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| Exhibit R-2, RDT&E Budget Item Justification: PB 2015 Air Force | | | | | | | | | | Date: March 2014 | | |
|--|-------------|---------|---------|--------------|---|---------------|---------|---------|---------|------------------|------------------|------------|
| Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development | | | | | R-1 Program Element (Number/Name) PE 0207412F I Control and Reporting Center (CRC) | | | | | | | |
| COST (\$ in Millions) | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO # | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | Cost To Complete | Total Cost |
| Total Program Element | - | 8.960 | 6.993 | 0.552 | - | 0.552 | 0.563 | 10.201 | 11.790 | 24.269 | Continuing | Continuing |
| 67485L: Theater Air Control System Imp (TACSI) | - | 8.960 | 6.993 | 0.552 | - | 0.552 | 0.563 | 10.201 | 11.790 | 24.269 | Continuing | Continuing |
| Quantity of RDT&E Articles | - | - | - | - | - | - | - | - | - | - | | |
| MDAP/MAIS Code: 393 | | | | | | | | | | | | |

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

Note

A. Mission Description and Budget Item Justification

The Control and Reporting Center (CRC) program element provides for development and integration of new capabilities, upgrades, and modifications required to maintain capability due to replacement of diminishing manufacturing sources related to mobile ground-based capabilities. The CRC is a ground-based theater air control system (TACS) surveillance and battle management command and control (BMC2) element. It consists of facilities, equipment, and people. It is a tailorable, modular, transportable, sustainable, and persistent weapon system employed at the tactical level to support air and surface operations. The CRC projects include development of Theater Air Control Systems Improvement (TACSI) capabilities. These efforts include, but are not limited to, the development and modification of the AN/TYQ-23 Operations Module (OM) and the AN/TRC-215 Remote Radio Secure Voice System (RRSVS).

AN/TYQ-23 OM is a low density/high demand (LD/HD) rapidly deployable ground-based C2 asset. This automated, computer-based information system provides operators the real-time battlespace picture necessary to plan, direct, and control tactical air operations and airspace management tasks. AN/TRC-215 RRSVS is a mobile, vehicle-mounted voice radio and OM-interface unit. The RRSVS allows real-time, secure voice communication between aircraft operating in the battlespace and ground-based battle management C2 operators located in the OM of the CRC.

Activities also include studies and analysis supporting current and future program planning and future development of open system architecture requirements.

This program is in Budget Activity 07, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

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| B. Program Change Summary (\$ in Millions) | | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
| Previous President's Budget | | 8.653 | 7.029 | 0.559 | - | 0.559 |
| Current President's Budget | | 8.960 | 6.993 | 0.552 | - | 0.552 |
| Total Adjustments | | 0.307 | -0.036 | -0.007 | - | -0.007 |
| • Congressional General Reductions | | - | -0.036 | | | |
| • Congressional Directed Reductions | | - | - | | | |
| • Congressional Rescissions | | -0.012 | - | | | |
| • Congressional Adds | | - | - | | | |
| • Congressional Directed Transfers | | - | - | | | |
| • Reprogrammings | | 1.039 | - | | | |
| • SBIR/STTR Transfer | | - | - | | | |
| • Other Adjustments | | -0.720 | - | -0.007 | - | -0.007 |
| Change Summary Explanation FY13 Reprogramming was used to purchase a 2nd Production Representative Unit for the AN/TYQ-23 Operations Module Modernization | | | | | | |
| C. Accomplishments/Planned Programs (\$ in Millions) | | | | FY 2013 | FY 2014 | FY 2015 |
| Title: OM Mod | | | | 8.032 | 6.983 | 0.552 |
| Description: The OM Mod Upgrade effort's activities include, but are not limited to, the engineering manufacturing and development of the OM Mod Units, Developmental and Operational Test (DT/OT), integration and technical data package development. | | | | | | |
| FY 2013 Accomplishments: Began the OM Mod Upgrade effort to include: the engineering manufacturing and development of the OM Mod Production Representative Units (PRUs), pre-test work and technical data package development. | | | | | | |
| FY 2014 Plans: Continuing the OM Mod Upgrade effort to include: the development of OM Mod PRUs,integration, completing DT/OT and the completion of the technical data package. | | | | | | |
| FY 2015 Plans: Will complete the OM Mod Upgrade effort to include: complete any delta testing required for the PRUs. | | | | | | |
| Title: RRSVS | | | | 0.928 | 0.010 | - |
| Description: RRSVS activities include, but are not limited to, the development, testing and integration of software upgrades. | | | | | | |
| FY 2013 Accomplishments: | | | | | | |

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| C. Accomplishments/Planned Programs (\$ in Millions) | | FY 2013 | FY 2014 |
| Completed the development and testing of software upgrades in support of RRSVS. | | | |
| FY 2014 Plans: Completing the integration efforts prior to the start of production activities in support of RRSVS. | | | |
| FY 2015 Plans: N/A | | | |
| Accomplishments/Planned Programs Subtotals | | 8.960 | 0.552 |
| D. Other Program Funding Summary (\$ in Millions) | | | |
| Line Item | FY 2013 | FY 2014 | FY 2015 Base |
| • OPAF: BA07: Line Item # 833040: <i>Control and Reporting Center</i> | 23.452 | 10.761 | 50.033 |
| | | | FY 2015 OCO |
| | | | - |
| | | | FY 2015 Total |
| | | | 50.033 |
| | | | FY 2016 |
| | | | 22.860 |
| | | | FY 2017 |
| | | | 40.067 |
| | | | FY 2018 |
| | | | 9.627 |
| | | | FY 2019 |
| | | | - |
| | | | Cost To Complete |
| | | | Continuing |
| | | | Total Cost |
| | | | Continuing |
| Remarks | | | |
| E. Acquisition Strategy | | | |
| The CRC program is utilizing evolutionary development to modernize and further advance current and future battlespace awareness and tactical BMC2 capabilities. A variety of contract types will be utilized depending on type of effort. Contracting strategy will include but is not limited to open competition, sole source contracts, and interdepartmental purchase requests. | | | |
| F. Performance Metrics | | | |
| Please refer to the Performance Base Budget Overview Book for information on how Air Force resources are applied and how those resources are contributing to Air Force performance goals and most importantly, how they contribute to our mission. | | | |

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Exhibit R-4, RDT&E Schedule Profile: PB 2015 Air Force

Date: March 2014

Appropriation/Budget Activity
3600 / 7

R-1 Program Element (Number/Name)
PE 0207412F / *Control and Reporting Center (CRC)*

Project (Number/Name)
67485L / *Theater Air Control System Imp (TACSI)*

