| Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force | Date: February 2018 |
|---|---|

| Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 4: Spcl Comm-Electronics Projects | P-1 Line Item Number / Title: 834210 / Minimum Essential Emergency Comm N |
|---|---|

| ID Code (A=Service Ready, B=Not Service Ready): B | Program Elements for Code B Items: 0303131F | Other Related Program Elements: N/A |
|---|---|---|

Line Item MDAP/MAIS Code: N/A

| Resource Summary | Prior Years | FY 2017 | FY 2018 | FY 2019 Base | FY 2019 OCO | FY 2019 Total | FY 2020 | FY 2021 | FY 2022 | FY 2023 | To Complete | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Procurement Quantity (Units in Each) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost ($ in Millions) | - | 198.925 | 0.292 | 140.875 | - | 140.875 | 228.155 | 48.127 | 67.424 | 51.006 | - | 734.804 |
| Less PY Advance Procurement ($ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P-1) ($ in Millions) | - | 198.925 | 0.292 | 140.875 | - | 140.875 | 228.155 | 48.127 | 67.424 | 51.006 | - | 734.804 |
| Plus CY Advance Procurement ($ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| **Total Obligation Authority ($ in Millions)** | **-** | **198.925** | **0.292** | **140.875** | **-** | **140.875** | **228.155** | **48.127** | **67.424** | **51.006** | **-** | **734.804** |
| (The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.) | | | | | | | | | | | | |
| Initial Spares ($ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Flyaway Unit Cost ($ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost ($ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |

**Description:**

The Minimum Essential Emergency Communications Network (MEECN) portfolio modernizes the systems necessary to effectively provide assured communications connectivity between the President and the strategic deterrence forces in stressed environments.

Global Aircrew Strategic Network Terminal (Global ASNT) replaces inadequate, unsustainable strategic communications equipment at bomber, tanker and reconnaissance Wing Command Posts (WCPs), Nuclear Task Forces, Munitions Support Squadrons (MUNSS), and for Mobile Support Teams (MSTs). Global ASNT is a ground-based system that will provide survivable, secure communication paths to receive Emergency Action Messages (EAMs), Force Management messages, and Force Direction messages and disseminate them to bomber, tanker, and reconnaissance aircrews.

Global ASNT is being fielded in separate capability increments.

Global ASNT Inc 1 fields required Extremely High Frequency/Advanced Extremely High Frequency (EHF/AEHF) capabilities and replaces inadequate, unsustainable strategic mobile and fixed-site Single Channel Anti-jam Man-Portable (SCAMP) terminals and Secure, Mobile, Anti-Jam, Reliable, Tactical - Terminal (SMART-T) equipment. FY15 was the first year of Increment 1 procurement funding to support pre-production activities. The majority of pre-production support activities will be conducted in FY17 and FY18 in advance of the Milestone C decision in 2QFY19.

Global ASNT Inc 2 delivers an Aircrew Alerting System (AAS) consisting of personal and general alerting equipment, and High Frequency (HF) and Ultra High Frequency (UHF) capabilities. Increment 2 replaces inadequate, unsustainable Electromagnetic Pulse Hardened Dispersal Communication (EHDC) systems and Aircrew Alerting Communications Electromagnetic Pulse (AACE) systems.

Funding for this exhibit is contained in PE 0303131F.

LI 834210 - Minimum Essential Emergency Comm N
Air Force

**UNCLASSIFIED**
Page 1 of 4

P-1 Line #31

**Volume 1 - 303**

| Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force | | | | | | | | Date: February 2018 | |
|---|---|---|---|---|---|---|---|---|---|

**Appropriation / Budget Activity / Budget Sub Activity:**
3080F: Other Procurement, Air Force / BA 03: Electronics and Telecommunications Equip / BSA 4: Spcl Comm-Electronics Projects

**P-1 Line Item Number / Title:**
834210 / Minimum Essential Emergency Comm N

**ID Code** (A=Service Ready, B=Not Service Ready): B | **Program Elements for Code B Items:** 0303131F | **Other Related Program Elements:** N/A

