| **Exhibit R-2, RDT&E Project Justification** | | | | Date: February 2007 | | | | |
|---|---|---|---|---|---|---|---|---|
| **APPROPRIATION/BUDGET ACTIVITY**<br>RDT&E, Defense-Wide/07 | | | | **R-1 ITEM NOMENCLATURE**<br>Long Haul Communications - DCS/PE 0303126K | | | | |
| COST (in millions) | FY 06 | FY07 | FY08 | FY09 | FY10 | FY11 | FY12 | FY13 |
| Total Program Element | 1.712 | 5.353 | 16.487 | 4.537 | 3.610 | 3.657 | 2.715 | 2.715 |
| DISN Systems Engineering Support/T82 | 1.712 | 5.353 | 1.487 | 1.537 | 1.610 | 1.657 | 1.715 | 1.715 |
| National Emergency Action Decision Network (NEADN) | - | - | 15.000 | 3.000 | 2.000 | 2.000 | 1.000 | 1.000 |

A. Mission Description and Budget Item Justification: This Program Element (PE) funds the DISA Direct suite of tools which is the front-end web-based applications utilized by thousands of DISA Customers to order DISN and non-DISN telecommunications and equipment. The ordering software supports the Enhanced Planning Process (EPP) now referred to as DISN Subscription Services, which is the OSD, mandated cost recovery program started in October 2005. The unclassified DISA Direct suite was implemented in December 1999/January 2000 and is undergoing enhancements to accommodate the revisions to the DISN Subscription programs along with new development to support the customer/warfighter's requirements and to keep up-to-date with the rules for ordering telecommunications and equipment. The classified DISA Direct suite was implemented in May 2006. Both platforms work with numerous other legacy and new systems that are being developed in order to provision and procure telecommunications products and services. DISA Direct is currently mandated for use by all DISA customers ordering telecommunications services from DISA. This system will be funded for sustained operations. In addition, this PE funds systems engineering for the DISN Element Management Systems (EMS) and Secure Voice over Internet Protocol (VoIP) Real Time Services (RTS) which provides DISN-wide network element management for the day-to-day operations of the DoD and serves as the core of DoD wartime communications for the President and Secretary of Defense, the Joint Chiefs of Staff (JCS), the Combatant Commanders, and other critical users. PE 0303126K provides the engineering to consolidate operational communications networks into DISN and supports the convergence of Service and Agency network services (i.e. telephony, video, etc) into the GIG. This PE funds the critical and essential engineering required to modify/expand upon commercial equipment and service offerings, to implement rapidly advancing communications technology, to update network design tools in order to continue providing cost savings, and to continue offering valuable new cost effective information technology capabilities and services to customers. It provides for the development of needed information technology capabilities by targeting RDT&E efforts to DoD mission needs. In addition, this PE funds system engineering evaluations and development of critical features for Secure Voice over IP Real Time Services (RTS) that is beyond the features of commercial VoIP offerings. These special features such as Multi-Level Security, Quality of Service, Assured Service, large conference management and control are necessary capabilities that must be developed for a Secure VoIP application to be able to replace the existing TDM Defense Red Switch Network (DRSN). The Distributed Ground Network (DGN) is required to support New Triad Command, Control, and Communications missions assigned to United States Strategic Command (USSTRATCOM). This funding provides systems engineering, planning, and development of broadband, survivable, voice, video, and data capability for Commander USSTRATCOM support to the

| **Exhibit R-2, RDT&E Project Justification** | | | | Date: February 2007 | | | | |
|---|---|---|---|---|---|---|---|---|
| **APPROPRIATION/BUDGET ACTIVITY**<br>RDT&E, Defense-Wide/07 | | | | **R-1 ITEM NOMENCLATURE**<br>Long Haul Communications - DCS/PE 0303126K | | | | |
| COST (in millions) | FY 06 | FY07 | FY08 | FY09 | FY10 | FY11 | FY12 | FY13 |
| Total Program Element | 1.712 | 5.353 | 16.487 | 4.537 | 3.610 | 3.657 | 2.715 | 2.715 |
| DISN Systems Engineering Support/T82 | 1.712 | 5.353 | 1.487 | 1.537 | 1.610 | 1.657 | 1.715 | 1.715 |
| National Emergency Action Decision Network (NEADN) | - | - | 15.000 | 3.000 | 2.000 | 2.000 | 1.000 | 1.000 |

President, Secretary of Defense, Chairman, Joint Chiefs of Staff, and other national/military leaders. This project includes the critical and essential engineering required to implement technologies such as Asynchronous Transfer Mode (ATM)and Dense Wave Division Multiplexing (DWDM) into the National Command and Control System (NCCS).

