Family of Beyond Line-of-Sight - Terminals (FAB-T)
As of December 31, 2012

Defense Acquisition Management
Information Retrieval
(DAMIR)
# Table of Contents

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Program Information</td>
<td>3</td>
</tr>
<tr>
<td>Responsible Office</td>
<td>3</td>
</tr>
<tr>
<td>References</td>
<td>3</td>
</tr>
<tr>
<td>Mission and Description</td>
<td>4</td>
</tr>
<tr>
<td>Executive Summary</td>
<td>5</td>
</tr>
<tr>
<td>Threshold Breaches</td>
<td>6</td>
</tr>
<tr>
<td>Schedule</td>
<td>7</td>
</tr>
<tr>
<td>Performance</td>
<td>9</td>
</tr>
<tr>
<td>Track To Budget</td>
<td>15</td>
</tr>
<tr>
<td>Cost and Funding</td>
<td>16</td>
</tr>
<tr>
<td>Low Rate Initial Production</td>
<td>26</td>
</tr>
<tr>
<td>Foreign Military Sales</td>
<td>27</td>
</tr>
<tr>
<td>Nuclear Cost</td>
<td>27</td>
</tr>
<tr>
<td>Unit Cost</td>
<td>28</td>
</tr>
<tr>
<td>Cost Variance</td>
<td>31</td>
</tr>
<tr>
<td>Contracts</td>
<td>34</td>
</tr>
<tr>
<td>Deliveries and Expenditures</td>
<td>36</td>
</tr>
<tr>
<td>Operating and Support Cost</td>
<td>37</td>
</tr>
</tbody>
</table>
Program Information

Program Name
Family of Beyond Line-of-Sight - Terminals (FAB-T)

DoD Component
Air Force

Joint Participants
US Navy (E-6 TACAMO aircraft); US Navy (Ground Terminals); US Army (Ground Terminals)

Responsible Office

Responsible Office
Col Cordell A. DeLaPena, Jr.
202 Burlington Road
Bldg MITRE D
Bedford, MA 01730
cordell.delapena@hanscom.af.mil

Phone 781-271-4820
Fax --
DSN Phone 478-1186 ext. 14820
DSN Fax --
Date Assigned April 4, 2011

References

SAR Baseline (Development Estimate)
FY 2008 President's Budget dated February 1, 2007

Approved APB
Defense Acquisition Executive (DAE) Approved Acquisition Program Baseline (APB) dated December 22, 2007
Mission and Description

The FAB-T program will develop nuclear survivable terminals capable of communicating with the Milstar and Advanced Extremely High Frequency (AEHF) satellite constellations using both the Extremely High Frequency (EHF) and AEHF jam-resistant Low Probability of Intercept/Low Probability of Detect (LPI/LPD) waveforms. These terminals will be an essential component of the strategic nuclear execution system. FAB-T terminals are planned for the B-2, B-52, and RC-135 aircraft and to upgrade the existing Command Post Terminals (CPTs) located on the ground (fixed and transportable) and airborne on the E-4B and E-6 Take Charge and Move Out (TACAMO) aircraft. Mission capabilities include Presidential and National Voice Conferencing (PNVC); Integrated Tactical Warning Attack Assessment (ITW/AA); Emergency Action Message (EAM) Dissemination; Telemetry, Tracking & Control (TT&C); and Force Reportback.
Executive Summary

In 2012, the Department took significant steps to reintroduce competition and make the Family of Advanced Beyond Line-of-Sight Terminals (FAB-T) program more affordable. The program converted the Program of Record contract with Boeing from Cost Plus Award Fee to Firm Fixed Price, introduced competition to the program with the award of an Alternate Source development contract to Raytheon, and developed an Acquisition Strategy to competitively award Production contracts in 2013 to contain cost.

Additionally, the Program implemented specific program management efficiencies. The Program Office now directly reports to the Program Executive Officer (PEO) which aids in streamlined decision-making. The Program Office also increased staffing to support the parallel strategies the program is executing.

Affordability concerns remain due to uncertainty of projected Advanced Wideband Terminal funding by the Air Force in 2013, sequestration, and contractor schedule risks. The program will leverage the newly introduced competition to focus on affordability and will lock in production prices in 2013, further preserving the Department’s trade space.

By the end of 2012, Boeing reduced schedule risk by completing both hardware and software integration testing and software qualification testing. Boeing is engaged in resolving remaining hardware and software anomalies in final preparation for Functional Qualification Testing scheduled for the first quarter of calendar year 2013. They are presently tracking close to their detailed program schedule with flight testing planned to start in second quarter of calendar year 2013.

The Alternate Source contract was awarded to Raytheon in September 2012. The initial award included completion of Critical Design Review with a demonstration by the end of second quarter of calendar year 2013. Raytheon completed System Requirements Review and are on track to conduct Preliminary Design Review in the second quarter, fiscal year 2013. The effort is aggressively scheduled requiring a high degree of concurrency in hardware and software development.

The introduction of competition will have a significant impact on production pricing. Updated Independent Cost Estimate and new Acquisition Program Baseline are pending the assessment of production proposals and will be established with the award of production contracts.

There are no significant software-related issues with this program at this time, however, risk remains for both contractors to complete software development within the aggressive schedule.
Threshold Breaches

| APB Breaches | |
| Schedule | ☑ | Performance | ☐ |
| Cost | RDT&E | ☑ | Procurement | ☐ | MILCON | ☐ | Acq O&M | ☐ |
| O&S Cost | ☐ | Unit Cost | PAUC | ☑ | APUC | ☐ |

**Explanation of Breach**

Research, Development, Test, & Evaluation (RDT&E) cost growth was driven by hardware qualification failures and integration and test complexities that resulted in schedule delays for the Boeing Development contract. The Schedule, RDT&E Cost, and Program Acquisition Unit Cost (PAUC) Acquisition Program Baseline (APB) breaches were reported in the December 2011 SAR.

In Calendar Year (CY) 2012, the entire program was restructured to control costs and introduce competition. Competitive production proposals were received 1st quarter CY 2013. A revised Independent Cost Estimate and APB to rebaseline the program is targeted for 4th quarter FY 2013.

**Nunn-McCurdy Breaches**

| Current UCR Baseline | |
| PAUC | None | APUC | None |

| Original UCR Baseline | |
| PAUC | None | APUC | None |
## Schedule

<table>
<thead>
<tr>
<th>Milestones</th>
<th>SAR Baseline</th>
<th>Current APB Development Objective/Threshold</th>
<th>Current Estimate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contract Award (Increment 1)</td>
<td>SEP 2002</td>
<td>SEP 2002</td>
<td>SEP 2002</td>
</tr>
<tr>
<td>Conduct Low Data Rate (LDR) System Critical Design Review (CDR)</td>
<td>FEB 2007</td>
<td>FEB 2007</td>
<td>AUG 2007</td>
</tr>
<tr>
<td>Conduct Extended High Data Rate (XDR) System CDR</td>
<td>JUL 2008</td>
<td>OCT 2008</td>
<td>APR 2009</td>
</tr>
<tr>
<td>Deliver First LDR System Engineering Development Model (EDM)</td>
<td>DEC 2008</td>
<td>DEC 2008</td>
<td>JUN 2009</td>
</tr>
<tr>
<td>Low Rate Initial Production (LRIP) Decision System LDR</td>
<td>FEB 2010</td>
<td>FEB 2010</td>
<td>AUG 2010</td>
</tr>
<tr>
<td>Full Rate Production (FRP) Decision</td>
<td>JUL 2011</td>
<td>DEC 2011</td>
<td>JUN 2012</td>
</tr>
<tr>
<td>Initial Operational Capability (IOC)</td>
<td>JUN 2013</td>
<td>JUN 2013</td>
<td>DEC 2013</td>
</tr>
<tr>
<td>Full Operational Capability (FOC)</td>
<td>SEP 2016</td>
<td>SEP 2016</td>
<td>MAR 2017</td>
</tr>
</tbody>
</table>

1APB Breach
Change Explanations

(Ch-1) The date changes are a result of the program restructure in accordance with revised Acquisition Strategy. LRIP Decision from APR 2013 to FEB 2014, OT&E Complete from DEC 2013 to DEC 2014; FRP Decision from DEC 2014 to MAR 2015, IOC from MAR 2017 to SEP 2019, and FOC from DEC 2020 to MAR 2021.

