | | | | | | | | | | |
| EQUIPMENT | | | | | | | | | | | | |
| EQUIP NONREC | | | | | | | | | | | | |
| CHANGE ORDERS | | | | | | | | | | | | |
| DATA | | | | | | | | | | | | |
| SIM/TRAINER | | | | | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | | | | | |
| CLASSIFIED | | 51.536 | | 27.100 | | 16.402 | | 20.880 | | 16.915 | | 15.143 |
| TIBS | | | | | | | | | | | | |
| RCVRS | | | | 10.514 | | | | | | | | |
| SPARES | | | | | | | | | | | | |
| TOTAL COST (BP-1100) | | 51.536 | | 37.614 | | 16.402 | | 20.880 | | 16.915 | | 15.143 |
| (Totals may not add due to rounding) | | | | | | | | | | | | |

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | | |
| KITS NONRECUR | | | | | | | | |
| EQUIPMENT | | | | | | | | |
| EQUIP NONREC | | | | | | | | |
| CHANGE ORDERS | | | | | | | | |
| DATA | | | | | | | | |
| SIM/TRAINER | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | |
| CLASSIFIED | | 18.060 | | 18.439 | | | | 184.475 |
| TIBS | | | | | | | | |
| RCVRS | | | | | | | | 10.514 |
| SPARES | | | | | | | | |
| TOTAL COST (BP-1100) | | | | | | | | |
| (Totals may not add due to rounding) | | 18.060 | | 18.439 | | | | 194.989 |

Method of Implementation: ORG/INTERMEDIATE

Initial Lead Time: 0 Months

Follow-On Lead Time: 0 Months

Milestones

| | <u>FY-01</u> | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> | <u>FY-06</u> | <u>FY-07</u> | <u>FY-08</u> | <u>FY-09</u> | <u>FY-10</u> | <u>FY-11</u> | <u>FY-12</u> | <u>FY-13</u> | <u>FY-14</u> | <u>FY-15</u> |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | | | | | | | | | | | | | | |
| Delivery Date (Month/CY) | | | | | | | | | | | | | | | |
| Contract Date (Month/CY) | | | | | | | | | | | | | | | |
| Delivery Date (Month/CY) | | | | | | | | | | | | | | | |

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UNCLASSIFIED

| BUDGET ITEM JUSTIFICATION (EXHIBIT P-40) | | | | | | | DATE February 2004 |
|--|-----------|----------|-----------|-----------------------------|----------|-----------|-----------------------|
| APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT-AIR FORCE/AIRCRAFT Modifications | | | | P-1 ITEM NOMENCLATURE: DARP | | | |
| | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 |
| COST (In Mil) | \$166.468 | \$99.664 | \$101.233 | \$87.885 | \$87.349 | \$100.864 | \$102.789 |

This line item funds classified modifications to the Defense Airborne Reconnaissance Program aircraft. The primary modification budgeted in FY05 is Rivet Joint. The specific modifications budgeted and programmed are listed below.

| CLASS | MOD NR | MODIFICATION TITLE | FY-03 | FY-04 | FY-05 | FY-06 | FY-07 | FY-08 | FY-09 | COST TO GO | TOTAL PROG |
|-------------------------------------|--------|--------------------|-------|-------|-------|-------|-------|-------|-------|------------|------------|
| P | 3009R | REENGINE | 52.7 | 17.8 | 9.3 | | | | | | 715.4 |
| | 4263 | RIVET JOINT | 60.5 | 62.4 | 76.1 | 75.1 | 78.4 | 91.6 | 93.4 | | 567.2 |
| | 4265 | COMBAT SENT | 8.6 | 8.4 | 8.5 | 8.8 | 9.0 | 9.2 | 9.4 | | 69.9 |
| | 4493 | U-2 POWER | 12.5 | 8.7 | 7.4 | 4.0 | | | | | 80.3 |
| | SCOUT | ANG SENIOR SCOUT | 29.1 | | | | | | | | 37.9 |
| | Z88888 | REPROGRAMMINGS | 3.1 | 4.0 | | | | | | | 9.6 |
| TOTAL FOR CLASS P | | | 166.5 | 101.2 | 101.2 | 87.9 | 87.3 | 100.9 | 102.8 | 0.0 | 1,480.4 |
| TOTAL FOR WEAPON SYSTEM DARP | | | 166.5 | 101.2 | 101.2 | 87.9 | 87.3 | 100.9 | 102.8 | 0.0 | 1,480.4 |