As the National Emergency Action Decision Network (NEADN) formerly the Presidential and National Voice Conferencing (PNVC) project lead and system engineer, this PE also funds system engineering, planning, development, integration, and testing of new baseband (cryptographic and voice encoder/vocoder) equipment needed to provide survivable, near toll-quality voice conferencing capability for the President, Secretary of Defense, Chairman, Joint Chiefs of Staff, and other national/military leaders. This project includes the critical and essential engineering required to develop new vocoder and cryptographic equipment by taking advantage of ongoing RDT&E efforts by another Defense component. These baseband devices, referred to as the Baseband Interface Group (BIG), implement new technology capabilities such as multi-stream cryptography/vocoding and information technology capabilities such as baseband Ethernet interfaces supporting baseband Internet Protocol (IP) addressing. This project implements Joint Staff requirements for Advanced Extremely High Frequency (AEHF) voice conferencing in synchronization with the AEHF terminal fielding schedules.

B.

| Program Change Summary: | FY06 | FY07 | FY08 | FY09 |
|---|---|---|---|---|
| Previous President's Budget | 1.449 | 1.523 | 1.555 | 1.591 |
| Current Submission | 1.712 | 5.353 | 16.487 | 4.537 |
| Total Adjustments | 0.263 | 3.830 | 14.932 | 2.946 |

Change Summary Explanation:
FY 2006 change due to below threshold reprogramming.
FY 2007-2009 changes are due to revised fiscal guidance.

| **Exhibit R-2a, RDT&E Project Justification** | | | | Date: February 2007 | | | | |
|---|---|---|---|---|---|---|---|---|
| **APPROPRIATION/BUDGET ACTIVITY**<br>RDT&E, Defense-Wide/07 | | | | **R-1 ITEM NOMENCLATURE**<br>Long Haul Communications - DCS/PE 0303126K | | | | |
| COST (in millions) | FY 06 | FY07 | FY08 | FY09 | FY10 | FY11 | FY12 | FY13 |
| DISN Systems Engineering Support/T82 | 1.712 | 5.353 | 1.487 | 1.537 | 1.610 | 1.657 | 1.715 | 1.715 |

A. Mission Description and Budget Item Justification: This Program Element (PE) funds the DISA Direct suite of tools which is the front-end web-based applications utilized by thousands of DISA Customers to order DISN and non-DISN telecommunications and equipment. The ordering software supports the Enhanced Planning Process (EPP) now referred to as DISN Subscription Services, which is the OSD, mandated cost recovery program started in October 2005. The unclassified DISA Direct suite was implemented in December 1999/January 2000 and is undergoing enhancements to accommodate the revisions to the DISN Subscription programs along with new development to support the customer/warfighter's requirements and to keep up-to-date with the rules for ordering telecommunications and equipment. The classified DISA Direct suite was implemented in May 2006. Both platforms work with numerous other legacy and new systems that are being developed in order to provision and procure telecommunications products and services. DISA Direct is currently mandated for use by all DISA customers ordering telecommunications services from DISA. This system will be funded for sustained operations. In addition, this PE funds systems engineering for the DISN Element Management Systems (EMS) and Secure Voice over Internet Protocol (VoIP) Real Time Services (RTS) which provides DISN-wide network element management for the day-to-day operations of the DoD and serves as the core of DoD wartime communications for the President and Secretary of Defense, the Joint Chiefs of Staff (JCS), the Combatant Commanders, and other critical users. PE 0303126K provides the engineering to consolidate operational communications networks into DISN and supports the convergence of Service and Agency network services (i.e. telephony, video, etc) into the GIG. This PE funds the critical and essential engineering required to modify/expand upon commercial equipment and service offerings, to implement rapidly advancing communications technology, to update network design tools in order to continue providing cost savings, and to continue offering valuable new cost effective information technology capabilities and services to customers. It provides for the development of needed information technology capabilities by targeting RDT&E efforts to DoD mission needs. In addition, this PE funds system engineering evaluations and development of critical features for Secure Voice over IP Real Time Services (RTS) that is beyond the features of commercial VoIP offerings. These special features such as Multi-Level Security, Quality of Service, Assured Service, large conference management and control are necessary capabilities that must be developed for a Secure VoIP application to be able to replace the existing TDM Defense Red Switch Network (DRSN). The Distributed Ground Network (DGN) is required to support New Triad Command, Control, and Communications missions assigned to United States Strategic Command (USSTRATCOM). This funding provides systems engineering, planning, and development of broadband, survivable, voice, video, and data capability for Commander USSTRATCOM support to the President, Secretary of Defense, Chairman, Joint Chiefs of Staff, and other national/military leaders. This project includes the critical and essential engineering required to implement technologies such as Asynchronous Transfer Mode (ATM)and Dense Wave Division Multiplexing (DWDM) into the National Command and Control System (NCCS).