Memo

Breached Milestone dates have been reported in previous SAR cycles. The FAB-T SAR continues to report against the 2007 Acquisition Program Baseline (APB). The Under Secretary of Defense (Acquisition, Technology & Logistics) Acquisition Decision Memorandum, dated August 23, 2012, directed a new APB be developed prior to the Production pre-award In-Process Review Defense Acquisition Board (DAB). To support this DAB, planned for 4th quarter FY 2013, an Independent Cost Estimate (ICE) will be developed to support an updated APB. The revised APB will include an accurate and applicable schedule for the program to report against.
## Performance

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>SAR Baseline Dev Est</th>
<th>Current APB Development Objective/Threshold</th>
<th>Demonstrated Performance</th>
<th>Current Estimate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Interoperability</td>
<td>Enable all top-level IERs, as depicted by mission area and designated critical between sending and receiving nodes</td>
<td>Enable all top-level IERs, as depicted by mission area and designated critical between sending and receiving nodes</td>
<td>Flight test conducted with LDR AWT August 2009 showing transmit and receive interoperability with legacy AF CPT for text, voice, and data through operational Milstar satellites, included reception of test EAMs</td>
<td>Enable all top-level IERs, as depicted by mission area and designated critical between sending and receiving nodes</td>
</tr>
<tr>
<td>Information Assurance</td>
<td>Meet DoD IA criteria and be certified/accredited IAW DoD 8510.1-M, DoD 8500.1, and DoDI 8500.2, or DoD certification and accreditation process at time of contract award</td>
<td>Meet DoD IA criteria and be certified/accredited IAW DoD 8510.1-M, DoD 8500.1, and DoDI 8500.2, or DoD certification and accreditation process at time of contract award</td>
<td>During 2007, FAB-T TPO created a DITSCAP to DIACAP transition plan. This has now been approved by the Air Force Space Command DAA and FABT is on the DIACAP C&amp;A path</td>
<td>Meet DoD IA criteria and be certified/accredited IAW DoD 8510.1-M, DoD 8500.1, and DoDI 8500.2, or DoD certification and accreditation process at time of contract award</td>
</tr>
<tr>
<td>Survivability</td>
<td>FMC w/o damage/degradation, throughout the nuclear environment that the air</td>
<td>FMC w/o damage/degradation, throughout the nuclear environment that the air</td>
<td>TBD</td>
<td>FMC w/o damage/degradation, throughout the nuclear environment that the air</td>
</tr>
</tbody>
</table>

---
<table>
<thead>
<tr>
<th>AWT Legacy Milstar Support</th>
<th>AWT Nuclear Interoperability</th>
<th>AWT Security Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>Provide legacy Milstar dedicated connections to transmit/receive functions associated with individual Milstar service/nets (Milstar LDR BC and AEHF equivalent BC)</td>
<td>Inter-operate with platform required JCS nuclear protected IER</td>
<td>Protect all transmitted and received Information</td>
</tr>
<tr>
<td>Provide legacy Milstar dedicated connections to transmit/receive functions associated with individual Milstar service/nets (Milstar LDR BC and AEHF equivalent BC)</td>
<td>Inter-operate with platform required JCS nuclear protected IER</td>
<td>Protect all transmitted and received Information</td>
</tr>
<tr>
<td>Block 6 LDR terminal acquired downlink, uplink and logged on operational Milstar satellite</td>
<td>Flight test conducted with LDR AWT August 2009 showing transmit and receive interoperability with legacy AF CPT for text, voice, and data through operational Milstar satellites, included reception of test EAMs</td>
<td>NSA Evaluation of Block 6 completed June 2009. Multiple</td>
</tr>
<tr>
<td>Provide legacy Milstar dedicated connections to transmit/receive functions associated with individual Milstar service/nets (Milstar LDR BC and AEHF equivalent BC)</td>
<td>Interoperate with platform required JCS nuclear protected IER</td>
<td>Protect all transmitted and received Information</td>
</tr>
<tr>
<td>AWT Security Levels</td>
<td>Process and/or disseminate information products at any single level of classification up to and including TS/SCI</td>
<td>Process and/or disseminate information products at any single level of classification up to and including TS/SCI</td>
</tr>
<tr>
<td>---------------------</td>
<td>-------------------------------------------------------------------------------------------------</td>
<td>-------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>AWT Force Direction/Reportback</td>
<td>Enable EAM dissemination and FE report back</td>
<td>Enable EAM dissemination and FE report back</td>
</tr>
<tr>
<td>CPT Control Interface</td>
<td>Support use of ASMCS and MPSS satellite / network / terminal control equipment</td>
<td>Support use of ASMCS and MPSS satellite / network / terminal control equipment</td>
</tr>
<tr>
<td>CPT Backwards Compatibility</td>
<td>Compatibility with legacy EHF baseband functions associated with individual AEHF service / networks, SCIS, NPES</td>
<td>Compatibility with legacy EHF baseband functions associated with individual AEHF service / networks, SCIS, NPES</td>
</tr>
<tr>
<td></td>
<td>IEMATS, DIRECT and the Red Switch</td>
<td>IEMATS, DIRECT and the Red Switch</td>
</tr>
<tr>
<td>--------------------------------</td>
<td>----------------------------------</td>
<td>----------------------------------</td>
</tr>
<tr>
<td><strong>CPT Existing Terminal Coexistence</strong></td>
<td>Inter-operable with existing EHF terminals</td>
<td>Inter-operable with existing EHF terminals</td>
</tr>
<tr>
<td><strong>CPT Satellite Constellation Coexistences</strong></td>
<td>Inter-operable with the AEHF, APS, Milstar, and UFO-E/EE</td>
<td>Inter-operable with the AEHF, APS, Milstar, and UFO-E/EE</td>
</tr>
</tbody>
</table>

**Requirements Source:** Advanced Wideband Terminal (AWT) Operational Requirements Document (ORD) dated March 29, 2004 and Command Post Terminal (CPT) ORD dated March 12, 2002
Acronyms And Abbreviations

AEHF - Advanced Extremely High Frequency
AF - Air Force
APB - Acquisition Program Baseline
ASMCS - AEHF Satellite Mission Control Subsystem
AWT - Advanced Wideband Terminal
BC - Backward Compatible
C&A - Certification & Accreditation
CPT - Command Post Terminal
DAA - Designated Approving Authority
DIACAP - DoD Information Assurance Certification & Accreditation Process
DIRECT - Defense IEMATS Replacement Command and Control Terminal
DITSCAP - Defense Information Technology Security Certification and Accreditation Process
DoDI - Department of Defense Instruction
EAM - Emergency Action Message
EHF - Extremely High Frequency
EPS - Enhanced Polar System
FE - Force Element
FMC - Fully Mission Capable
IA - Information Assurance
IAW - In Accordance With
IEMATS - Improved Emergency Message Automatic Transmission System
IER - Information Exchange Requirement
JCS - Joint Chief of Staff
LDR - Low Data Rate
MPSS - Mission Planning Support System
NPES - Nuclear Planning and Execution System
NSA - National Security Agency
PCMR - Probability of Correct Message Receipt
SCIS - Secure Communications Integrated System
TS/SCI - Top Secret/Special Compartmented Information
UFO-E/EE - UHF Follow On - EHF/EHF Enhanced
w/o - without

Change Explanations

None

Memo

The following footnotes 1 through 13 apply to the above sections as listed:

Interoperability:  1 & 9
Information Assurance: 2 & 9
Survivability:  2 & 9
AWT Legacy Milstar Support:  3 & 9
AWT Nuclear Interoperability: 3 & 9
AWT Security Protection:  3 & 9
AWT Security Levels:  4, 9, & 10
AWT Force Direction/Reportback:  3 & 9
CPT Control Interface:  5 & 11
CPT Backwards Compatability:  6 & 12
CPT Existing Terminal Coexistence: 7
CPT Satellite Constellation Coexistences: 8 & 13

Footnotes:
1. Threshold requirements (critical IERs) placed on contract; objective requirements (noncritical IERs) not proposed by contractor. This performance parameter applies to both the AWT and CPT configurations (AWT Operational Requirements Document (ORD) March 29, 2004 and CPT ORD March 6, 2002).
2. This performance parameter applies to both AWT and CPT.
3. This performance parameter only applies to AWT configuration.
4. Threshold requirements (single level security) placed on contract; objective requirements (multi-level security) not proposed by contractor. This performance parameter only applies to the AWT configuration.
5. For FAB-T, access to privileged Tracking Telemetry and Control (TT&C) capabilities and resource controller capabilities is restricted through mission planning data sets and through dedicated COMSEC algorithms and associated keys. Terminal software shall assign privileges to ensure that only designated terminals at TT&C nodes will have TT&C capabilities and that only designated terminals at resource controller nodes will have resource controller capabilities. This performance parameter only applies to the CPT configuration.
6. The FAB-T interface to the Red Switch is via the Advanced Narrowband Digital Voice Terminal (ANDVT), and the interface to NPES is via SCIS. This performance parameter only applies to the CPT configuration.
7. FAB-T complies with the CPT interoperability requirements defined in the Terminal Segment Specification for the Milstar II Satellite Communications Program SR-2300 (excluding Digital Secure Voice Terminal (DSVT) KY-68, Asynchronous T1, Demand Assignment Multiple Access (DAMA) Limited Beam Management, LDR Full Beam Management of default agile locations, and Medium Data Rate (MDR) Capabilities) and Joint Terminal Segment Specification for the EHF Satellite
8. Interoperability with UFO/E and UFO/EE is predicated on the development by the AEHF Program of the capability for the terminal to receive mission planning data and TRANSEC keys from the Mission Planning Element. FAB-T is not expected to produce or deploy the capability associated with Advanced Polar System satellite interoperability. Terminal modifications for Advanced Polar System satellites are not funded. This performance parameter only applies to the CPT configuration. Note: Advanced Polar System is now Enhanced Polar System.
9. The LDR System provided to the strategic forces must meet the following Performance parameters in Section A: Interoperability, Information Assurance, Survivability, AWT Legacy Milstar, AWT Nuclear Interoperability, AWT Security Protection, AWT Security Levels, and AWT Force Direction/Reportback. The Extended Data Rate (XDR) System must meet all the Performance parameters in Section A.
10. Test event was delayed to FY 2012 as a result of software delays
11. Demo was delayed when the first integration event revealed interoperability issues. Resolution is being worked and fixes will be available for demonstration in FY 2012.
12. Due to end user terminal availability, compatibility will be tested via serial interface in FY 2012; operational testing is not planned until FY 2013 during IOT&E.
13. Extensive testing with on-orbit Milstar satellite has occurred; two LDR tests with the AEHF payload (prior to launch) have been completed; AEHF satellite is now on-orbit and when available for testing we will conduct interoperability testing.
Track To Budget

General Memo

FAB-T shares Program Element (PE) 0303601F Project 672487 with funding for non-Major Defense Acquisition Program (MDAP) efforts. FAB-T shares the Other Aircraft (OTHACF) line item with other modification programs, shares the 000999 Initial Spares line item with other programs, and shares 836780 with other Military Satellite Communication (MILSATCOM) programs.

RDT&E

<table>
<thead>
<tr>
<th>APPN 3600</th>
<th>BA 07</th>
<th>PE 0303601F</th>
<th>(Air Force)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project 672487</td>
<td>MILSATCOM Terminals</td>
<td>(Shared)</td>
<td>(Sunk)</td>
</tr>
<tr>
<td>Project 672489</td>
<td>FAB-T Alternative</td>
<td>(Sunk)</td>
<td></td>
</tr>
<tr>
<td>Project 672490</td>
<td>Family of Adv Beyond Line of Sight Terminals (FAB-T)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Procurement

<table>
<thead>
<tr>
<th>APPN 3010</th>
<th>BA 06</th>
<th>PE 0303601F</th>
<th>(Air Force)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICN 000999</td>
<td>Initial Spares/Repair Parts</td>
<td>(Shared)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>APPN 3010</th>
<th>BA 05</th>
<th>PE 0303601F</th>
<th>(Air Force)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICN OTHACF</td>
<td>Other Aircraft</td>
<td>(Shared)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>APPN 3080</th>
<th>BA 03</th>
<th>PE 0303601F</th>
<th>(Air Force)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICN 836780</td>
<td>MILSATCOM Space</td>
<td>(Shared)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>APPN 3080</th>
<th>BA 05</th>
<th>PE 0303601F</th>
<th>(Air Force)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICN 861900</td>
<td>Spares and Repair Parts</td>
<td>(Shared)</td>
<td></td>
</tr>
</tbody>
</table>
Cost and Funding

Cost Summary

<table>
<thead>
<tr>
<th>Appropriation</th>
<th>BY2002 $M</th>
<th>TY $M</th>
</tr>
</thead>
<tbody>
<tr>
<td>RDT&amp;E</td>
<td>1273.8</td>
<td>1283.2</td>
</tr>
<tr>
<td>Procurement</td>
<td>1368.5</td>
<td>1677.3</td>
</tr>
<tr>
<td>Flyaway</td>
<td>1097.8</td>
<td>--</td>
</tr>
<tr>
<td>Recurring</td>
<td>1069.1</td>
<td>--</td>
</tr>
<tr>
<td>Non Recurring</td>
<td>28.7</td>
<td>--</td>
</tr>
<tr>
<td>Support</td>
<td>270.7</td>
<td>--</td>
</tr>
<tr>
<td>Other Support</td>
<td>0.0</td>
<td>--</td>
</tr>
<tr>
<td>Initial Spares</td>
<td>270.7</td>
<td>--</td>
</tr>
<tr>
<td>MILCON</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Acq O&amp;M</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Total</td>
<td>2642.3</td>
<td>2960.5</td>
</tr>
</tbody>
</table>

1 APB Breach

Distribution of procurement funds and quantities will be adjusted based on funding priorities and terminal schedules as a result of the production competition.
Cost and Funding

Funding Summary

Appropriation and Quantity Summary
FY2014 President’s Budget / December 2012 SAR (TY$ M)

<table>
<thead>
<tr>
<th>Appropriation</th>
<th>Prior FY2013</th>
<th>FY2014</th>
<th>FY2015</th>
<th>FY2016</th>
<th>FY2017</th>
<th>FY2018</th>
<th>To Complete</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>RDT&amp;E</td>
<td>1912.6</td>
<td>97.9</td>
<td>140.2</td>
<td>55.9</td>
<td>4.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Procurement</td>
<td>11.2</td>
<td>9.6</td>
<td>74.9</td>
<td>120.0</td>
<td>299.6</td>
<td>267.0</td>
<td>271.8</td>
<td>1409.9</td>
</tr>
<tr>
<td>MILCON</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Acq O&amp;M</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>PB 2014 Total</td>
<td>1923.8</td>
<td>107.5</td>
<td>215.1</td>
<td>175.9</td>
<td>303.6</td>
<td>267.0</td>
<td>271.8</td>
<td>1409.9</td>
</tr>
<tr>
<td>PB 2013 Total</td>
<td>1914.0</td>
<td>107.5</td>
<td>159.4</td>
<td>169.1</td>
<td>303.0</td>
<td>270.7</td>
<td>571.5</td>
<td>1207.5</td>
</tr>
<tr>
<td>Delta</td>
<td>9.8</td>
<td>0.0</td>
<td>55.7</td>
<td>6.8</td>
<td>0.6</td>
<td>-3.7</td>
<td>-299.7</td>
<td>202.4</td>
</tr>
</tbody>
</table>

Program funding and production quantities listed in this SAR are consistent with the FY 2014 President’s Budget (PB). The FY 2014 PB did not reflect the enacted DoD appropriation for FY 2013, nor sequestration; it reflected the President’s requested amounts for FY 2013.