Totals may not add due to rounding.

| | | | |
|--|-------------------------------|---------------|--|
| | P-1 SHOPP LIST ITEM NO. 51 | PAGE NO. 1 | |
|--|-------------------------------|---------------|--|

UNCLASSIFIED
MODIFICATION OF AIRCRAFT

02/13/2004
FY 2005 PB
Modification Title and No: REENGINE MN-3009R

Exhibit P3A Congressional
Appropriation: Aircraft Procurement, Air Force
CLC: DARP Class P

Models of Aircraft Affected: RC-135V, W,T,U

Center: ASC - Wright Patterson AFB, OH

PE 0305207F Team INFO

Description/Justification

Modifies RC-135 aircraft with more powerful, fuel efficient F108 (CFM-56-201) engines, allowing takeoff on shorter runways with higher gross weights. The cleaner, quieter F108 engines meet or exceed all noise and pollution standards. Over 25 other systems / sub-systems, including the landing gear, will extend the life of these aircraft into the 21ST Century. Group B items (equipment) are individual engines, not aircraft.

NOTE: Total input quantities do not always match install funding, and kit deliveries do not always align with inputs. Congress provided additional funds for engines (Group A and Group B) in FY96, FY97, FY98, FY00, & FY02 but did not fund installations in the year of input (which may require up to a two year lead) or account for aircraft availability due to operational commitments and programmed depot maintenance (PDM) schedule.

To comply with Congressional intent, installation of additional engine kits has been funded from within the program (incurring a loss of operational capability), while attempting to synchronize critical scheduling between re-engining at Boeing, the aircraft PDM schedule while still minimizing adverse impacts to other modification efforts.

Inputs have been critically aligned as much as possible with the PDM schedule to minimize operational impact. For example, the FY00 Congressional add of two engine kits necessitated the Program Manager to use budgeted FY02 install funds to accommodate the arrival of the installation kits generated by this Congressional add. The program is able to achieve this by accelerating the installations of the already budgeted FY00 engine kits into FY01 and the FY99 kits into FY00. This is accomplished by inputting aircraft into reengining at the end of the fiscal year (i.e., FY99 kits get installed in the third and fourth quarter of FY00) to leverage maximum flexibility in the delivery of installation kits. FY02 includes \$30M IPDM add for Rivet Joint Trainer engines. The FY02 DERF added the 22nd engine kit for RJ#17 into FY03.

Aircraft Breakdown: Active 22, Reserve 0, ANG 0, Total 22

Development Status

Engineering activities are continuously underway. Aircraft, aircraft sensor systems, and associated ground support system modifications planned for FY05-09 include the procurement, fielding and logistical support for three distinct RIVET JOINT baseline configurations [baseline 7, 8, 9] and two distinct baselines [baselines 2 & 3] for COMBAT SENT. Additional information is available within the classified Congressional budget exhibits.

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------|-------|---------|-------|--------|-------|------|-------|------|-------|------|-------|------|
| | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST | QTY | COST |
| RDT&E (3600) | | 31.175 | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | 20 | 218.205 | 2 | 14.200 | | | | | | | | |
| KITS NONRECUR | | 12.837 | | | | | | | | | | |
| EQUIPMENT | 80 | 264.887 | [8] | 25.330 | | | | | | | | |
| EQUIP NONREC | | 4.233 | | 1.500 | | | | | | | | |
| CHANGE ORDERS | | 2.841 | | 0.630 | | | | | | | | |
| DATA | | 1.795 | | | | | | | | | | |
| SIM/TRAINER | 2 | 1.795 | | | | | | | | | | |
| SUPPORT-EQUIP | | 3.300 | | | | | | | | | | |
| TEST | | | | 3.000 | | | | | | | | |

Projected Financial Plan Continued

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| FY-96 | 2 | 3.400 | | | | | | | | | | |
| FY-97 | 4 | 9.275 | | | | | | | | | | |
| FY-98 | 1 | 4.175 | | | | | | | | | | |
| FY-99 | 2 | 8.350 | | | | | | | | | | |
| FY-00 | 4 | 16.100 | | | | | | | | | | |
| FY-01 | 2 | | [2] | 8.000 | | | | | | | | |
| FY-02 | 5 | | | | [5] | 17.750 | | | | | | |
| FY-03 | 2 | | | | | | [2] | 9.250 | | | | |
| TOTAL INSTALL | 13 | 41.300 | 2 | 8.000 | 5 | 17.750 | 2 | 9.250 | | | | |
| TOTAL COST (BP-1100) | | | | | | | | | | | | |
| (Totals may not add due to rounding) | 20 | 549.398 | 2 | 52.660 | | 17.750 | | 9.250 | | | | |
| INSTALLATION QTY | 13 | | 2 | | 5 | | 2 | | | | | |