| Exhibit R-2a, RDT&E Project Justification | | | | Date: February 2007 | | | | |
|---|---|---|---|---|---|---|---|---|
| APPROPRIATION/BUDGET ACTIVITY<br>RDT&E, Defense-Wide/07 | | | | R-1 ITEM NOMENCLATURE<br>Long Haul Communications - DCS/PE 0303126K | | | | |
| COST (in millions) | FY 06 | FY07 | FY08 | FY09 | FY10 | FY11 | FY12 | FY13 |
| DISN Systems Engineering Support/T82 | 1.712 | 5.353 | 1.487 | 1.537 | 1.610 | 1.657 | 1.715 | 1.715 |

B. Accomplishments/Planned Program:

| | FY 06 | FY 07 | FY 08 | FY 09 |
|---|---|---|---|---|
| Subtotal Cost | .879 | - | - | - |

Systems Engineering for DISA Direct Order Entry (DDOE) Development - DISA Direct provides users the capability to order from a classified or unclassified platform. It allows DoD and non-DoD agencies to control who submit and approve (both from a funding and a quality assurance) requirements prior to them being sent to DISA for provisioning and procurement. The suite also tracks the DISN Subscriptions for the cost recovery program mandated by OSD. Performance is based upon the feedback from the customer community along with the DISA Direct Configuration Control Board (CCB), which is made up of the major DISA Direct customers. Other performance metrics are provided by software tools that are part of the production unclassified and classified platforms located at the DECC in Oklahoma City. These tools are currently being evaluated and the metrics outlined in order to monitor the performance of the suite of tools. Enhancements include adding new type services as well as enhancing the original Telecom Request versions to an updated Smart Telecom Request version. In FY 2006, only one fourth of the Telecom Requests type services have been converted to the Smart TR versions. The remaining type services are projected in FY 2007. Additional changes to the DISN Subscriptions are also projected along with the customer suggested enhancements.

| | FY 06 | FY 07 | FY 08 | FY 09 |
|---|---|---|---|---|
| Subtotal Cost | .570 | .914 | .892 | .922 |

Systems Engineering for Element Management Systems (EMS) - Provide ongoing COTS systems research, evaluation, test and integration to reduce the risks and delays of inserting new communications technologies into the DISN EMS tools by performing assessments and proof of concept implementations. Engineer the insertion of technology into the DISN Core EMS systems (e.g., Fault Management, Performance Management, Configuration Management, etc.). Continue engineering support for on-going technology assessments, testbed assessments, prototyping, and mission support. Provide technical leadership in implementing recommended solutions involving DISN EMS tools. New efforts involve supporting the evaluation of a new Optical EMS tool, Single Sign-on solution, Service Oriented Architecture, and supporting integration of DISN network management onto the DISN EMS tools. Funding is required to evaluate, develop and integrate Element Management Systems (EMS) to consolidate legacy DISN EMSs. Key DISN consolidation efforts that will require this support

| Exhibit R-2a, RDT&E Project Justification | | | | Date: February 2007 | | | | |
|---|---|---|---|---|---|---|---|---|
| **APPROPRIATION/BUDGET ACTIVITY**<br>RDT&E, Defense-Wide/07 | | | | **R-1 ITEM NOMENCLATURE**<br>Long Haul Communications - DCS/PE 0303126K | | | | |
| COST (in millions) | FY 06 | FY07 | FY08 | FY09 | FY10 | FY11 | FY12 | FY13 |
| DISN Systems Engineering Support/T82 | 1.712 | 5.353 | 1.487 | 1.537 | 1.610 | 1.657 | 1.715 | 1.715 |

in FY 2007 – FY 2013 are DATMS, Teleport, Promina, DSN, and DRSN. This is a continuation of the efforts started in FY06 & FY07 focusing on IP EMS consolidation (NIPR/SIPR). This funding will be used to evaluate, consolidate and integrate existing EMSs to provide the functionality currently provided by AMS, PANAVUE/netMS, ADMISS, ARDMISS and Teleport EMS solutions and integrate them into the DISN Core EMS tools. Consolidation & integration of tools results in more efficient utilization of existing resources, provides end-to-end situational awareness, allows for the decommissioning of legacy tools, and reduces future sustainment costs.