Distribution of procurement funds will be adjusted based on terminal schedules and priorities as a result of production competition.

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Undistributed</th>
<th>Prior FY2013</th>
<th>FY2014</th>
<th>FY2015</th>
<th>FY2016</th>
<th>FY2017</th>
<th>FY2018</th>
<th>To Complete</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Development</td>
<td>30</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>30</td>
<td>30</td>
</tr>
<tr>
<td>Production</td>
<td>0</td>
<td>0</td>
<td>4</td>
<td>9</td>
<td>19</td>
<td>16</td>
<td>16</td>
<td>152</td>
<td>216</td>
</tr>
<tr>
<td>PB 2014 Total</td>
<td>30</td>
<td>0</td>
<td>4</td>
<td>9</td>
<td>19</td>
<td>16</td>
<td>16</td>
<td>152</td>
<td>246</td>
</tr>
<tr>
<td>PB 2013 Total</td>
<td>30</td>
<td>0</td>
<td>0</td>
<td>10</td>
<td>20</td>
<td>24</td>
<td>42</td>
<td>120</td>
<td>246</td>
</tr>
<tr>
<td>Delta</td>
<td>0</td>
<td>0</td>
<td>4</td>
<td>-1</td>
<td>-1</td>
<td>-8</td>
<td>-26</td>
<td>32</td>
<td>0</td>
</tr>
</tbody>
</table>
## Cost and Funding

### Annual Funding By Appropriation

**Annual Funding TY$**

3600 | RDT&E | Research, Development, Test, and Evaluation, Air Force

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>Quantity</th>
<th>End Item Recurring Flyaway TY $M</th>
<th>Non End Item Recurring Flyaway TY $M</th>
<th>Non Recurring Flyaway TY $M</th>
<th>Total Flyaway TY $M</th>
<th>Total Support TY $M</th>
<th>Total Program TY $M</th>
</tr>
</thead>
<tbody>
<tr>
<td>2001</td>
<td></td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>5.3</td>
</tr>
<tr>
<td>2002</td>
<td></td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>10.5</td>
</tr>
<tr>
<td>2003</td>
<td></td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>51.8</td>
</tr>
<tr>
<td>2004</td>
<td></td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>114.8</td>
</tr>
<tr>
<td>2005</td>
<td></td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>173.1</td>
</tr>
<tr>
<td>2006</td>
<td></td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>196.2</td>
</tr>
<tr>
<td>2007</td>
<td></td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>193.0</td>
</tr>
<tr>
<td>2008</td>
<td></td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>277.6</td>
</tr>
<tr>
<td>2009</td>
<td></td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>210.2</td>
</tr>
<tr>
<td>2010</td>
<td></td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>189.5</td>
</tr>
<tr>
<td>2011</td>
<td></td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>263.9</td>
</tr>
<tr>
<td>2012</td>
<td></td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>226.7</td>
</tr>
<tr>
<td>2013</td>
<td></td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>97.9</td>
</tr>
<tr>
<td>2014</td>
<td></td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>140.2</td>
</tr>
<tr>
<td>2015</td>
<td></td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>55.9</td>
</tr>
<tr>
<td>2016</td>
<td></td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>4.0</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td><strong>30</strong></td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td><strong>2210.6</strong></td>
</tr>
</tbody>
</table>
## Annual Funding BY$
3600 | RDT&E | Research, Development, Test, and Evaluation, Air Force

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>Quantity</th>
<th>End Item Recurring Flyaway BY 2002 $M</th>
<th>Non End Item Recurring Flyaway BY 2002 $M</th>
<th>Non Recurring Flyaway BY 2002 $M</th>
<th>Total Flyaway BY 2002 $M</th>
<th>Total Support BY 2002 $M</th>
<th>Total Program BY 2002 $M</th>
</tr>
</thead>
<tbody>
<tr>
<td>2001</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>5.3</td>
</tr>
<tr>
<td>2002</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>10.4</td>
</tr>
<tr>
<td>2003</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>50.7</td>
</tr>
<tr>
<td>2004</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>109.7</td>
</tr>
<tr>
<td>2005</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>161.2</td>
</tr>
<tr>
<td>2006</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>177.4</td>
</tr>
<tr>
<td>2007</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>170.0</td>
</tr>
<tr>
<td>2008</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>239.7</td>
</tr>
<tr>
<td>2009</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>179.1</td>
</tr>
<tr>
<td>2010</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>159.4</td>
</tr>
<tr>
<td>2011</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>217.7</td>
</tr>
<tr>
<td>2012</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>183.3</td>
</tr>
<tr>
<td>2013</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>77.4</td>
</tr>
<tr>
<td>2014</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>108.8</td>
</tr>
<tr>
<td>2015</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>42.6</td>
</tr>
<tr>
<td>2016</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>3.0</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td><strong>30</strong></td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td><strong>1895.7</strong></td>
</tr>
</tbody>
</table>
# Annual Funding TY$

## 3010 | Procurement | Aircraft Procurement, Air Force

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>Quantity</th>
<th>End Item Recurring Flyaway TY $M</th>
<th>Non End Item Recurring Flyaway TY $M</th>
<th>Non Recurring Flyaway TY $M</th>
<th>Total Flyaway TY $M</th>
<th>Total Support TY $M</th>
<th>Total Program TY $M</th>
</tr>
</thead>
<tbody>
<tr>
<td>2007</td>
<td>--</td>
<td>4.3</td>
<td>--</td>
<td>--</td>
<td>4.3</td>
<td>--</td>
<td>4.3</td>
</tr>
<tr>
<td>2008</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>2009</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>2010</td>
<td>--</td>
<td>1.3</td>
<td>--</td>
<td>--</td>
<td>1.3</td>
<td>--</td>
<td>1.3</td>
</tr>
<tr>
<td>2011</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>2012</td>
<td>--</td>
<td>3.8</td>
<td>--</td>
<td>--</td>
<td>3.8</td>
<td>--</td>
<td>3.8</td>
</tr>
<tr>
<td>2013</td>
<td>--</td>
<td>4.6</td>
<td>--</td>
<td>--</td>
<td>4.6</td>
<td>--</td>
<td>4.6</td>
</tr>
<tr>
<td>2014</td>
<td>--</td>
<td>1.9</td>
<td>--</td>
<td>--</td>
<td>1.9</td>
<td>--</td>
<td>1.9</td>
</tr>
<tr>
<td>2015</td>
<td>4</td>
<td>25.3</td>
<td>--</td>
<td>--</td>
<td>25.3</td>
<td>12.6</td>
<td>37.9</td>
</tr>
<tr>
<td>2016</td>
<td>3</td>
<td>17.0</td>
<td>--</td>
<td>--</td>
<td>17.0</td>
<td>10.8</td>
<td>27.8</td>
</tr>
<tr>
<td>2017</td>
<td>1</td>
<td>5.7</td>
<td>--</td>
<td>--</td>
<td>5.7</td>
<td>7.2</td>
<td>12.9</td>
</tr>
<tr>
<td>2018</td>
<td>1</td>
<td>5.7</td>
<td>--</td>
<td>--</td>
<td>5.7</td>
<td>7.4</td>
<td>13.1</td>
</tr>
<tr>
<td>2019</td>
<td>35</td>
<td>215.8</td>
<td>--</td>
<td>--</td>
<td>215.8</td>
<td>62.5</td>
<td>278.3</td>
</tr>
<tr>
<td>2020</td>
<td>50</td>
<td>312.5</td>
<td>--</td>
<td>--</td>
<td>312.5</td>
<td>85.0</td>
<td>397.5</td>
</tr>
<tr>
<td>2021</td>
<td>50</td>
<td>312.5</td>
<td>--</td>
<td>--</td>
<td>312.5</td>
<td>85.0</td>
<td>397.5</td>
</tr>
</tbody>
</table>

| Subtotal    | 144      | 910.4                            | --                                  | --                          | 910.4             | 270.5             | 1180.9            |
### Annual Funding BY$  
#### 3010 | Procurement | Aircraft Procurement, Air Force