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | 31.175 |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | 22 | 232.405 |
| KITS NONRECUR | | | | | | | | 12.837 |
| EQUIPMENT | | | | | | | [80] | 290.217 |
| EQUIP NONREC | | | | | | | | |
| CHANGE ORDERS | | | | | | | | 5.733 |
| DATA | | | | | | | | 3.471 |
| SIM/TRAINER | | | | | | | [2] | 1.795 |
| SUPPORT-EQUIP | | | | | | | | 3.300 |
| TEST | | | | | | | | 3.000 |
| INSTALLATION OF HARDWARE | | | | | | | | |
| FY-96 2 KITS | | | | | | | [2] | 3.400 |
| FY-97 4 KITS | | | | | | | [4] | 9.275 |
| FY-98 1 KITS | | | | | | | [1] | 4.175 |
| FY-99 2 KITS | | | | | | | [2] | 8.350 |
| FY-00 4 KITS | | | | | | | [4] | 16.100 |
| FY-01 2 KITS | | | | | | | [2] | 8.000 |
| FY-02 5 KITS | | | | | | | [5] | 17.750 |
| FY-03 2 KITS | | | | | | | [2] | 9.250 |
| TOTAL INSTALL | | | | | | | 22 | 76.300 |
| TOTAL COST (BP-1100) | | | | | | | 22 | 629.058 |
| (Totals may not add due to rounding) | | | | | | | | |
| INSTALLATION QTY | | | | | | | 22 | |

Method of Implementation: CONTRACTOR FACILITY

Initial Lead Time: 24 Months

Follow-On Lead Time: 24 Months

Milestones

| | <u>FY-95</u> | <u>FY-96</u> | <u>FY-97</u> | <u>FY-98</u> | <u>FY-99</u> | <u>FY-00</u> | <u>FY-01</u> | <u>FY-02</u> | <u>FY-03</u> |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | 09/96 | 12/96 | 07/98 | 04/99 | 12/99 | 12/00 | 12/01 | 12/02 | |
| Delivery Date (Month/CY) | 09/98 | 12/98 | 07/00 | 04/01 | 12/01 | 12/02 | 12/03 | 12/04 | |

Installation Schedule

| | <u>FY-95</u> | | | | <u>FY-96</u> | | | | <u>FY-97</u> | | | | <u>FY-98</u> | | | | <u>FY-99</u> | | | | <u>FY-00</u> | | | | <u>FY-01</u> | | | | <u>FY-02</u> | | | | | | | |
|---------|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | |
| Input | | | | | | | | | | | | | 1 | 1 | | | | | | | 1 | 1 | 1 | 1 | | | | | 1 | 1 | | | | | | |
| Output | | | | | | | | | | | | | | | 1 | 1 | | | | | 1 | 1 | 1 | 1 | 1 | 1 | | | 1 | 1 | | | | | | |
| Quarter | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Input | 1 | 1 | | | 2 | 1 | 1 | 1 | 1 | 1 | | | | | | | 1 | 1 | | | | | | | | | | | 1 | 1 | | | | | | |
| Output | 1 | 1 | 1 | 1 | 1 | 1 | | | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | |

UNCLASSIFIED
MODIFICATION OF AIRCRAFT

02/13/2004
FY 2005 PB
Modification Title and No: RIVET JOINT MN-4263

Exhibit P3A Congressional
Appropriation: Aircraft Procurement, Air Force
CLC: DARP Class P

Models of Aircraft Affected: RC-135V, W, T

Center: ASC - Wright Patterson AFB, OH

PE 0305207F Team INFO

Description/Justification

Procures and installs various classified modifications for RC-135 aircraft. This mod has multiple contract and delivery dates. Specific quantities and schedules of these modifications are classified and therefore not listed.