| | FY 06 | FY 07 | FY 08 | FY 09 |
|---|---|---|---|---|
| Subtotal Cost | .352 | - | - | - |

Systems Engineering for DISN Leading Edge Services (DISN-LES) - Provides systems engineering, support and planning for the transition of the DISN-LES pilot network into the DISN and Sustainment to provide an RDT&E infrastructure as a future Defense Working Capital Fund (DWCF) DISN Subscriber Service (DSS). Support provides the architecture, engineering and planning necessary to migrate the DISN-LES network infrastructure from an Internet Protocol (IP) over Asynchronous Transfer Mode (ATM) commercial Public ATM (PATM) infrastructure to the DISN government infrastructure. The migration requires an architecture and engineering approach that supports the existing customer base and transition from ATM to IP. This infrastructure will provide the network and computing infrastructure that supports Advanced Concept Technology Demonstrations (ACTDs) and Test and Evaluation of new technologies and value-added services not offered as part of the DSS but planned as candidate systems for Net-Centric Enterprise Services (NCES).

| | FY 06 | FY 07 | FY 08 | FY 09 |
|---|---|---|---|---|
| Subtotal Cost | - | .609 | .595 | .615 |

Systems Engineering for Secure Voice over Internet Protocol - Provide systems engineering to develop and insert new communications technologies into the DISN by performing assessments and proof of concept implementations. Engineer the insertion of technology into the DISN Secure Voice over Internet Protocol (VoIP), IP Class of Service/Quality of Service (CoS/QoS), Multi-Level Security for Voice RTS. New efforts involve developing overarching design for next generation routing/QoS/CoS, and IP enabled Services such as Telephony.

| | FY 06 | FY 07 | FY 08 | FY 09 |
|---|---|---|---|---|
| Subtotal Cost | - | 3.850 | - | - |

| **Exhibit R-2a, RDT&E Project Justification** | | | | Date: February 2007 | | | | |
|---|---|---|---|---|---|---|---|---|
| **APPROPRIATION/BUDGET ACTIVITY**<br>RDT&E, Defense-Wide/07 | | | | **R-1 ITEM NOMENCLATURE**<br>Long Haul Communications - DCS/PE 0303126K | | | | |
| COST (in millions) | FY 06 | FY07 | FY08 | FY09 | FY10 | FY11 | FY12 | FY13 |
| DISN Systems Engineering Support/T82 | 1.712 | 5.353 | 1.487 | 1.537 | 1.610 | 1.657 | 1.715 | 1.715 |

Systems Engineering for Distributed Ground Network (DGN) - Provides systems engineering, planning, and development of broadband, survivable, voice, video, and data capability for Commander USSTRATCOM support to the President, Secretary of Defense, Chairman, Joint Chiefs of Staff, and other national/military leaders. This project includes the critical and essential engineering required to implement technologies such as Asynchronous Transfer Mode (ATM) and Dense Wave Division Multiplexing (DWDM) into the National Command and Control System (NCCS).

C. Other Program Funding Summary: N/A

D. Acquisition Strategy: For DDOE and EMS, continue with the same acquisitions that include a Small Disadvantaged contractor under the DISN Global Services (DGS) contract. Procure test hardware and tools from a variety of Commercial Off-the-Shelf vendors. For Secure VoIP RTS, MIPR funds to NSA to contract with their security technology firms for studies and specification development for Multi-Level Security implementations for Secure Voice Real Time Services. Use existing DISA contracts to study and develop specifications for IP Class of Service/Quality of Service and Assured Service. For DGN, continue to use existing DISN support contracts for engineering and technical assistance.