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>Quantity</th>
<th>End Item Recurring Flyaway BY 2002 $M</th>
<th>Non End Item Recurring Flyaway BY 2002 $M</th>
<th>Non Recurring Flyaway BY 2002 $M</th>
<th>Total Flyaway BY 2002 $M</th>
<th>Total Support BY 2002 $M</th>
<th>Total Program BY 2002 $M</th>
</tr>
</thead>
<tbody>
<tr>
<td>2007</td>
<td>--</td>
<td>3.7</td>
<td>--</td>
<td>--</td>
<td>3.7</td>
<td>--</td>
<td>3.7</td>
</tr>
<tr>
<td>2008</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>2009</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>2010</td>
<td>--</td>
<td>1.1</td>
<td>--</td>
<td>--</td>
<td>1.1</td>
<td>--</td>
<td>1.1</td>
</tr>
<tr>
<td>2011</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>2012</td>
<td>--</td>
<td>3.0</td>
<td>--</td>
<td>--</td>
<td>3.0</td>
<td>--</td>
<td>3.0</td>
</tr>
<tr>
<td>2013</td>
<td>--</td>
<td>3.5</td>
<td>--</td>
<td>--</td>
<td>3.5</td>
<td>--</td>
<td>3.5</td>
</tr>
<tr>
<td>2014</td>
<td>--</td>
<td>1.4</td>
<td>--</td>
<td>--</td>
<td>1.4</td>
<td>--</td>
<td>1.4</td>
</tr>
<tr>
<td>2015</td>
<td>4</td>
<td>18.7</td>
<td>--</td>
<td>--</td>
<td>18.7</td>
<td>9.4</td>
<td>28.1</td>
</tr>
<tr>
<td>2016</td>
<td>3</td>
<td>12.4</td>
<td>--</td>
<td>--</td>
<td>12.4</td>
<td>7.8</td>
<td>20.2</td>
</tr>
<tr>
<td>2017</td>
<td>1</td>
<td>4.1</td>
<td>--</td>
<td>--</td>
<td>4.1</td>
<td>5.1</td>
<td>9.2</td>
</tr>
<tr>
<td>2018</td>
<td>1</td>
<td>4.0</td>
<td>--</td>
<td>--</td>
<td>4.0</td>
<td>5.2</td>
<td>9.2</td>
</tr>
<tr>
<td>2019</td>
<td>35</td>
<td>148.2</td>
<td>--</td>
<td>--</td>
<td>148.2</td>
<td>43.0</td>
<td>191.2</td>
</tr>
<tr>
<td>2020</td>
<td>50</td>
<td>210.7</td>
<td>--</td>
<td>--</td>
<td>210.7</td>
<td>57.3</td>
<td>268.0</td>
</tr>
<tr>
<td>2021</td>
<td>50</td>
<td>206.7</td>
<td>--</td>
<td>--</td>
<td>206.7</td>
<td>56.3</td>
<td>263.0</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td><strong>144</strong></td>
<td><strong>617.5</strong></td>
<td><strong>--</strong></td>
<td><strong>--</strong></td>
<td><strong>617.5</strong></td>
<td><strong>184.1</strong></td>
<td><strong>801.6</strong></td>
</tr>
<tr>
<td>Fiscal Year</td>
<td>Quantity</td>
<td>End Item Recurring Flyaway (Aligned with Quantity) BY 2002 $M</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-------------</td>
<td>----------</td>
<td>---------------------------------------------------------------</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2007</td>
<td>--</td>
<td>--</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2008</td>
<td>--</td>
<td>--</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2009</td>
<td>--</td>
<td>--</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2010</td>
<td>--</td>
<td>--</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2011</td>
<td>--</td>
<td>--</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2012</td>
<td>--</td>
<td>--</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2013</td>
<td>--</td>
<td>--</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2014</td>
<td>--</td>
<td>--</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2015</td>
<td>4</td>
<td>17.2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2016</td>
<td>3</td>
<td>12.9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2017</td>
<td>1</td>
<td>4.3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2018</td>
<td>1</td>
<td>4.3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2019</td>
<td>35</td>
<td>150.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2020</td>
<td>50</td>
<td>214.4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2021</td>
<td>50</td>
<td>214.4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td><strong>144</strong></td>
<td><strong>617.5</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## Annual Funding TY$  
### 3080 | Procurement | Other Procurement, Air Force

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>Quantity</th>
<th>End Item Recurring Flyaway TY $M</th>
<th>Non End Item Recurring Flyaway TY $M</th>
<th>Non Recurring Flyaway TY $M</th>
<th>Total Flyaway TY $M</th>
<th>Total Support TY $M</th>
<th>Total Program TY $M</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010</td>
<td>--</td>
<td>1.8</td>
<td>--</td>
<td>--</td>
<td>1.8</td>
<td>--</td>
<td>1.8</td>
</tr>
<tr>
<td>2011</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>2012</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>2013</td>
<td>--</td>
<td>5.0</td>
<td>--</td>
<td>--</td>
<td>5.0</td>
<td>--</td>
<td>5.0</td>
</tr>
<tr>
<td>2014</td>
<td>4</td>
<td>67.4</td>
<td>--</td>
<td>--</td>
<td>67.4</td>
<td>5.6</td>
<td>73.0</td>
</tr>
<tr>
<td>2015</td>
<td>5</td>
<td>41.9</td>
<td>--</td>
<td>--</td>
<td>41.9</td>
<td>40.2</td>
<td>82.1</td>
</tr>
<tr>
<td>2016</td>
<td>16</td>
<td>190.0</td>
<td>--</td>
<td>--</td>
<td>190.0</td>
<td>81.8</td>
<td>271.8</td>
</tr>
<tr>
<td>2017</td>
<td>15</td>
<td>167.2</td>
<td>--</td>
<td>--</td>
<td>167.2</td>
<td>86.9</td>
<td>254.1</td>
</tr>
<tr>
<td>2018</td>
<td>15</td>
<td>183.9</td>
<td>--</td>
<td>--</td>
<td>183.9</td>
<td>74.8</td>
<td>258.7</td>
</tr>
<tr>
<td>2019</td>
<td>17</td>
<td>260.1</td>
<td>--</td>
<td>--</td>
<td>260.1</td>
<td>76.5</td>
<td>336.6</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td><strong>72</strong></td>
<td><strong>917.3</strong></td>
<td><strong>--</strong></td>
<td><strong>--</strong></td>
<td><strong>917.3</strong></td>
<td><strong>365.8</strong></td>
<td><strong>1283.1</strong></td>
</tr>
</tbody>
</table>
### Annual Funding BY$ 3080 | Procurement | Other Procurement, Air Force