**Line Item MDAP/MAIS Code:** N/A

| Exhibits Schedule | | | | | Prior Years | FY 2017 | FY 2018 | FY 2019 Base | FY 2019 OCO | FY 2019 Total |
|---|---|---|---|---|---|---|---|---|---|---|
| Exhibit Type | Title* | Subexhibits | ID CD | MDAP/ MAIS Code | Quantity / Total Cost (Each) I ($ M) | Quantity / Total Cost (Each) I ($ M) | Quantity / Total Cost (Each) I ($ M) | Quantity / Total Cost (Each) I ($ M) | Quantity / Total Cost (Each) I ($ M) | Quantity / Total Cost (Each) I ($ M) |
| P-5 | Minimum Essential Emergency Comm N | P-5a | B | | - / - | - / 198.925 | - / 0.292 | - / 140.875 | - / - | - / 140.875 |
| **P-40** | **Total Gross/Weapon System Cost** | | | | **- / -** | **- / 198.925** | **- / 0.292** | **- / 140.875** | **- / -** | **- / 140.875** |

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

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

**Justification:**
Global ASNT Increment 1 FY2017 funds were "early to need" and are unavailable to the program. The funds were pulled by the Air Staff for higher priorities.

Global ASNT Increment 1 FY2019 funds will support production activities including preparation and planning for depot standup, engineering start-up, schedule preparation and planning, production configuration control, production roadmap activities, and procurement of 48 production kits.

FY2019 funds also include purchases of Electronic Security Systems (ESS) to provide Physical Security Level 3 (PL-3) protection for Global ASNT antennas. Global ASNT is replacing a PL-4 asset.

LI 834210 - Minimum Essential Emergency Comm N
Air Force

**UNCLASSIFIED**
Page 2 of 4

P-1 Line #31

**Volume 1 - 304**

**UNCLASSIFIED**

| Exhibit P-5, Cost Analysis: PB 2019 Air Force | | Date: February 2018 |
|---|---|---|
| **Appropriation / Budget Activity / Budget Sub Activity:** 3080F / 03 / 4 | **P-1 Line Item Number / Title:** 834210 / Minimum Essential Emergency Comm N | **Item Number / Title [DODIC]:** Minimum Essential Emergency Comm N |
| **ID Code** (A=Service Ready, B=Not Service Ready) : B | **MDAP/MAIS Code:** | |

| Resource Summary | Prior Years | FY 2017 | FY 2018 | FY 2019 Base | FY 2019 OCO | FY 2019 Total |
|---|---|---|---|---|---|---|
| Procurement Quantity (Units in Each) | - | - | - | - | - | - |
| Gross/Weapon System Cost ($ in Millions) | - | 198.925 | 0.292 | 140.875 | - | 140.875 |
| Less PY Advance Procurement ($ in Millions) | - | - | - | - | - | - |
| Net Procurement (P-1) ($ in Millions) | - | 198.925 | 0.292 | 140.875 | - | 140.875 |
| Plus CY Advance Procurement ($ in Millions) | - | - | - | - | - | - |
| **Total Obligation Authority** ($ in Millions) | **-** | **198.925** | **0.292** | **140.875** | **-** | **140.875** |
| *(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)* | | | | | | |
| Initial Spares ($ in Millions) | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost ($ in Millions) | - | - | - | - | - | - |