E. Performance Metrics:

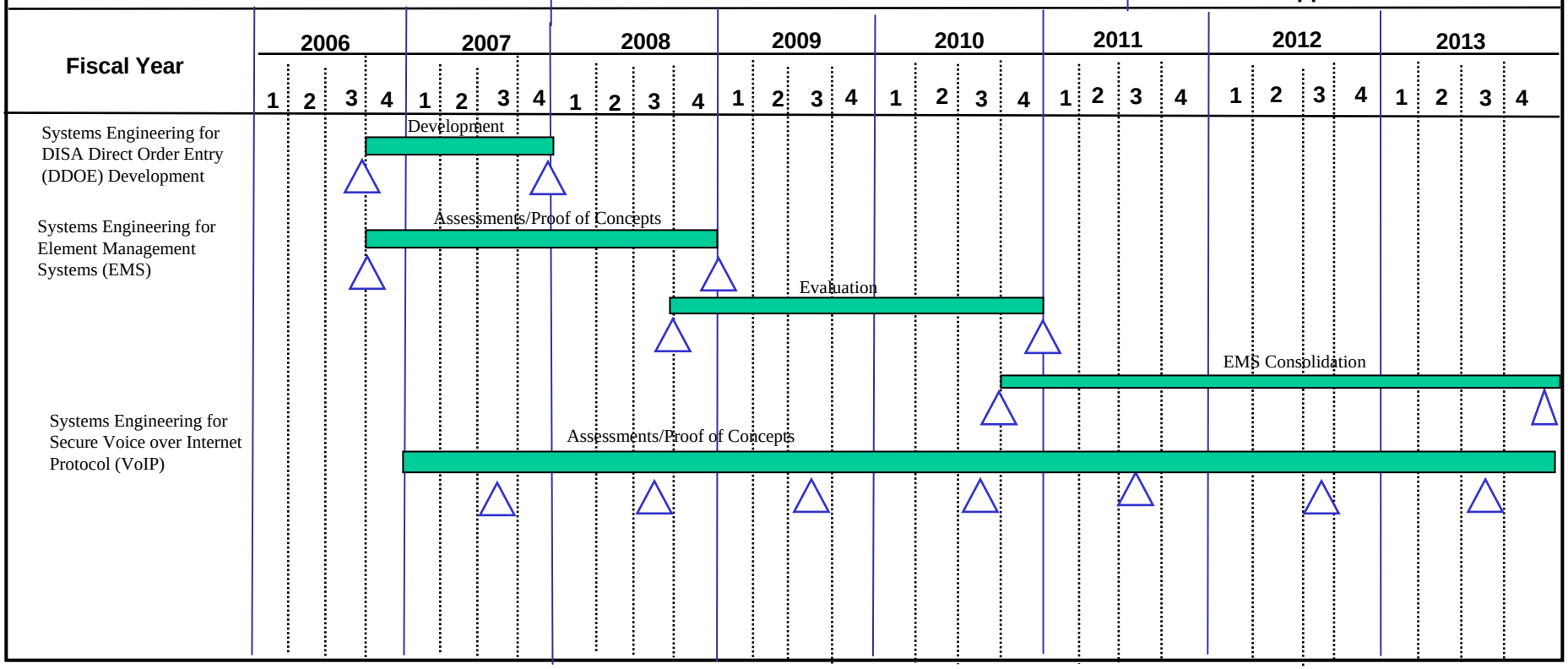
1. Planned versus actual schedule (difference in days) for major milestones/deliverables.
2. Number of planned versus actual funds spent.
3. Adherence of contractor deliverables to SOW specifications.
4. Compliance with Performance Surveillance Plans contained in contracted efforts.

| Exhibit R-3 Cost Analysis | | DATE: February 2007 |
|---|---|---|
| **APPROPRIATION/BUDGET ACTIVITY**<br>RDT&E, Defense-Wide/07 | **PROGRAM ELEMENT**<br>Long Haul Communications -DCS / PE 0303126K | **PROJECT NAME AND NUMBER**<br>DISN Systems Engineering Support / T82 |

| Cost Category | Contract Method & Type | Performing Activity & Location | Total PYs Cost | FY07 Cost | FY07 Award Date | FY08 Cost | FY08 Award Date | FY09 Cost | FY09 Award Date | Cost To Complete | Total Cost | Target Value of Contract |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Systems Engineering for Element Management Systems (EMS) | DGS & Time and Materials | Apptis/SAIC-DISA | .570 | .914 | 10/06 | .892 | 10/07 | .922 | 10/08 | Contg | Contg | N/A |
| Systems Engineering for Secure Voice over Internet Protocol (VoIP) | Various | Various performers | - | .609 | 03/07 | 0.595 | TBD | .615 | TBD | Contg | Contg | N/A |
| Systems Engineering for Distributed Ground Network (DGN) | Various | Various | - | 3.830 | TBD | - | - | - | - | Contg | Contg | N/A |