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>Quantity</th>
<th>End Item Recurring Flyaway BY 2002 $M</th>
<th>Non End Item Recurring Flyaway BY 2002 $M</th>
<th>Non Recurring Flyaway BY 2002 $M</th>
<th>Total Flyaway BY 2002 $M</th>
<th>Total Support BY 2002 $M</th>
<th>Total Program BY 2002 $M</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010</td>
<td>--</td>
<td>1.5</td>
<td>--</td>
<td>--</td>
<td>1.5</td>
<td>--</td>
<td>1.5</td>
</tr>
<tr>
<td>2011</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>2012</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>2013</td>
<td>--</td>
<td>4.0</td>
<td>--</td>
<td>--</td>
<td>4.0</td>
<td>--</td>
<td>4.0</td>
</tr>
<tr>
<td>2014</td>
<td>4</td>
<td>52.5</td>
<td>--</td>
<td>--</td>
<td>52.5</td>
<td>4.3</td>
<td>56.8</td>
</tr>
<tr>
<td>2015</td>
<td>5</td>
<td>32.0</td>
<td>--</td>
<td>--</td>
<td>32.0</td>
<td>30.7</td>
<td>62.7</td>
</tr>
<tr>
<td>2016</td>
<td>16</td>
<td>142.5</td>
<td>--</td>
<td>--</td>
<td>142.5</td>
<td>61.3</td>
<td>203.8</td>
</tr>
<tr>
<td>2017</td>
<td>15</td>
<td>123.0</td>
<td>--</td>
<td>--</td>
<td>123.0</td>
<td>64.0</td>
<td>187.0</td>
</tr>
<tr>
<td>2018</td>
<td>15</td>
<td>132.8</td>
<td>--</td>
<td>--</td>
<td>132.8</td>
<td>54.0</td>
<td>186.8</td>
</tr>
<tr>
<td>2019</td>
<td>17</td>
<td>184.3</td>
<td>--</td>
<td>--</td>
<td>184.3</td>
<td>54.3</td>
<td>238.6</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td><strong>72</strong></td>
<td><strong>672.6</strong></td>
<td>--</td>
<td>--</td>
<td><strong>672.6</strong></td>
<td><strong>268.6</strong></td>
<td><strong>941.2</strong></td>
</tr>
</tbody>
</table>
## Cost Quantity Information

3080 | Procurement | Other Procurement, Air Force

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>Quantity</th>
<th>End Item Recurring Flyaway (Aligned with Quantity) BY 2002 $M</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>2011</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>2012</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>2013</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>2014</td>
<td>4</td>
<td>37.4</td>
</tr>
<tr>
<td>2015</td>
<td>5</td>
<td>46.7</td>
</tr>
<tr>
<td>2016</td>
<td>16</td>
<td>149.5</td>
</tr>
<tr>
<td>2017</td>
<td>15</td>
<td>140.1</td>
</tr>
<tr>
<td>2018</td>
<td>15</td>
<td>140.1</td>
</tr>
<tr>
<td>2019</td>
<td>17</td>
<td>158.8</td>
</tr>
</tbody>
</table>

**Subtotal** | **72** | **672.6** |
Low Rate Initial Production

<table>
<thead>
<tr>
<th>Initial LRIP Decision</th>
<th>Current Total LRIP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Approval Date</td>
<td>7/5/2009</td>
</tr>
<tr>
<td>Approved Quantity</td>
<td>101</td>
</tr>
<tr>
<td>Reference</td>
<td>Acquisition Strategy</td>
</tr>
<tr>
<td></td>
<td>Production Phase Addendum</td>
</tr>
<tr>
<td>Start Year</td>
<td>2010</td>
</tr>
<tr>
<td>End Year</td>
<td>2012</td>
</tr>
<tr>
<td></td>
<td>4/5/2012</td>
</tr>
<tr>
<td></td>
<td>24</td>
</tr>
<tr>
<td></td>
<td>Acquisition Strategy</td>
</tr>
<tr>
<td></td>
<td>Amendment</td>
</tr>
<tr>
<td></td>
<td>2014</td>
</tr>
<tr>
<td></td>
<td>2015</td>
</tr>
</tbody>
</table>

The Current Total LRIP Quantity is more than 10% of the total production quantity due to schedule to meet FY 2019 Initial Operational Capability (IOC) for Presidential & National Voice Conferencing capability.

The December 2011 SAR reported against the January 2009 Acquisition Strategy, which reflected a 3-year LRIP schedule and included Advanced Wideband Terminals to accomplish Initial Operational Test & Evaluation (IOT&E) with LRIP assets.

The Under Secretary of Defense for Acquisition, Technology & Logistics Acquisition Decision Memorandum, dated August 23, 2012, directed a new Acquisition Program Baseline (APB) be developed prior to the Production pre-award In-Process Review Defense Acquisition Board (DAB). To support this DAB, planned for 4th quarter FY 2013, an Independent Cost Estimate (ICE) will be developed to support an updated APB. The APB will include updated LRIP quantities.
Foreign Military Sales
None

Nuclear Cost
None
## Unit Cost

### Unit Cost Report

<table>
<thead>
<tr>
<th>Unit Cost</th>
<th>BY2002 $M</th>
<th>BY2002 $M</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Current UCR Baseline (DEC 2007 APB)</td>
<td>Current Estimate (DEC 2012 SAR)</td>
</tr>
<tr>
<td>Program Acquisition Unit Cost (PAUC)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cost</td>
<td>2960.5</td>
<td>3638.5</td>
</tr>
<tr>
<td>Quantity</td>
<td>222</td>
<td>246</td>
</tr>
<tr>
<td>Unit Cost</td>
<td>13.336</td>
<td>14.791</td>
</tr>
<tr>
<td>Average Procurement Unit Cost (APUC)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cost</td>
<td>1677.3</td>
<td>1742.8</td>
</tr>
<tr>
<td>Quantity</td>
<td>197</td>
<td>216</td>
</tr>
<tr>
<td>Unit Cost</td>
<td>8.514</td>
<td>8.069</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Unit Cost</th>
<th>BY2002 $M</th>
<th>BY2002 $M</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Original UCR Baseline (DEC 2007 APB)</td>
<td>Current Estimate (DEC 2012 SAR)</td>
</tr>
<tr>
<td>Program Acquisition Unit Cost (PAUC)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cost</td>
<td>2960.5</td>
<td>3638.5</td>
</tr>
<tr>
<td>Quantity</td>
<td>222</td>
<td>246</td>
</tr>
<tr>
<td>Unit Cost</td>
<td>13.336</td>
<td>14.791</td>
</tr>
<tr>
<td>Average Procurement Unit Cost (APUC)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cost</td>
<td>1677.3</td>
<td>1742.8</td>
</tr>
<tr>
<td>Quantity</td>
<td>197</td>
<td>216</td>
</tr>
<tr>
<td>Unit Cost</td>
<td>8.514</td>
<td>8.069</td>
</tr>
</tbody>
</table>

1 APB Unit Cost Breach
## Unit Cost History

### APB Unit Cost History

<table>
<thead>
<tr>
<th>Date</th>
<th>Original APB</th>
<th>APB as of January 2006</th>
<th>Revised Original APB</th>
<th>Prior APB</th>
<th>Current APB</th>
<th>Prior Annual SAR</th>
<th>Current Estimate</th>
</tr>
</thead>
<tbody>
<tr>
<td>BY2002 $M</td>
<td>PAUC</td>
<td>APUC</td>
<td>PAUC</td>
<td>APUC</td>
<td>PAUC</td>
<td>APUC</td>
<td>PAUC</td>
</tr>
<tr>
<td>APB as of January 2006</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Revised Original APB</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Prior APB</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Prior Annual SAR</td>
<td>DEC 2011</td>
<td>15.002</td>
<td>8.333</td>
<td>19.117</td>
<td>11.582</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### SAR Unit Cost History

**Current SAR Baseline to Current Estimate (TY $M)**

<table>
<thead>
<tr>
<th>Initial PAUC Dev Est</th>
<th>Changes</th>
<th>PAUC Current Est</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Econ</td>
<td>Qty</td>
</tr>
<tr>
<td>14.664</td>
<td>0.173</td>
<td>-1.002</td>
</tr>
</tbody>
</table>

May 21, 2013
15:38:54

UNCLASSIFIED
## Current SAR Baseline to Current Estimate (TY $M)

<table>
<thead>
<tr>
<th>Initial APUC Dev Est</th>
<th>Changes</th>
<th>APUC Current Est</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Econ</td>
<td>Qty</td>
</tr>
<tr>
<td></td>
<td>9.091</td>
<td>0.130</td>
</tr>
</tbody>
</table>