In FY02, The RC-135 program received \$187.4M as part of the Defense Emergency Relief Fund (DERF). Funding was used to procure and field three Quick Reaction Capability (QRC) sensor modifications (\$27.4M) and to procure one additional RIVET JOINT configured mission aircraft in support of the Global War on Terrorism (GWOT). This funding is not reflected in the FY02 program total. Additional information is available within the classified Congressional budget exhibits.

Aircraft Breakdown: Active , Reserve , ANG , Total 0

Development Status

Aircraft, sensor systems, and associated ground support system modifications planned for FY04-FY09 include the procurement, fielding and logistical support for three distinct RIVET JOINT baseline configurations [baseline 7, 8, 9] and two distinct baselines [baselines 2 & 3] for COMBAT SENT.

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | | 29.744 | | 60.450 | | 62.357 | | 76.091 | | 75.129 | | 78.387 |
| KITS NONRECUR | | | | | | | | | | | | |
| EQUIPMENT | | | | | | | | | | | | |
| EQUIP NONREC | | | | | | | | | | | | |
| CHANGE ORDERS | | | | | | | | | | | | |
| DATA | | | | | | | | | | | | |
| SIM/TRAINER | | | | | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | | | | | |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| TOTAL INSTALL | | | | | | | | | | | | |
| TOTAL COST (BP-1100) | | | | | | | | | | | | |
| (Totals may not add due to rounding) | | 29.744 | | 60.450 | | 62.357 | | 76.091 | | 75.129 | | 78.387 |
| INSTALLATION QTY | | | | | | | | | | | | |

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | 91.642 | | 93.392 | | | | 567.192 |
| KITS NONRECUR | | | | | | | | |
| EQUIPMENT | | | | | | | | |
| EQUIP NONREC | | | | | | | | |
| CHANGE ORDERS | | | | | | | | |
| DATA | | | | | | | | |
| SIM/TRAINER | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | |
| INSTALLATION OF HARDWARE | <hr/> | | | | | | | |
| TOTAL INSTALL | | | | | | | | |
| TOTAL COST (BP-1100) | <hr/> | | | | | | | |
| (Totals may not add due to rounding) | | 91.642 | | 93.392 | | | | 567.192 |
| INSTALLATION QTY | | | | | | | | |

Method of Implementation: DEPOT/FIELD TEAM

Initial Lead Time: 12 Months

Follow-On Lead Time: 12 Months

Milestones

| | <u>FY-01</u> | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> | <u>FY-06</u> | <u>FY-07</u> | <u>FY-08</u> | <u>FY-09</u> | <u>FY-10</u> | <u>FY-11</u> | <u>FY-12</u> | <u>FY-13</u> | <u>FY-14</u> | <u>FY-15</u> |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | | | | | | | | | | | | | | |
| Delivery Date (Month/CY) | | | | | | | | | | | | | | | |
| Contract Date (Month/CY) | | | | | | | | | | | | | | | |
| Delivery Date (Month/CY) | | | | | | | | | | | | | | | |

Installation Schedule

| | <u>FY-01</u> | | | | <u>FY-02</u> | | | | <u>FY-03</u> | | | | <u>FY-04</u> | | | | <u>FY-05</u> | | | | <u>FY-06</u> | | | | <u>FY-07</u> | | | | <u>FY-08</u> | | | | | | | |
|---------|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|---|---|---|---|
| Quarter | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Input | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Output | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quarter | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Input | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Output | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

02/13/2004
 FY 2005 PB
 Modification Title and No: COMBAT SENT MN-4265

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: DARP Class P

Models of Aircraft Affected: RC-135U

Center: ASC - Wright Patterson AFB, OH

PE 0305207F

Team INFO

Description/Justification

Procures and installs various classified modifications for RC-135 aircraft. This mod has multiple contract and delivery dates. Specific quantities and schedules of these modifications are classified and therefore not listed.

Aircraft Breakdown: Active , Reserve , ANG , Total 0

Development Status

Aircraft, aircraft sensor systems, and associated ground support system modifications planned for FY05-FY09 include the procurement, fielding and logistical support for three distinct RIVET JOINT baseline configurations [baseline 7, 8 ,9] and two distinct baselines [baselines 2 & 3] for COMBAT SENT. Additional information is available within the classified Congressional budget exhibits.