**Exhibit R-4 Schedule Profile** | **Date: February 2007**

| Appropriation/Budget Activity | Program Element Number and Name | Project Number and Name |
|---|---|---|
| RDT&E, Defense-Wide/07 | Long Haul Communications - DCS /PE 0303126K | DISN Systems Engineering Support/T82 |



| Exhibit R-4a Schedule Detail | | DATE: February 2007 |
|---|---|---|
| **APPROPRIATION/BUDGET ACTIVITY**<br>RDT&E, Defense-Wide/07 | **PROGRAM ELEMENT**<br>Long Haul Communications - DCS/<br>PE 0303126K | **PROJECT NAME AND NUMBER**<br>DISN Systems Engineering Support/ T82 |

| Schedule Profile | FY 2006 | FY 2007 | FY 2008 | FY 2009 | FY 2010 | FY 2011 | FY 2012 | FY 2013 |
|---|---|---|---|---|---|---|---|---|
| Systems Engineering for DISA Direct Order Entry (DDOE) Development | 4Q | 1-4Q | | | | | | |
| Systems Engineering for Element Management Systems (EMS): | | | | | | | | |
| Assessments/Proof of Concepts | 4Q | 1-4Q | 1-4Q | | | | | |
| Evaluation | | | 4Q | 1-4Q | 4Q | | | |
| EMS Consolidation | | | | | 4Q | 1-4Q | 1-4Q | 1-4Q |
| Systems Engineering for Secure Voice over Internet Protocol (VoIP) | | 1-4Q | 1-4Q | 1-4Q | 1-4Q | 1-4Q | 1-4Q | |

| Exhibit R-2a, RDT&E Project Justification | | | DATE: February 2007 |
|---|---|---|---|
| APPROPRIATION/BUDGET ACTIVITY<br>RDT&E, Defense-Wide/07 | PROGRAM ELEMENT<br>Long Haul Communications - DCS / PE 0303126K | | PROJECT NAME AND NUMBER<br>National Emergency Action Decision Network (NEADN) |

| Cost (in millions) | FY06 | FY07 | FY08 | FY09 | FY10 | FY11 | FY12 | FY13 |
|---|---|---|---|---|---|---|---|---|
| National Emergency Action Decision Network (NEADN) / PC01 | 0.000 | 0.000 | 15.000 | 3.000 | 2.000 | 2.000 | 1.000 | 1.000 |

A. Mission Description and Budget Item Justification: As the National Emergency Action Decision Network (NEADN) formerly the Presidential and National Voice Conferencing (PNVC) project lead and system engineer, this PE funds system engineering, planning, development, integration, and testing of new baseband (cryptographic and voice encoder/vocoder) equipment needed to provide survivable, near toll-quality voice conferencing capability for the President, Secretary of Defense, Chairman, Joint Chiefs of Staff, and other national/military leaders. This project includes the critical and essential engineering required to develop new vocoder and cryptographic equipment by taking advantage of ongoing RDT&E efforts by another Defense component. These baseband devices, referred to as the Baseband Interface Group (BIG), implement new technology capabilities such as multi-stream cryptography/vocoding and information technology capabilities such as baseband Ethernet interfaces supporting baseband Internet Protocol (IP) addressing. This project implements Joint Staff requirements for Advanced Extremely High Frequency (AEHF) voice conferencing in synchronization with the AEHF terminal fielding schedules.

B. Accomplishments/Planned Program:

| | FY 06 | FY 07 | FY 08 | FY 09 |
|---|---|---|---|---|
| Subtotal Cost | 0.000 | 0.000 | 15.000 | 3.000 |

FY2006/07 saw the completion of the PNVC Baseband Interface Group (BIG) Design Specification. FY2005 RDT&E dollars were used to complete this effort. The primary effort in FY 2008 is to place on contract the two-year NEADN Baseband Interface Group (vocoder/crypto) development effort, to continue engineering and technical analysis to ensure terminal, baseband, and satellite synchronization, and to conduct a refresh of the BIG (crypto/vocoder) technical specifications to meet the goal of beginning production at the start of FY 2010. In FY 2008, $13.8M will be used for the BIG development effort requiring approximately 18 months (65,800 man-hours) of engineering and technical efforts to produce eight Engineering Development Models(EDM). This estimate of cost and schedule is based on other similar NSA vocoder/crypto development efforts. In FY 2009 the NEADN BIG equipment security and airworthiness certifications effort will commence. NEADN production, integration and installation (to be funded by the Services), and system testing are scheduled to start in FY 2010 and to be completed in conjunction with AEHF terminal fielding schedules.