## SAR Baseline History

<table>
<thead>
<tr>
<th>Item/Event</th>
<th>SAR Planning Estimate (PE)</th>
<th>SAR Development Estimate (DE)</th>
<th>SAR Production Estimate (PdE)</th>
<th>Current Estimate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Milestone A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Milestone B</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Milestone C</td>
<td>N/A</td>
<td>FEB 2010</td>
<td>N/A</td>
<td>FEB 2014</td>
</tr>
<tr>
<td>IOC</td>
<td>N/A</td>
<td>JUN 2013</td>
<td>N/A</td>
<td>SEP 2019</td>
</tr>
<tr>
<td>Total Cost (TY $M)</td>
<td>N/A</td>
<td>3167.4</td>
<td>N/A</td>
<td>4674.6</td>
</tr>
<tr>
<td>Total Quantity</td>
<td>N/A</td>
<td>216</td>
<td>N/A</td>
<td>246</td>
</tr>
<tr>
<td>Prog. Acq. Unit Cost (PAUC)</td>
<td>N/A</td>
<td>14.664</td>
<td>N/A</td>
<td>19.002</td>
</tr>
</tbody>
</table>
## Cost Variance

<table>
<thead>
<tr>
<th>Summary Then Year $M</th>
<th>RDT&amp;E</th>
<th>Proc</th>
<th>MILCON</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>SAR Baseline (Dev Est)</td>
<td>1431.1</td>
<td>1736.3</td>
<td>--</td>
<td>3167.4</td>
</tr>
<tr>
<td>Previous Changes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Economic</td>
<td>+11.3</td>
<td>-12.3</td>
<td>--</td>
<td>-1.0</td>
</tr>
<tr>
<td>Quantity</td>
<td>+14.1</td>
<td>+179.5</td>
<td>--</td>
<td>+193.6</td>
</tr>
<tr>
<td>Schedule</td>
<td>--</td>
<td>+169.7</td>
<td>--</td>
<td>+169.7</td>
</tr>
<tr>
<td>Engineering</td>
<td>+174.7</td>
<td>--</td>
<td>--</td>
<td>+174.7</td>
</tr>
<tr>
<td>Estimating</td>
<td>+569.8</td>
<td>+105.2</td>
<td>--</td>
<td>+675.0</td>
</tr>
<tr>
<td>Other</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Support</td>
<td>--</td>
<td>+323.3</td>
<td>--</td>
<td>+323.3</td>
</tr>
<tr>
<td>Subtotal</td>
<td>+769.9</td>
<td>+765.4</td>
<td>--</td>
<td>+1535.3</td>
</tr>
<tr>
<td>Current Changes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Economic</td>
<td>+3.2</td>
<td>+40.3</td>
<td>--</td>
<td>+43.5</td>
</tr>
<tr>
<td>Quantity</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Schedule</td>
<td>--</td>
<td>+10.4</td>
<td>--</td>
<td>+10.4</td>
</tr>
<tr>
<td>Engineering</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Estimating</td>
<td>+6.4</td>
<td>-46.8</td>
<td>--</td>
<td>-40.4</td>
</tr>
<tr>
<td>Other</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Support</td>
<td>--</td>
<td>-41.6</td>
<td>--</td>
<td>-41.6</td>
</tr>
<tr>
<td>Subtotal</td>
<td>+9.6</td>
<td>-37.7</td>
<td>--</td>
<td>-28.1</td>
</tr>
<tr>
<td>Total Changes</td>
<td>+779.5</td>
<td>+727.7</td>
<td>--</td>
<td>+1507.2</td>
</tr>
<tr>
<td>CE - Cost Variance</td>
<td>2210.6</td>
<td>2464.0</td>
<td>--</td>
<td>4674.6</td>
</tr>
<tr>
<td>CE - Cost &amp; Funding</td>
<td>2210.6</td>
<td>2464.0</td>
<td>--</td>
<td>4674.6</td>
</tr>
</tbody>
</table>
### Summary Base Year 2002 $M

<table>
<thead>
<tr>
<th></th>
<th>RDT&amp;E</th>
<th>Proc</th>
<th>MILCON</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>SAR Baseline (Dev Est)</td>
<td>1273.8</td>
<td>1368.5</td>
<td>--</td>
<td>2642.3</td>
</tr>
<tr>
<td>Previous Changes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Economic</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Quantity</td>
<td>+11.9</td>
<td>--</td>
<td>--</td>
<td>+147.2</td>
</tr>
<tr>
<td>Schedule</td>
<td>--</td>
<td>+0.6</td>
<td>--</td>
<td>+0.6</td>
</tr>
<tr>
<td>Engineering</td>
<td>+145.8</td>
<td>--</td>
<td>--</td>
<td>+145.8</td>
</tr>
<tr>
<td>Estimating</td>
<td>+458.9</td>
<td>+81.8</td>
<td>--</td>
<td>+540.7</td>
</tr>
<tr>
<td>Other</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Support</td>
<td>--</td>
<td>+213.8</td>
<td>--</td>
<td>+213.8</td>
</tr>
<tr>
<td>Subtotal</td>
<td>+616.6</td>
<td>+431.5</td>
<td>--</td>
<td>+1048.1</td>
</tr>
<tr>
<td>Current Changes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Economic</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Quantity</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Schedule</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Engineering</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Estimating</td>
<td>+5.3</td>
<td>-25.4</td>
<td>--</td>
<td>-20.1</td>
</tr>
<tr>
<td>Other</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Support</td>
<td>--</td>
<td>-31.8</td>
<td>--</td>
<td>-31.8</td>
</tr>
<tr>
<td>Subtotal</td>
<td>+5.3</td>
<td>-57.2</td>
<td>--</td>
<td>-51.9</td>
</tr>
<tr>
<td>Total Changes</td>
<td>+621.9</td>
<td>+374.3</td>
<td>--</td>
<td>+996.2</td>
</tr>
<tr>
<td>CE - Cost Variance</td>
<td>1895.7</td>
<td>1742.8</td>
<td>--</td>
<td>3638.5</td>
</tr>
<tr>
<td>CE - Cost &amp; Funding</td>
<td>1895.7</td>
<td>1742.8</td>
<td>--</td>
<td>3638.5</td>
</tr>
</tbody>
</table>

Previous Estimate: December 2011
<table>
<thead>
<tr>
<th>RDT&amp;E</th>
<th>$M</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Current Change Explanations</strong></td>
<td>Base Year</td>
</tr>
<tr>
<td>Revised escalation indices. (Economic)</td>
<td>N/A</td>
</tr>
<tr>
<td>Adjustment for current and prior escalation. (Estimating)</td>
<td>-0.9</td>
</tr>
<tr>
<td>Funding increased to support competition by introduction of an Alternate Source Development effort (Raytheon). (Estimating)</td>
<td>+6.2</td>
</tr>
<tr>
<td>RDT&amp;E Subtotal</td>
<td>+5.3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Procurement</th>
<th>$M</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Current Change Explanations</strong></td>
<td>Base Year</td>
</tr>
<tr>
<td>Revised escalation indices. (Economic)</td>
<td>N/A</td>
</tr>
<tr>
<td>Adjustment for current and prior escalation. (Estimating)</td>
<td>-0.1</td>
</tr>
<tr>
<td>Rephasing of procurement buy profile from FY 2015 - FY 2021. (Schedule)</td>
<td>0.0</td>
</tr>
<tr>
<td>Acceleration of procurement buy profile from FY 2014 - FY 2019. (Schedule)</td>
<td>0.0</td>
</tr>
<tr>
<td>Revised estimate based on competitive acquisition strategy and rephased buy profile. (Subtotal)</td>
<td>-25.3</td>
</tr>
<tr>
<td>Reduced contractor cost estimate for ground terminals based on competitive acquisition strategy (Appropriation 3010). (Estimating)</td>
<td>(-17.4)</td>
</tr>
<tr>
<td>Reduced contractor cost estimate for airborne terminals based on competitive acquisition strategy (Appropriation 3080). (Estimating)</td>
<td>(-7.9)</td>
</tr>
<tr>
<td>Revised estimate and reallocated costs for Interim Contractor Support and Depot Activation costs based on rephasing of buy profile. (Subtotal)</td>
<td>-27.6</td>
</tr>
<tr>
<td>Reduced proportion of Interim Contractor Support and Depot Activation costs allocated to airborne platforms based on rephasing of buy profile and reduced quantity of airborne terminals fielded prior to Depot stand-up (Appropriation 3010). (Support)</td>
<td>(-44.8)</td>
</tr>
<tr>
<td>Increased proportion of Interim Contractor Support and Depot Activation costs allocated to ground sites based on rephasing of buy profile and larger quantity of ground terminals fielded prior to Depot stand-up (Appropriation 3080). (Support)</td>
<td>(+17.2)</td>
</tr>
<tr>
<td>Revised estimate for initial spares based on rephasing of buy schedule. (Subtotal)</td>
<td>-4.2</td>
</tr>
<tr>
<td>Revised phasing for airborne platform spares based on buy profile (Appropriation 3010). (Support)</td>
<td>(+17.6)</td>
</tr>
<tr>
<td>Revised phasing for ground site spares based on buy profile (Appropriation 3080). (Support)</td>
<td>(-21.8)</td>
</tr>
<tr>
<td>Procurement Subtotal</td>
<td>-57.2</td>
</tr>
</tbody>
</table>
Contracts

Appropriation: RDT&E

<table>
<thead>
<tr>
<th>Contract Name</th>
<th>Boeing FAB-T Development</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contractor</td>
<td>Boeing</td>
</tr>
<tr>
<td>Contractor Location</td>
<td>Huntington Beach, CA 92647-2099</td>
</tr>
<tr>
<td>Contract Number, Type</td>
<td>F19628-02-C-0048, FFP</td>
</tr>
<tr>
<td>Award Date</td>
<td>September 20, 2002</td>
</tr>
<tr>
<td>Definitization Date</td>
<td>September 20, 2002</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Initial Contract Price ($M)</th>
<th>Current Contract Price ($M)</th>
<th>Estimated Price At Completion ($M)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Target</td>
<td>Ceiling</td>
<td>Qty</td>
</tr>
<tr>
<td>266.8</td>
<td>N/A</td>
<td>18</td>
</tr>
</tbody>
</table>

Cost And Schedule Variance Explanations

Cost and Schedule variance reporting is not required on this FFP contract.

Contract Comments

The difference between the Initial Contract Price Target and the Current Contract Price Target is due to cost overruns and design and requirements changes.

The Boeing Development contract was converted to Firm Fixed-Price in April 2012.
Appropriation: RDT&E

<table>
<thead>
<tr>
<th>Contract Name</th>
<th>Raytheon CPT Development</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contractor</td>
<td>Raytheon</td>
</tr>
<tr>
<td>Contractor Location</td>
<td>1001 Boston Post Road E</td>
</tr>
<tr>
<td></td>
<td>Marlborough, MA 01752-2377</td>
</tr>
<tr>
<td>Contract Number, Type</td>
<td>FA8307-12-C-0013, FPIF</td>
</tr>
<tr>
<td>Award Date</td>
<td>September 07, 2012</td>
</tr>
<tr>
<td>Definitization Date</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Initial Contract Price ($M)</th>
<th>Current Contract Price ($M)</th>
<th>Estimated Price At Completion ($M)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Target</td>
<td>Ceiling</td>
<td>Qty</td>
</tr>
<tr>
<td>70.0</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Cost And Schedule Variance Explanations

Cost and Schedule variance reporting is not required on this FPIF contract.

General Contract Variance Explanation

The contract is Fixed Price Incentive Firm, but Under Secretary of Defense (Acquisition Technology & Logistics) (USD(AT&L)) determined that earned value reporting was not required based on the short period of performance.

Contract Comments

This is the first time this contract is being reported.

The initial contract award covers a 10-month period of performance. Definitization of the contract, including all development options, is planned no later than June 2013.
## Deliveries and Expenditures

<table>
<thead>
<tr>
<th>Deliveries To Date</th>
<th>Plan To Date</th>
<th>Actual To Date</th>
<th>Total Quantity</th>
<th>Percent Delivered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Development</td>
<td>7</td>
<td>7</td>
<td>30</td>
<td>23.33%</td>
</tr>
<tr>
<td>Production</td>
<td>0</td>
<td>0</td>
<td>216</td>
<td>0.00%</td>
</tr>
<tr>
<td>Total Program Quantities Delivered</td>
<td>7</td>
<td>7</td>
<td>246</td>
<td>2.85%</td>
</tr>
</tbody>
</table>

### Expenditures and Appropriations (TY $M)

<table>
<thead>
<tr>
<th></th>
<th>TY $M</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Acquisition Cost</td>
<td>4674.6</td>
<td>Years Appropriated</td>
<td>13</td>
<td></td>
</tr>
<tr>
<td>Expenditures To Date</td>
<td>1804.2</td>
<td>Percent Years Appropriated</td>
<td>61.90%</td>
<td></td>
</tr>
<tr>
<td>Percent Expended</td>
<td>38.60%</td>
<td>Appropriated to Date</td>
<td>2031.3</td>
<td></td>
</tr>
<tr>
<td>Total Funding Years</td>
<td>21</td>
<td>Percent Appropriated</td>
<td>43.45%</td>
<td></td>
</tr>
</tbody>
</table>

The above data is current as of 2/28/2013.
Operating and Support Cost

FAB-T

Assumptions and Ground Rules

Cost Estimate Reference:
Operating & Support (O&S) costs are based on the 2009 Independent Cost Estimate (ICE) conducted by the Office of the Secretary of Defense's Cost Analysis Improvement Group (CAIG).

Sustainment Strategy:
FAB-T consists of 216 ground and airborne terminals with an assumed 20-year life per terminal after installation. Hardware maintenance for FY 2016 and FY 2017 will be handled via Interim Contractor Support (ICS). Software maintenance for FY 2016 - FY 2019 will be handled via Interim Contractor Support. ICS costs are included in the Procurement estimate and are not included under Operating and Support. No additional manpower requirements are assumed and no increase to Indirect Support is required. Sustaining Support consists of sustaining engineering and software maintenance, which includes correction of deficiencies.

Antecedent Information:
FAB-T consists of Command Post Terminals (CPT) and Advanced Wideband Terminals (AWT). For CPTs, FAB-T is a replacement terminal for the existing MILSTAR CPTs at ground (fixed and mobile) sites and E-4 and E-6 airborne platforms. There are no MILSTAR terminals to be replaced in the B-52, B-2, and RC-135 aircraft. There are 82 MILSTAR terminals, each with an expected service life of 18 years.

<table>
<thead>
<tr>
<th>Unitized O&amp;S Costs BY2002 $K</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cost Element</strong></td>
</tr>
<tr>
<td>--------------------------------</td>
</tr>
<tr>
<td>Unit-Level Manpower</td>
</tr>
<tr>
<td>Unit Operations</td>
</tr>
<tr>
<td>Maintenance</td>
</tr>
<tr>
<td>Sustaining Support</td>
</tr>
<tr>
<td>Continuing System Improvements</td>
</tr>
<tr>
<td>Indirect Support</td>
</tr>
<tr>
<td>Other</td>
</tr>
<tr>
<td>Total</td>
</tr>
</tbody>
</table>

Unitized Cost Comments:
FAB-T unitized costs are calculated as BY 2002 Total O&S Cost of $4,318M/216 terminals/20 years per terminal = $999.537K annual terminal cost.
<table>
<thead>
<tr>
<th>Objective/Threshold</th>
<th>Current Development APB</th>
<th>Current Estimate</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FAB-T</td>
<td>FAB-T</td>
</tr>
<tr>
<td>Base Year</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Then Year</td>
<td>0.0</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Total O&S Costs Comments:
None

**Disposal Costs**

The O&S estimate did not include disposal costs.