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

| Cost Elements | Prior Years | | | FY 2017 | | | FY 2018 | | | FY 2019 Base | | | FY 2019 OCO | | | FY 2019 Total | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Unit Cost ($ M) | Qty (Each) | Total Cost ($ M) | Unit Cost ($ M) | Qty (Each) | Total Cost ($ M) | Unit Cost ($ M) | Qty (Each) | Total Cost ($ M) | Unit Cost ($ M) | Qty (Each) | Total Cost ($ M) | Unit Cost ($ M) | Qty (Each) | Total Cost ($ M) | Unit Cost ($ M) | Qty (Each) | Total Cost ($ M) |
| Hardware - Minimum Essential Emergency Comm N Cost | | | | | | | | | | | | | | | | | | |
| Recurring Cost | | | | | | | | | | | | | | | | | | |
| Global ASNT Terminals[†] | - | - | - | 4.063 | 48 | 195.027 | - | - | - | 2.713 | 48 | 130.225 | - | - | - | 2.713 | 48 | 130.225 |
| Electronic Security System (ESS)[†] | - | - | - | - | - | - | - | - | - | 0.079 | 90 | 7.150 | - | - | - | 0.079 | 90 | 7.150 |
| *Subtotal: Recurring Cost* | - | - | - | - | - | 195.027 | - | - | - | - | - | 137.375 | - | - | - | - | - | 137.375 |
| *Subtotal: Hardware - Minimum Essential Emergency Comm N Cost* | **-** | **-** | **-** | **-** | **-** | **195.027** | **-** | **-** | **-** | **-** | **-** | **137.375** | **-** | **-** | **-** | **-** | **-** | **137.375** |
| Support - Minimum Essential Emergency Communication Network (MEECN) Cost | | | | | | | | | | | | | | | | | | |
| Direct Mission Suppt (DMS) | - | - | - | - | - | 1.569 | - | - | - | - | - | 0.685 | - | - | - | - | - | 0.685 |
| Program Support Cost (PSC) | - | - | - | - | - | 2.329 | - | - | 0.292 | - | - | 2.815 | - | - | - | - | - | 2.815 |
| *Subtotal: Support - Minimum Essential Emergency Communication Network (MEECN) Cost* | **-** | **-** | **-** | **-** | **-** | **3.898** | **-** | **-** | **0.292** | **-** | **-** | **3.500** | **-** | **-** | **-** | **-** | **-** | **3.500** |
| **Gross/Weapon System Cost** | **-** | **-** | **-** | **-** | **-** | **198.925** | **-** | **-** | **0.292** | **-** | **-** | **140.875** | **-** | **-** | **-** | **-** | **-** | **140.875** |

[†] indicates the presence of a P-5a

LI 834210 - Minimum Essential Emergency Comm N
Air Force

**UNCLASSIFIED**
Page 3 of 4

P-1 Line #31

**Volume 1 - 305**

| Exhibit P-5a, Procurement History and Planning: PB 2019 Air Force | | | | | | | | | | | | Date: February 2018 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Appropriation / Budget Activity / Budget Sub Activity:** 3080F / 03 / 4 | | | | **P-1 Line Item Number / Title:** 834210 / Minimum Essential Emergency Comm N | | | | | | | | **Item Number / Title [DODIC]:** Minimum Essential Emergency Comm N | |

| Cost Elements | O C O | FY | Contractor and Location | Method/Type or Funding Vehicle | Location of PCO | Award Date | Date of First Delivery | Qty (Each) | Unit Cost ($ M) | Specs Avail Now? | Date Revision Available | RFP Issue Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Global ASNT Terminals | | 2017 | Raytheon / Largo, FL | C / FFP | AFLCMC Hanscom AFB | Feb 2019 | May 2020 | 48 | 4.063 | N | Feb 2019 | |
| Global ASNT Terminals | | 2019 | Raytheon / Largo, FL | C / FFP | AFLCMC Hanscom AFB | Feb 2019 | May 2020 | 48 | 2.713 | N | Feb 2019 | |
| Electronic Security System (ESS) | | 2019 | Raytheon / Largo, FL | C / FFP | Hanscom AFB | Feb 2019 | May 2020 | 90 | 0.079 | N | Feb 2019 | |

LI 834210 - Minimum Essential Emergency Comm N
Air Force

**UNCLASSIFIED**
Page 4 of 4

P-1 Line #31

**Volume 1 - 306**