| Exhibit R-2a, RDT&E Project Justification | | DATE: February 2007 |
|---|---|---|
| APPROPRIATION/BUDGET ACTIVITY<br>RDT&E, Defense-Wide/07 | PROGRAM ELEMENT<br>Long Haul Communications - DCS / PE 0303126K | PROJECT NAME AND NUMBER<br>National Emergency Action Decision Network (NEADN) |

| Cost (in millions) | FY06 | FY07 | FY08 | FY09 | FY10 | FY11 | FY12 | FY13 |
|---|---|---|---|---|---|---|---|---|
| National Emergency Action Decision Network (NEADN) / PC01 | 0.000 | 0.000 | 15.000 | 3.000 | 2.000 | 2.000 | 1.000 | 1.000 |

C. Other Program Funding Summary:

| | FY06 | FY07 | FY08 | FY09 | FY10 | FY11 | FY12 | FY13 |
|---|---|---|---|---|---|---|---|---|
| Procurement, DW: | 0.000 | 0.000 | 3.000 | 1.000 | 1.000 | 0.000 | 0.000 | 0.000 |

D. Acquisition Strategy: NSA, as the NEADN acquisition agent for DISA, intends to award a Firm Fixed Price (FFP) contract for the development and certification of the new Baseband Interface Group (BIG) equipment (vocoder/crypto). In addition, an Indefinite Delivery, Indefinite Quantity (IDIQ) contractual vehicle will be established for BIG production in FY 2010 for procurement of BIG units by the Services and Agencies beginning in FY 2010. Although some limited in-house government capability exists, the expertise necessary to fulfill the mission and responsibilities of the NEADN does not exist. Engineering support services for the NEADN is provided by contract and FFRDC support. Full and open competition is used for the acquisition of support through existing DISA contracts.

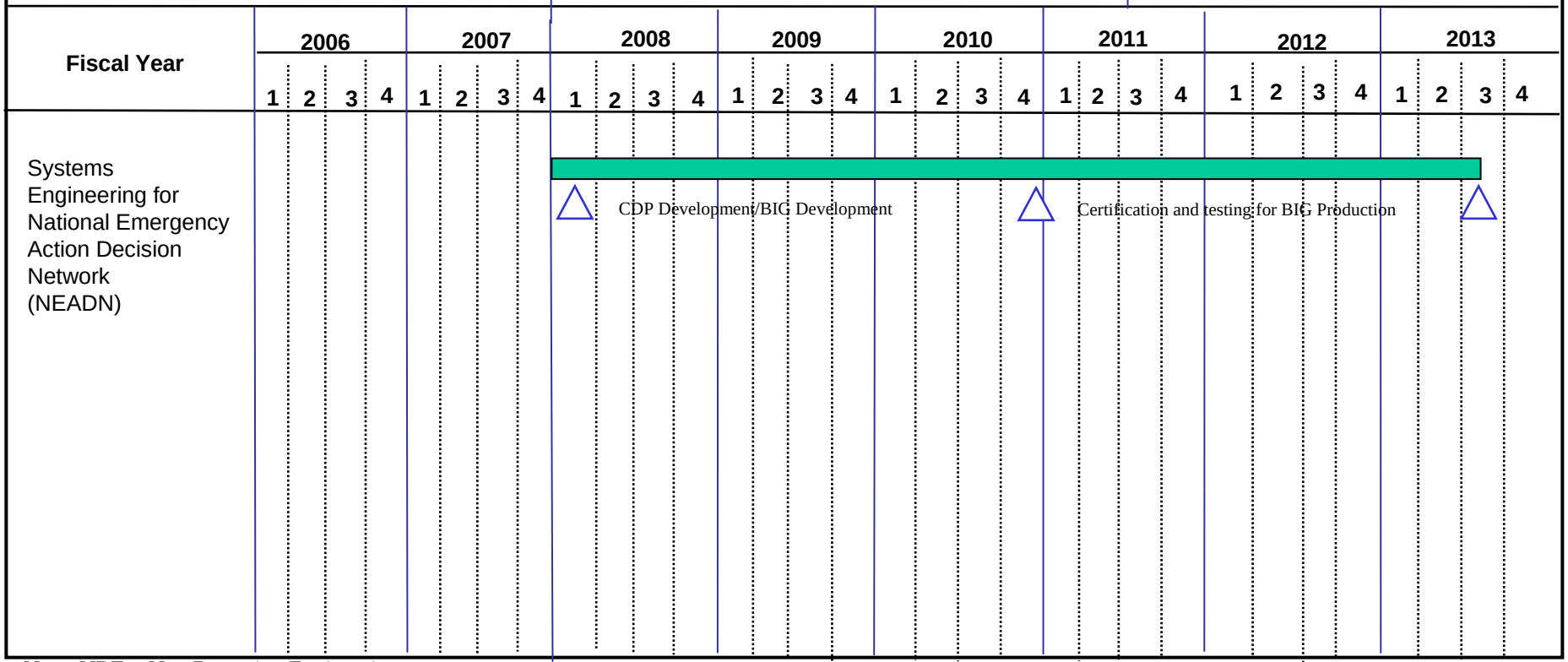
E. Performance Metrics: NEADN Project metrics track the development of various documents: Project Management Plan (PMP), Concept of Operations (CONOPS), Test and Evaluation Master Plan (TEMP), and other documents needed to manage the project. Data metrics based on cost, schedule, and performance will be used for the NEADN BIG development and certification efforts. The Engineering Development Models from the BIG development effort will be evaluated during Developmental Testing and Evaluation (DT&E) and security certification for performance compliance. System level testing will be conducted to validate that the performance meets the requirements of the Nuclear Technical Performance Criteria (CJCSI-6811.01A). The Project also uses the funding obligation rate (planned vs. actual) and financial reporting requirements as metrics throughout the life cycle of the project.

| Exhibit R-3 Cost Analysis | | DATE: February 2007 |
|---|---|---|
| APPROPRIATION/BUDGET ACTIVITY<br>RDT&E, Defense-Wide/07 | PROGRAM ELEMENT<br>Long Haul Communications - DCS / PE 0303126K | PROJECT NAME AND NUMBER<br>National Emergency Action Decision Network (NEADN)/PC01 |

| Cost Category | Contract Method & Type | Performing Activity & Location | Total PYs Cost | FY07 Cost | FY07 Award Date | FY08 Cost | FY08 Award Date | FY09 Cost | FY09 Award Date | Cost To Complete | Total Cost | Target Value of Contract |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Systems Engineering and Baseband Interface Group (BIG) and Development | MIPR | NSA | 0.000 | 0.000 | N/A | 13.900 | 12/08 | 1.900 | 12/09 | Contg | 15.800 | |
| Engineering and Technical Support | FFRDC | Aerospace | 0.000 | 0.000 | N/A | 0.700 | 12/08 | 0.700 | 12/09 | Contg | 2.870 | |
| Engineering and Technical Support | CPFF | BAH | 0.000 | 0.000 | N/A | 0.400 | 12/08 | 0.400 | 12/09 | Contg | 5.330 | |

**Exhibit R-4 Schedule Profile** | **Date: February 2007**

| Appropriation/Budget Activity | Program Element Number and Name | Project Number and Name |
|---|---|---|
| RDT&E, Defense-Wide/07 | Long Haul Communications -DCS / PE 0303126K | National Emergency Action Decision Network (NEADN)/PC01 |




Note: NRE = Non Recurring Engineering

| Exhibit R-4a Schedule Detail | | DATE: February 2007 |
|---|---|---|
| **APPROPRIATION/BUDGET ACTIVITY**<br>RDT&E, Defense-Wide/07 | **PROGRAM ELEMENT**<br>Long Haul Communications - DCS / PE 0303126K | **PROJECT NAME AND NUMBER**<br>National Emergency Action Decision Network (NEADN)/PC01 |

| Schedule Profile | FY 2006 | FY 2007 | FY 2008 | FY 2009 | FY 2010 | FY 2011 | FY 2012 | FY 2013 |
|---|---|---|---|---|---|---|---|---|
| Systems Engineering and Baseband Interface Group (BIG) and Development | | | 1-4Q | 1-4Q | | | | |
| Engineering and Technical Support | | | 1-4Q | 1-4Q | 1-4Q | 1-4Q | 1-4Q | 1-4Q |