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | QTY | COST |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | | 8.112 | | 8.636 | | 8.387 | | 8.463 | | 8.764 | | 8.962 |
| KITS NONRECUR | | | | | | | | | | | | |
| EQUIPMENT | | | | | | | | | | | | |
| EQUIP NONREC | | | | | | | | | | | | |
| CHANGE ORDERS | | | | | | | | | | | | |
| DATA | | | | | | | | | | | | |
| SIM/TRAINER | | | | | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | | | | | |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| TOTAL INSTALL | | | | | | | | | | | | |
| TOTAL COST (BP-1100) | | 8.112 | | 8.636 | | 8.387 | | 8.463 | | 8.764 | | 8.962 |
| (Totals may not add due to rounding) | | | | | | | | | | | | |
| INSTALLATION QTY | | | | | | | | | | | | |

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | 9.222 | | 9.397 | | | | 69.943 |
| KITS NONRECUR | | | | | | | | |
| EQUIPMENT | | | | | | | | |
| EQUIP NONREC | | | | | | | | |
| CHANGE ORDERS | | | | | | | | |
| DATA | | | | | | | | |
| SIM/TRAINER | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | |
| INSTALLATION OF HARDWARE | <hr/> | | | | | | | |
| TOTAL INSTALL | <hr/> | | | | | | | |
| TOTAL COST (BP-1100) | | 9.222 | | 9.397 | | | | 69.943 |
| (Totals may not add due to rounding) | | | | | | | | |
| INSTALLATION QTY | | | | | | | | |

Method of Implementation: DEPOT/FIELD TEAM

Initial Lead Time: 0 Months

Follow-On Lead Time: 0 Months

Milestones

| | <u>FY-01</u> | <u>FY-02</u> | <u>FY-03</u> | <u>FY-04</u> | <u>FY-05</u> | <u>FY-06</u> | <u>FY-07</u> | <u>FY-08</u> | <u>FY-09</u> | <u>FY-10</u> | <u>FY-11</u> | <u>FY-12</u> | <u>FY-13</u> | <u>FY-14</u> | <u>FY-15</u> |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | | | | | | | | | | | | | | |
| Delivery Date (Month/CY) | | | | | | | | | | | | | | | |
| Contract Date (Month/CY) | | | | | | | | | | | | | | | |
| Delivery Date (Month/CY) | | | | | | | | | | | | | | | |

Installation Schedule

| | <u>FY-01</u> | | | | <u>FY-02</u> | | | | <u>FY-03</u> | | | | <u>FY-04</u> | | | | <u>FY-05</u> | | | | <u>FY-06</u> | | | | <u>FY-07</u> | | | | <u>FY-08</u> | | | | | | | |
|---------|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|---|---|---|---|
| Quarter | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Input | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Output | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quarter | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Input | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Output | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

02/13/2004
 FY 2005 PB
 Modification Title and No: U-2 POWER MN-4493

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: DARP Class P

Models of Aircraft Affected: U-2

Center: ASC - Wright Patterson AFB, OH

PE 0305202F

Team INFO

Description/Justification

Specific modifications are classified. The funding will be used to improve aircraft power distribution and performance. These modifications are necessary for the aircraft to maintain its mission effectiveness in conjunction with changing mission requirements.

Aircraft Breakdown: Active 35, Reserve 0, ANG 0, Total 35

Development Status

N/A.

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | 21 | 47.729 | 6 | 12.541 | 6 | 8.651 | 2 | 7.429 | | 3.992 | | |
| KITS NONRECUR | | | | | | | | | | | | |
| EQUIPMENT | | | | | | | | | | | | |
| EQUIP NONREC | | | | | | | | | | | | |
| CHANGE ORDERS | | | | | | | | | | | | |
| DATA | | | | | | | | | | | | |
| SIM/TRAINER | | | | | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | | | | | |
| TOTAL COST (BP-1100) | | | | | | | | | | | | |
| (Totals may not add due to rounding) | 21 | 47.729 | 6 | 12.541 | 6 | 8.651 | 2 | 7.429 | | 3.992 | | |

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | 35 | 80.342 |
| KITS NONRECUR | | | | | | | | |
| EQUIPMENT | | | | | | | | |
| EQUIP NONREC | | | | | | | | |
| CHANGE ORDERS | | | | | | | | |
| DATA | | | | | | | | |
| SIM/TRAINER | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | |
| TOTAL COST (BP-1100) | <hr/> | | | | | | 35 | 80.342 |
| (Totals may not add due to rounding) | | | | | | | | |

Method of Implementation:

Initial Lead Time: 12 Months

Follow-On Lead Time: 12 Months

Milestones

| | <u>FY-98</u> | <u>FY-99</u> | <u>FY-00</u> | <u>FY-01</u> | <u>FY-02</u> |
|--------------------------|--------------|--------------|--------------|--------------|--------------|
| Contract Date (Month/CY) | | | | | 06/02 |
| Delivery Date (Month/CY) | | | | | 06/03 |

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

02/13/2004
 FY 2005 PB
 Modification Title and No: ANG SENIOR SCOUT MN-SCOUT

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: DARP Class P

Models of Aircraft Affected: Multiple

Center: ASC - Wright Patterson AFB, OH

PE 0503115F

Team INFO

Description/Justification

SENIOR SCOUT is an Intelligence, Surveillance and Reconnaissance (ISR) suite of equipment configured in a shelter capable of installation in non-dedicated C-130E/H aircraft. The system provides capabilities to exploit, geolocate and report COMINT and ELINT Signals of Interest (SOI) to air and ground component commanders. It is a flexible, low profile capability adaptable to Strategic, Tactical, Counter Drug and Military Operations Other Than War. The SENIOR SCOUT Reliability and Maintainability program provides for the sustained operational capabilities of the current platform. To extend the life of the sensor suite, obsolete hardware and software must continue to be replaced. Certain mandated interoperability and communications structures (i.e., JTIDS and DAMA) must be complied with. These funds provide for the non-recurring engineering, fabrication and installation of three (3) shelter update kits which began in FY02 with the installations completing in FY05. All funds are managed in Air National Guard.

Aircraft Breakdown: Active 0, Reserve 0, ANG 3, Total 3

Development Status

N/A

Projected Financial Plan

| | PRIOR | | FY-03 | | FY-04 | | FY-05 | | FY-06 | | FY-07 | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | | | | | |
| INSTALL KITS | | | | | | | | | | | | |
| KITS NONRECUR | | | | | | | | | | | | |
| EQUIPMENT | | | | | | | | | | | | |
| EQUIP NONREC | | | | | | | | | | | | |
| CHANGE ORDERS | | | | | | | | | | | | |
| DATA | | | | | | | | | | | | |
| SIM/TRAINER | | | | | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | | | | | |
| INSTALLATION OF HARDWARE | | | | | | | | | | | | |
| TOTAL INSTALL | | | | | | | | | | | | |
| TOTAL COST (BP-1100) | | | | | | | | | | | | |
| (Totals may not add due to rounding) | | 8.779 | | 29.100 | | | | | | | | |
| INSTALLATION QTY | | | | | | | | | | | | |

| | FY-08 | | FY-09 | | TO COMP | | TOTAL | |
|--------------------------------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|
| | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> | <u>QTY</u> | <u>COST</u> |
| RDT&E (3600) | | | | | | | | |
| PROCUREMENT (3010) | | | | | | | | |
| INSTALL KITS | | | | | | | [2] | 37.879 |
| KITS NONRECUR | | | | | | | | |
| EQUIPMENT | | | | | | | | |
| EQUIP NONREC | | | | | | | | |
| CHANGE ORDERS | | | | | | | | |
| DATA | | | | | | | | |
| SIM/TRAINER | | | | | | | | |
| SUPPORT-EQUIP | | | | | | | | |
| INSTALLATION OF HARDWARE | | | | | | | | |
| TOTAL INSTALL | | | | | | | | |
| TOTAL COST (BP-1100) | | | | | | | | 37.879 |
| (Totals may not add due to rounding) | | | | | | | | |
| INSTALLATION QTY | | | | | | | | |

Method of Implementation: CONTRACTOR FACILITY

Initial Lead Time: 9 Months

Follow-On Lead Time: 6 Months

Milestones

| | <u>FY-01</u> | <u>FY-02</u> |
|--------------------------|--------------|--------------|
| Contract Date (Month/CY) | | 03/02 |
| Delivery Date (Month/CY) | | 12/02 |

Installation Schedule

| | <u>FY-01</u> | | | | <u>FY-02</u> | | | | <u>FY-03</u> | | | | <u>FY-04</u> | | | | <u>FY-05</u> | | | | <u>FY-06</u> | | | | <u>FY-07</u> | | | | <u>FY-08</u> | | | |
|---------|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|--------------|---|---|---|
| Quarter | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Input | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Output | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quarter | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Input | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Output | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |