| Exhibit R-2, RDT&E Budget Item Justification: PB 2012 Navy | | | | | | | | | | DATE: February 2011 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| APPROPRIATION/BUDGET ACTIVITY<br>1319: *Research, Development, Test & Evaluation, Navy*<br>BA 7: *Operational Systems Development* | | | | R-1 ITEM NOMENCLATURE<br>PE 0206625M: *USMC Intelligence/Electronics Warfare Sys* | | | | | | | |
| **COST ($ in Millions)** | **FY 2010** | **FY 2011** | **FY 2012 Base** | **FY 2012 OCO** | **FY 2012 Total** | **FY 2013** | **FY 2014** | **FY 2015** | **FY 2016** | **Cost To Complete** | **Total Cost** |
| Total Program Element | 24.775 | 20.316 | 14.101 | 4.050 | 18.151 | 16.144 | 14.401 | 14.081 | 14.339 | Continuing | Continuing |
| 2272: *Intel Command and Control (C2) Sys* | 24.775 | 20.316 | 14.101 | 4.050 | 18.151 | 16.144 | 14.401 | 14.081 | 14.339 | Continuing | Continuing |

**Note**

* Funds for Project C2272 were realigned to PE 0206625M in FY 2010. Prior to that, they were carried in PE 0206313M.
* Topographic Production Capability(TPC),and Tactical Exploitation Group(TEG) have merged into DCGS-MC. Funding for these efforts under PE 0206625M has been realigned to DCGS-MC PE 0305208M effective FY 2011.

**A. Mission Description and Budget Item Justification**

This Program Element (PE) includes funds for Intelligence Command and Control (C2) which supports the employment of reconnaissance, surveillance, and target acquisition resources and the timely planning and processing of all-source intelligence. It ensures that all-source tactical intelligence is tailored to meet specific mission requirements. The systems collect and convert raw intelligence data on the battlefield into processed information and deliver the processed products to the Intelligence Analysis Systems (IAS) for analysis and dissemination.

| B. Program Change Summary ($ in Millions) | FY 2010 | FY 2011 | FY 2012 Base | FY 2012 OCO | FY 2012 Total |
|---|---|---|---|---|---|
| Previous President's Budget | 29.776 | 20.316 | 17.705 | - | 17.705 |
| Current President's Budget | 24.775 | 20.316 | 14.101 | 4.050 | 18.151 |
| Total Adjustments | -5.001 | - | -3.604 | 4.050 | 0.446 |
| • Congressional General Reductions | | - | | | |
| • Congressional Directed Reductions | | - | | | |
| • Congressional Rescissions | - | - | | | |
| • Congressional Adds | | - | | | |
| • Congressional Directed Transfers | | - | | | |
| • Reprogrammings | - | - | | | |
| • SBIR/STTR Transfer | - | - | | | |
| • Program Adjustments | - | - | -3.493 | 4.050 | 0.557 |
| • Rate/Misc Adjustments | - | - | -0.111 | - | -0.111 |
| • Congressional General Reductions Adjustments | -0.001 | - | - | - | - |
| • Congressional Directed Reductions Adjustments | -5.000 | - | - | - | - |

| Exhibit R-2, RDT&E Budget Item Justification: PB 2012 Navy | DATE: February 2011 |
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| **APPROPRIATION/BUDGET ACTIVITY**<br>1319: *Research, Development, Test & Evaluation, Navy*<br>BA 7: *Operational Systems Development* | **R-1 ITEM NOMENCLATURE**<br>PE 0206625M: *USMC Intelligence/Electronics Warfare Sys* |

**Change Summary Explanation**

FY12 Baseline adjustments reflect technical realignments from RDT&E to PMC/OMMC.

FY12 total increase reflects $4.050M OCO request for Tactical Remote Sensor System (MASINT), Team Portable Collection System and CESAS (SIGINT), and IAS Mod Kit (All-Source Intel) R&D efforts that will execute quickly with immediate pay-offs for deployed forces in support of OEF.

| Exhibit R-2A, RDT&E Project Justification: PB 2012 Navy | | | DATE: February 2011 |
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| APPROPRIATION/BUDGET ACTIVITY<br>1319: *Research, Development, Test & Evaluation, Navy*<br>BA 7: *Operational Systems Development* | R-1 ITEM NOMENCLATURE<br>PE 0206625M: *USMC Intelligence/Electronics Warfare Sys* | PROJECT<br>2272: *Intel Command and Control (C2) Sys* | |

| COST ($ in Millions) | FY 2010 | FY 2011 | FY 2012 Base | FY 2012 OCO | FY 2012 Total | FY 2013 | FY 2014 | FY 2015 | FY 2016 | Cost To Complete | Total Cost |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2272: *Intel Command and Control (C2) Sys* | 24.775 | 20.316 | 14.101 | 4.050 | 18.151 | 16.144 | 14.401 | 14.081 | 14.339 | Continuing | Continuing |
| Quantity of RDT&E Articles | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |

**A. Mission Description and Budget Item Justification**

(U) Intelligence Command and Control (C2) supports the employment of reconnaissance, surveillance, and target acquisition resources and the timely planning and processing of all-source intelligence. It ensures that all-source tactical intelligence is tailored to meet specific mission requirements. The systems below collect and convert raw intelligence data on the battlefield into processed information and deliver the processed products to the Intelligence Analysis Systems (IAS) for analysis and dissemination.

Global Command and Control System Integrated Imagery and Intelligence (GCCS I3) is a joint program that is designed to enhance the operational Commander"s situation awareness and track management through the use of a standard set of integrated, linked tools and services that maximize commonality and interoperability across the tactical theater, and national communities. GCCS-I3 operates in joint and service specific battlespace and is interoperable, transportable, and compliant with the DoD mandated Common Operating Environment (COE). FY 2011 RDTE funds support the development of GCCS-I3 4.x software enhancements and USMC Intelligence systems interoperability testing and certification program with the Joint Interoperability Test Command (JITC).
Distributed Common Ground System-Marine Corps (DCGS - MC) - formerly known as Distributed Common Ground/Surface-Integration (DCGS-I), is a collection of Service Systems that will contribute to joint and combined warfighter needs for Intelligence, Surveillance and Reconnaissance (ISR) support, with the Global Information Grid (GIG) providing unconstrained communications circa 2012 to support the Department of Defense (DoD) ISR Enterprise end-state. The DCGS Integrated Backbone (DIB) is the architecture that will tie the Service DCGS systems together into one Family of Systems (FOS). The DIB will provide the tools, standards, architecture, and documentation for the DCGS community to achieve a Multi-Intelligence (Multi-INT) (e.g. Imagery Intelligence (IMINT), Signals Intelligence (SIGINT), Measurement and Signature Intelligence (MASINT), Counterintelligence/Human Intelligence (CI/HUMINT)), network centric environment with the interoperability to afford individual nodes' access to the information needed to execute their respective missions to include Irregular Warfare. The Marine Corps will conduct DIB integration research and development to meet a congressionally mandated implementation deadline. DCGS funding has been realigned to new PE 0305208M effective FY 2011.
TROJAN SPIRIT II - is an SHF multi-band satellite communications terminal, available in either HMMWV-mounted or transit case configuration, that provides dedicated tactical communications capability at the TS/SCI and Secret Collateral levels to USMC intelligence units. TROJAN SPIRIT terminals provide connectivity into JWICSs, NSANET and SIPRNET via the TROJAN Network Control Center.

Technical Control Analysis Center (TCAC), consisting of the AN/UYQ-83 TCAC Remote Analysis Workstation (RAWS), AN/MYQ-9 TCAC Transportable Workstation, Multi-Level Security (MLS) and One Roof system, is the focal point of Radio Battalions (RADBN) , Marine Corps Special Operations Command (MARSOC), and Fixed Wing Marine Electronic Attack Squadron (VMAQ) Signals Intelligence (SIGINT) operations. The TCAC automatically collects, stores, retrieves and plays back digital voice signals; fuses and analyzes SIGINT data from tactical, theater and national collectors and databases for dissemination to tactical commanders. TCAC provides SIGINT analysis applications to deployable MAGTF units capable of directing and managing the technical and operational functions of other RADBN SIGINT/EW

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| APPROPRIATION/BUDGET ACTIVITY<br>1319: *Research, Development, Test & Evaluation, Navy*<br>BA 7: *Operational Systems Development* | R-1 ITEM NOMENCLATURE<br>PE 0206625M: *USMC Intelligence/Electronics Warfare Sys* | PROJECT<br>2272: *Intel Command and Control (C2) Sys* |

assets. The TCAC provides termination of national, theater and tactical data networks for data exchange with the tactical SIGINT/EW assets, the Intelligence Analysis System (IAS), national databases, and provided USMC tactical SIGINT collection and analytical data into the Real-Time Regional Gateway (RTRG) and Distributed Common Ground System (DCGS).
Joint Surveillance Target Attack Radar (JSTARS) connectivity program will research and integrate a client software connectivity solution which will allow the JSTARS Moving Target Indicator (MTI), Fixed Target Indication (FTI) and Synthetic Aperture Radar (SAR) data to be passed from the JSTARS Common Ground Station (CGS) to lower echelons within the Marine Air-Ground Task Force (MAGTF). Additionally, the Marine Corps will continue future MTI and Common Data Link (CDL) sensor capabilities research and development.

Tactical Remote Sensor Systems (TRSS) will provide all weather direction, location determination, targeting, and tactical indications and warning of enemy activity in the Marine Air Ground Task Force (MAGTF) Commander's Area of Interest. The TRSS is an equipment suite consisting of three primary sub-systems: Unattended Ground Miniature Sensors (UGMS); Relay Systems; and monitoring systems. The sensor systems will include seismic/acoustic sensors, electro-magnetic sensors, infrared (passive) sensors; and air-delivered sensors. The relay systems include dual channel duplex commendable and single channel repeaters. The monitoring system includes the Sensor Mobile Monitoring System (SMMS). The composition of the three sub-systems are comprised of several individual components. As the Product Improvement Program proceeds, upgrading of individual components will occur on an as needed basis. FY12 R&D OCO funding for TRSS will enable the completion of the Imaging and Processor Board II/Common Sensor Radio integration, which will allow procurement to quickly follow.

Team Portable Collection System - Multi-Platform Capable (TPCS-MPC) - is a semi-automated, man/team portable system providing intercept, collection, direction-finding, reporting and collection management to MAGTF commander. It provides special signals intercept, and DF capability for each system and is modular, lightweight and team transportable. The next upgrades will be the multi-platform capability and will allow the system to exploit information from more technically advanced target sets and will provide the MAGTF commander with a modular and scalable carry on/carry off suite of equipment. FY12 R&D OCO funding for TPCS is required to meet new requirements to integrate new Special Intelligence technologies. FY12 OCO funds are needed to complete the development, integration, modification, and testing efforts initiated in FY10. These new RadBn Mods FUE'd systems will be transitioned into the TPCS configuration to include MoonDate, 4453 Receivers, ICS3, Internal DF Processor, precision location tools, and Snap-in Sleeve Design. OCO funds are necessary to complete the development of these technology insertions in order to execute procurement and fielding to meet emerging OEF requirements.
Wide Field of View Persistent Surveillance (WFVPS) (formerly Angel Fire) is a capability that supports persistent Intelligence, Surveillance and Reconnaissance (ISR), Improvised Explosive Device (IED) mitigation, and actionable intelligence in urban and other operations (e.g. disaster relief, security, etc). It delivers broad area, near real time, geo-registered imagery down to the tactical level of execution. Consisting of airborne and ground components such as the Airborne payload consists of an imager sensor (currently Electro-Optical (EO), on-board processors, and an air-to-ground communication link. Ground distribution network consist of the ground receive station, servers, storage and viewer client stations. AF is hosted on manned platforms, currently the King Air A-90p pilots fly the plane while the sensors can be controlled from the ground through autonomous software. The USMC objective EFVPS system will reside on an UAS.

MAGTF Secondary Imagery Dissemination System (MSIDS) is the only ground prospective Family of Systems (FoS) that provides organic tactical digital imagery collection, transmission and receiving capability to the MAGTF Commander. MSIDS is comprised of components necessary to enable Marines to capture, manipulate, annotate, transmit or receive images in Near Real Time (NRT), internally with subordinate commands that are widely separated throughout the area of operations and externally with higher adjacent commands. MSIDS capability resides with the MAGTF G/S-2 sections and Ground Reconnaissance Battalions, Light Armored

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| APPROPRIATION/BUDGET ACTIVITY<br>1319: *Research, Development, Test & Evaluation, Navy*<br>BA 7: *Operational Systems Development* | R-1 ITEM NOMENCLATURE<br>PE 0206625M: *USMC Intelligence/Electronics Warfare Sys* | PROJECT<br>2272: *Intel Command and Control (C2) Sys* |

Reconnaissance Battalions, Infantry Battalion Scout Sniper Platoons and Marine Special Operations Command. The MSIDS FoS extends the digital imaging capability to all echelons within the MEF, down to and including battalions and squadrons. Captured images are capable of being forwarded throughout the MAGTF through the use of Base Station Workstation/Communication Interface (BW/CI), Out Station Workstation/Communication Interface (OW/CI) or existing C4ISR architecture. Images can also be transmitted to the Tactical Exploitation Group (TEG) for more detailed processing and analysis. A recent increase of the MSIDS Video Exploitation Workstation (VEW) requirement within Infantry Battalions and Wing units, down to the squadron level, has grown from 18 to 140 in the past year. The VEW is utilized to import, manipulate, annotate still and video imager, create intelligence products, lift still frames from video, view multi-format TV signals and provide a field briefing capability. MSIDS FoS is currently employed in every location world-wide where the Marine Corps participates in military operations to include Irregular Warfare. MSIDS is currently or has been employed in Iraq, Kuwait, Afghanistan, Haiti, Philippines, and Horn of Africa.

Intelligence Equipment Readiness (IER) - Effective FY12 the TENCAP program funding line will be merged into the IER funding line. The funding will continue to support rapid prototyping and integration of emerging technologies involving national systems data. The IER provides a responsive capability to alleviate Marine Corps intelligence systems shortfalls created by the rapidly evolving missions, threats and command relationships associated with the Overseas Contingencies Operations (OCO). The program provides for rapid technology insertion, as well as quick reaction training and logistics, to meeting the time sensitive intelligence infrastructure requirements of Marine Corps Operating Forces and the theater and service intelligence organizations supporting those forces. IER rapidly mitigates intelligence infrastructure shortfalls through exploitation of COTS, GOTS and Non-Developmental Item technology to the greatest extent practical. This effort also centralizes support for Marine Corps intelligence infrastructure items and systems that are not separately identified within the program funding lines. IER addresses requirements that span the entire Marine Corps intelligence systems architecture.

Intelligence Analysis Systems, Family of Systems (IAS FoS) supports the employment of systems that provide timely planning and all source fusion, analysis, and dissemination of intelligence across the Intelligence Community of the Marine Air Ground Task Force (MAGTF). IAS FoS ensures its systems are scalable dependant on the mission, and ensures that tactical intelligence is tailored to meet specific mission requirements from conventional to irregular warfare. FY12 R&D OCO funding for IAS Mod Kits is requested to conduct integration, system testing, and evaluation of technology to incorporate into Intelligence Analysis Systems (IAS) Family of Systems (FoS) to directly support the Marines in OEF-A. Current intelligence efforts in Afghanistan have demonstrated a compelling need for COTS/GOTS product purchases to provide improved linking of structured and unstructured data sources, data and information discovery, and improved interoperability of data and exchange amongst the existing toolset applications. Without funding, the impact to OEF-A, as well as other Marine Corps overseas efforts, will be the lack of the Marines, and IAS FoS's ability to stay up-to-date with current technology (COTS/GOTS) that allows an increase in response time of intelligence analysis process, better quality intelligence products, and timely dissemination for units in support of OEF, or other overseas contingency operations.

Radio Reconnaissance Equipment Program (RREP) provides the Radio Battalions (RadBns), Radio Reconnaissance Platoons (RRP), and the Marine Corps Forces Special Operations Command (MARSOC) Direct Support Teams with mission unique Signals Intelligence/Ground Electronic Warfare (SIGINT/EW) Equipment suites. The latest suite of equipment, the SIGINT Suite 3 (SS-3) is comprised of technology and equipment necessary to prosecute advanced signals. The RRP Marines are trained and equipped to support the full spectrum of Marine Expeditionary Unit Special Operations Capable (MEU SOC) mission profiles as well as provide real time, imbedded support to any special operations scenario. This provides the supported commander greater flexibility in employing his SIGINT assets when the use of conventional RadBn assets are not feasible. RREP is currently maintaining the SS-3 using an evolutionary development approach that inserts the latest technology into the suite as it becomes mature. This enables the SS-3 to remain a current platform against emerging threats.

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| **APPROPRIATION/BUDGET ACTIVITY**<br>1319: *Research, Development, Test & Evaluation, Navy*<br>BA 7: *Operational Systems Development* | **R-1 ITEM NOMENCLATURE**<br>PE 0206625M: *USMC Intelligence/Electronics Warfare Sys* | **PROJECT**<br>2272: *Intel Command and Control (C2) Sys* |

Counterintelligence (CI) and Human Intelligence (HUMINT) Equipment Program (CIHEP) provides the MAGTF with integrated, standardized, and interoperable information (automated data processing), communication, and specialized equipment to conduct the full spectrum of tactical CI/Force Protection to include Irregular Warfare, HUMINT, and technical collection operations in accordance with applicable national oversight directives. CIHEP provides each CI/HUMINT Company (CIHCo) with a suite of state-of-the-market equipment comprised of commercial-off-the-shelf, government-off-the-shelf, and non-developmental items (COTS/GOTS/NDI). It integrates audio, video, imagery, communications, technical surveillance and computer equipment into lightweight, modular, scalable, deployable packages. CIHEP enhances the capability to collect, receive, process, and disseminate CI/HUMINT information from overt, sensitive, technical, tactical, and Force Protection, in the service, joint, and combined forces area of operations.
Intelligence Broadcast Receiver (IBR) The USB ENTR is the newest part of the Intelligence Broadcast Receiver family conforming to the DoD Integrated Broadcast Service (IBS) objectives of interoperability and commonality across the Services to receive and process near real-time intelligence data. The USB ENTR system is an integral portion of 7 additional Programs of Record, providing a significant reduction in size and weight from the currently fielded system. The USB ENTR provides access to IBS data via UHF SATCOM broadcast channels delivering near real-time intelligence information within Combatant Commanders theater of operation allowing intelligence analysis to respond to accelerated operations cycles supporting the Global War on Terrorism. The USB ENTR is the follow-on to the currently fielded system (Commanders Tactical Terminal) which, if not replaced prior to the NSA mandated cryptographic modernization date (classified) will become obsolete and unusable. In addition, the recently fielded Joint Tactical Terminal (JTT) IBR solution also requires a critical upgrade to meet the cryptographic modernization date in order to continue supporting GWOT operations.

Tactical Exploitation of National Capabilities (TENCAP) is a program designed to enhance the ability of tactical Marine Corps forces to exploit the capabilities of national intelligence-gathering systems. Congressionally directed, it requires close liaison with the intelligence community and involves complex and highly-sensitive activities. Effective FY12 the TENCAP program funding line will be merged into the IER funding line. The funding will continue to support rapid prototyping and integration of emerging technologies involving national systems data.

Communication Emitter Sensing and Attacking System (CESAS) has assumed the mission of sensing and denying the enemy the use of the electromagnetic spectrum, thereby disrupting the enemy"s command and control system. The CESAS covers the High Frequency (HF), Very High Frequency (VHF) and Utra High Frequency (UHF) frequency ranges against enemy emitters using modern modulation schemes. It is a D-30, Tier 3 system which allows flexible employment to conduct Electronic Attack (EA) while on the move or in a stationary position, thus optimizing the Commanders" ability to employ this asset for the greatest success of the mission. FY12 R&D OCO funding for CESAS is required to support software upgrades and Information Assurance updates for systems supporting Marine Expeditionary Brigade (MEB) ground Electronic Attack (EA) activities in Operation Enduring Freedom (OEF). This funding will also assist in the development of the advanced componentry required to reduce equipment damage realized by the Radio Battalions (RadBns) due to enemy engagement and platform suspension issues across rugged terrain.

| B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each) | FY 2010 | FY 2011 | FY 2012 Base | FY 2012 OCO | FY 2012 Total |
|---|---|---|---|---|---|
| ***Title:*** *CESAS: Engineering and Program Management Support Services | - | - | - | 0.500 | 0.500 |
| ***Articles:*** | | | 0 | 0 | 0 |
| ***FY 2012 Base Plans:*** | | | | | |

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| APPROPRIATION/BUDGET ACTIVITY<br>1319: *Research, Development, Test & Evaluation, Navy*<br>BA 7: *Operational Systems Development* | R-1 ITEM NOMENCLATURE<br>PE 0206625M: *USMC Intelligence/Electronics Warfare Sys* | PROJECT<br>2272: *Intel Command and Control (C2) Sys* |

| B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each) | FY 2010 | FY 2011 | FY 2012 Base | FY 2012 OCO | FY 2012 Total |
|---|---|---|---|---|---|
| N/A<br>***FY 2012 OCO Plans:***<br>This funding is required to support software upgrades and Information Assurance updates for systems supporting Marine Expeditionary Brigade (MEB) ground Electronic Attack (EA) activities in Operation Enduring Freedom (OEF). This funding will also assist in the development of the advanced componentry required to reduce equipment damage realized by the Radio Battalions (RadBns) due to enemy engagement and platform suspension issues across rugged terrain. | | | | | |
| ***Title:*** *Intelligence Analysis System, Mod Kit: Program Management<br>***Articles:***<br>***Description:*** Effective FY12 The Global Command Control Station (GCCS) I3 funding line is merged into the Intelligence Analysis System (IAS) funding line.<br>***FY 2012 Base Plans:***<br>Program management support for the integration and updates of the GCCS I3 software into the IAS FoS software baseline. Planned purchase of R&D prototyping software/hardware efforts for future IAS FoS software baselines. | - | - | 2.214<br>0 | - | 2.214<br>0 |
| ***Title:*** *Intelligence Analysis System, Mod Kit: Development Support<br>***Articles:***<br>***Description:*** Effective FY12 The Global Command Control Station (GCCS) I3 funding line is merged into the Intelligence Analysis System (IAS) funding line.<br>***FY 2012 Base Plans:***<br>Planned to support software development and integration of all IAS FoS related COTS and GOTS software.<br>***FY 2012 OCO Plans:***<br>Funding is requested to conduct integration, system testing, and evaluation of technology to incorporate into Intelligence Analysis Systems (IAS) Family of Systems (FoS) to directly support the Marines in OEF-A. Current intelligence efforts in Afghanistan have demonstrated a compelling need for COTS/GOTS product purchases to provide improved linking of structured and unstructured data sources, data and information discovery, and improved interoperability of data and exchange amongst the existing toolset applications. Without funding, the impact to OEF-A, as well as other Marine Corps overseas efforts, will be the lack of the Marines, and IAS FoS's | - | - | 0.334<br>0 | 1.400<br>0 | 1.734<br>0 |

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| APPROPRIATION/BUDGET ACTIVITY<br>1319: *Research, Development, Test & Evaluation, Navy*<br>BA 7: *Operational Systems Development* | R-1 ITEM NOMENCLATURE<br>PE 0206625M: *USMC Intelligence/Electronics Warfare Sys* | PROJECT<br>2272: *Intel Command and Control (C2) Sys* |

| B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each) | FY 2010 | FY 2011 | FY 2012 Base | FY 2012 OCO | FY 2012 Total |
|---|---|---|---|---|---|
| ability to stay up-to-date with current technology (COTS/GOTS) that allows an increase in response time of intelligence analysis process, better quality intelligence products, and timely dissemination for units in support of OEF, or other overseas contingency operations. | | | | | |
| ***Title:*** *GCCS-I3: Software Engineering Support<br>***Articles:***<br><br>***FY 2010 Accomplishments:***<br>Supported integrating and updating GCCS I3 software into the IAS FoS software baseline. Additionally, funds were used to support integrating quarterly patches for distribution to OPFOR.<br><br>***FY 2011 Plans:***<br>Planned Integration and updates in support of incorporating GCCS I3 software into the IAS FoS software baseline. | 0.866<br>0 | 0.856<br>0 | - | - | - |
| ***Title:*** *GCCS-I3: Program Support<br>***Articles:***<br><br>***FY 2010 Accomplishments:***<br>Provided program management support for the integration and updates of the GCCS I3 software into the IAS FoS software baseline.<br><br>***FY 2011 Plans:***<br>Planned program management support for the integration and updates of the GCCS I3 software into the IAS FoS software baseline. | 0.597<br>0 | 0.587<br>0 | - | - | - |
| ***Title:*** *GCCS-I3: Acquisition Logistics Support<br>***Articles:***<br><br>***FY 2010 Accomplishments:***<br>Supported services related to the storage and shipment of GCCS I3 software to include configuration management<br><br>***FY 2011 Plans:***<br>Planned to provide support services related to the storage and shipment of GCCS I3 software to include configuration management. | 0.129<br>0 | 0.129<br>0 | - | - | - |
| ***Title:*** *GCCS-I3: Program Testing | 0.134 | 0.141 | - | - | - |

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| B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each) | FY 2010 | FY 2011 | FY 2012 Base | FY 2012 OCO | FY 2012 Total |
|---|---|---|---|---|---|
| ***Articles:*** | 0 | 0 | | | |
| ***FY 2010 Accomplishments:***<br>Supported integration level testing of GCCS I3 in the IAS FoS software baseline.<br>***FY 2011 Plans:***<br>Planned to support integration level testing of GCCS I3 in the IAS FoS software baseline. | | | | | |
| ***Title:*** *DCGS-MC: Test and Evaluation Support | 1.450 | - | - | - | - |
| ***Articles:*** | 0 | | | | |
| ***FY 2010 Accomplishments:***<br>DCGS-MC conducted prototype developmental testing in support of the Milestone A, Technology Development phase while coordinating JITC and MCOTEA system capability observations during Empire Challenge '10. | | | | | |
| ***Title:*** *DCGS-MC: Integration | 2.615 | - | - | - | - |
| ***Articles:*** | 0 | | | | |
| ***FY 2010 Accomplishments:***<br>Conducted Squadron Expeditionary Exploitation Suite design, development, integration, test, and Field User Evaluation (FUE) activities. Prototyped, refined and implemented the user interface for the DCGS-MC Portal and initiated definition & development of the DCGS-MC Intelligence Analyst Semantic WIKI. | | | | | |
| ***Title:*** *DCGS-MC: Engineering and Technical Support | 1.136 | - | - | - | - |
| ***Articles:*** | 0 | | | | |
| ***FY 2010 Accomplishments:***<br>Requirements analysis and support to the CDD development, preparation and conduct of System Requirements Review, development of the Software Development Plan, Systems Engineering Plan and the Test and Evaluation Master Plan. | | | | | |
| ***Title:*** *DCGS-MC: Studies and Analysis | 3.978 | - | - | - | - |
| ***Articles:*** | 0 | | | | |
| ***FY 2010 Accomplishments:***<br>Design of the prototype DCGS-MC Increment 1 System, for use in Empire Challenge 2010, based on integration of most recent DCGS Integration Backbone software, and full integration of the Marine Corps GEOINT capabilities provided by the Topographic Product Capability. | | | | | |

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| APPROPRIATION/BUDGET ACTIVITY<br>1319: *Research, Development, Test & Evaluation, Navy*<br>BA 7: *Operational Systems Development* | R-1 ITEM NOMENCLATURE<br>PE 0206625M: *USMC Intelligence/Electronics Warfare Sys* | PROJECT<br>2272: *Intel Command and Control (C2) Sys* |

| B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each) | FY 2010 | FY 2011 | FY 2012 Base | FY 2012 OCO | FY 2012 Total |
|---|---|---|---|---|---|
| Development and execution of a field user evaluation (FUE) for the processing, exploitation and enterprise exposure of USMC Tactical Imagery (F-18 ATARS) data for Afghanistan operations. | | | | | |
| ***Title:*** *TROJAN SPIRIT: Engineering and Technical Support | 0.414 | 0.412 | 0.431 | - | 0.431 |
| ***Articles:*** | 0 | 0 | 0 | | 0 |
| ***FY 2010 Accomplishments:***<br>Completed engineering and technical support. | | | | | |
| ***FY 2011 Plans:***<br>Planned engineering and technical support. | | | | | |
| ***FY 2012 Base Plans:***<br>Management and Technical Support which includes studies and analysis of next generation Special Intelligence Communications (SI COMMS) systems. | | | | | |
| ***Title:*** *Technical Control and Analysis Center PIP (TCAC-PIP): Software Upgrade | 1.836 | 1.827 | 1.392 | - | 1.392 |
| ***Articles:*** | 0 | 0 | 0 | | 0 |
| ***FY 2010 Accomplishments:***<br>Completed software development,integration and testing for COE 4.X and future releases. | | | | | |
| ***FY 2011 Plans:***<br>Planned Software Upgrade. | | | | | |
| ***FY 2012 Base Plans:***<br>Continued Software Upgrade for the RAWS Transportable Work Station (TWS) and planned integration of the Cyber Analysis Tools into the TCAC Family of Systems (FOS). | | | | | |
| ***Title:*** *Technical Control and Analysis Center PIP (TCAC-PIP): Program Management Support | 0.070 | 0.077 | 0.545 | - | 0.545 |
| ***Articles:*** | 0 | 0 | 0 | | 0 |
| ***FY 2010 Accomplishments:***<br>Planned program management support. | | | | | |
| ***FY 2011 Plans:***<br>Planned program management support. | | | | | |
| ***FY 2012 Base Plans:*** | | | | | |

| Exhibit R-2A, RDT&E Project Justification: PB 2012 Navy | | DATE: February 2011 |
|---|---|---|
| APPROPRIATION/BUDGET ACTIVITY<br>1319: *Research, Development, Test & Evaluation, Navy*<br>BA 7: *Operational Systems Development* | R-1 ITEM NOMENCLATURE<br>PE 0206625M: *USMC Intelligence/Electronics Warfare Sys* | PROJECT<br>2272: *Intel Command and Control (C2) Sys* |

| B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each) | FY 2010 | FY 2011 | FY 2012 Base | FY 2012 OCO | FY 2012 Total |
|---|---|---|---|---|---|
| Continued program management support for the Integration of the Cyber Analysis Tools into the TCAC FOS. | | | | | |
| ***Title:*** *Joint Surveillance Target Attack Radar System (JSTARS): Engineering and Tech Support<br>***Articles:***<br>***FY 2010 Accomplishments:***<br>Planned engineering, technical and management support.<br>***FY 2011 Plans:***<br>Continued engineering, technical and management support. | 0.033<br>0 | 0.050<br>0 | - | - | - |
| ***Title:*** *Joint Surveillance Target Attack Radar System (JSTARS): MTI Integration<br>***Articles:***<br>***FY 2010 Accomplishments:***<br>Completed Moving Target Indicator(MTI) integration into ground element.<br>***FY 2011 Plans:***<br>Continue MTI integration into USMC Intelligence Systems. | 0.199<br>0 | 0.500<br>0 | - | - | - |
| ***Title:*** *Tactical Remote Sensor System (TRSS): RSMS VER 4.2.2.<br>***Articles:***<br>***FY 2010 Accomplishments:***<br>Completed evolutionary software development of Remote Sensor Management System (RSMS) versions 4.2.2 and 5.0.<br>***FY 2011 Plans:***<br>Continued evolutionary software upgrade from Remote Sensor Management System (RSMS) VER 5.0 to Sentinal VER 2.0.<br>***FY 2012 Base Plans:***<br>Continue TRSS evolutionary software upgrade to Sentinal VER 3.0. | 0.375<br>0 | 0.850<br>0 | 0.295<br>0 | - | 0.295<br>0 |
| ***Title:*** *Tactical Remote Sensor System (TRSS): Engineering and Tech Support<br>***Articles:***<br>***FY 2010 Accomplishments:*** | 0.100<br>0 | 0.500<br>0 | 0.307<br>0 | - | 0.307<br>0 |

| Exhibit R-2A, RDT&E Project Justification: PB 2012 Navy | | DATE: February 2011 |
|---|---|---|
| APPROPRIATION/BUDGET ACTIVITY<br>1319: *Research, Development, Test & Evaluation, Navy*<br>BA 7: *Operational Systems Development* | R-1 ITEM NOMENCLATURE<br>PE 0206625M: *USMC Intelligence/Electronics Warfare Sys* | PROJECT<br>2272: *Intel Command and Control (C2) Sys* |

| B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each) | FY 2010 | FY 2011 | FY 2012 Base | FY 2012 OCO | FY 2012 Total |
|---|---|---|---|---|---|
| Completed on-going engineering and technical management support.<br>***FY 2011 Plans:***<br>Continued on-going engineering and technical management support.<br>***FY 2012 Base Plans:***<br>Continue on-going engineering and technical management support. | | | | | |
| ***Title:*** *Tactical Remote Sensor System (TRSS): CSR Integration | 1.413 | 0.700 | - | 0.400 | 0.400 |
| ***Articles:*** | 0 | 0 | 0 | 0 | 0 |
| ***FY 2010 Accomplishments:***<br>Completed planned development of Imaging and Processor Board II/Common Sensor Radio (CSR) integration.<br>***FY 2011 Plans:***<br>Continued evolutionary efforts for CSR integration.<br>***FY 2012 Base Plans:***<br>N/A<br>***FY 2012 OCO Plans:***<br>Planned completion of CSR integration. | | | | | |
| ***Title:*** *Tactical Remote Sensor System (TRSS): Urban Sensor System(USS) | 0.680 | 1.947 | - | - | - |
| ***Articles:*** | 0 | 0 | | | |
| ***FY 2010 Accomplishments:***<br>Completed planned phase of Urban Sensor System (USS) development.<br>***FY 2011 Plans:***<br>Continued planned development of USS. | | | | | |
| ***Title:*** *Tactical Remote Sensor System (TRSS): IOT&E, Increment II | 0.100 | 0.120 | 0.100 | 0.250 | 0.350 |
| ***Articles:*** | 0 | 0 | 0 | 0 | 0 |
| ***FY 2010 Accomplishments:***<br>Completed support of initial operational test and evaluation (IOTE) and Increment II efforts.<br>***FY 2011 Plans:*** | | | | | |

| Exhibit R-2A, RDT&E Project Justification: PB 2012 Navy | | DATE: February 2011 |
|---|---|---|
| **APPROPRIATION/BUDGET ACTIVITY**<br>1319: *Research, Development, Test & Evaluation, Navy*<br>BA 7: *Operational Systems Development* | **R-1 ITEM NOMENCLATURE**<br>PE 0206625M: *USMC Intelligence/Electronics Warfare Sys* | **PROJECT**<br>2272: *Intel Command and Control (C2) Sys* |

| B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each) | FY 2010 | FY 2011 | FY 2012 Base | FY 2012 OCO | FY 2012 Total |
|---|---|---|---|---|---|
| Planned upgrades to Increment II.<br>***FY 2012 Base Plans:***<br>Planned IOT&E for the TRSS CSR baseline.<br>***FY 2012 OCO Plans:***<br>Planned IOT&E for the TRSS CSR baseline. | | | | | |
| ***Title:*** *Team Portable Colllection System (TPCS): System Development<br>***Articles:***<br>***FY 2011 Plans:***<br>Planned system development of upgrades.<br>***FY 2012 Base Plans:***<br>Plan system development of technology insertion upgrades.<br>***FY 2012 OCO Plans:***<br>RDTE is required to meet new requirements to integrate new Special Intelligence technologies. These new requirements are not currently funded in the FYDP thus FY12 OCO funds are needed to complete the development, integration, modification, and testing efforts initiated in FY10. These new RadBn Mods FUE"d systems will be transitioned into the TPCS configuration to include MoonDate, 4453 Receivers, ICS3, Internal DF Processor, precision location tools, and Snap-in Sleeve Design. OCO funds are necessary to complete the development of these technology insertions in order to execute subseqent FY13 procurement and deployment to meet emerging OEF requirements. | - | 1.213<br>0 | 1.000<br>0 | 1.500<br>0 | 2.500<br>0 |
| ***Title:*** *Team Portable Collection System (TPCS): Training Development and Test Support<br>***Articles:***<br>***FY 2010 Accomplishments:***<br>Planned training development and test support.<br>***FY 2011 Plans:***<br>Plan training development and test support.<br>***FY 2012 Base Plans:***<br>Continue efforts for training development and test support. | 1.415<br>0 | 1.307<br>0 | 1.972<br>0 | - | 1.972<br>0 |
| ***Title:*** *Team Portable Collection System (TPCS): Program Support | 0.117 | 1.500 | 0.721 | - | 0.721 |

| Exhibit R-2A, RDT&E Project Justification: PB 2012 Navy | | DATE: February 2011 |
|---|---|---|
| **APPROPRIATION/BUDGET ACTIVITY**<br>1319: *Research, Development, Test & Evaluation, Navy*<br>BA 7: *Operational Systems Development* | **R-1 ITEM NOMENCLATURE**<br>PE 0206625M: *USMC Intelligence/Electronics Warfare Sys* | **PROJECT**<br>2272: *Intel Command and Control (C2) Sys* |

| B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each) | FY 2010 | FY 2011 | FY 2012 Base | FY 2012 OCO | FY 2012 Total |
|---|---|---|---|---|---|
| ***Articles:*** | 0 | 0 | 0 | | 0 |
| ***FY 2010 Accomplishments:***<br>Completed program support and management.<br>***FY 2011 Plans:***<br>Planned program support and management.<br>***FY 2012 Base Plans:***<br>Planned program support and management. | | | | | |
| ***Title:*** *Wide Field of View Persistent Surveillance (WFVPS): Engineering and Technical Support | 0.226 | 0.490 | 0.434 | - | 0.434 |
| ***Articles:*** | 0 | 0 | 0 | | 0 |
| ***FY 2010 Accomplishments:***<br>Completed engineering and technical support.<br>***FY 2011 Plans:***<br>Planned engineering and technical support.<br>***FY 2012 Base Plans:***<br>Continued engineering and technical support for Persistent Intelligence Surveillance and Reconnaissance (P-ISR). | | | | | |
| ***Title:*** *MAGTF Secondary Imagery Dissemination System: Program and Tech Support | 0.049 | 0.050 | 0.050 | - | 0.050 |
| ***Articles:*** | 0 | 0 | 0 | | 0 |
| ***FY 2010 Accomplishments:***<br>Continued on-going technical support for product development of hardware and software refresh.<br>***FY 2011 Plans:***<br>Continue on-going technical support for product development of hardware and software refresh.<br>***FY 2012 Base Plans:***<br>Continue on-going technical support for product development of hardware and software refresh. | | | | | |
| ***Title:*** *MAGTF Secondary Imagery Dissemination System: Engineering Support | 0.218 | 0.220 | 0.238 | - | 0.238 |
| ***Articles:*** | 0 | 0 | 0 | | 0 |
| ***FY 2010 Accomplishments:*** | | | | | |

| Exhibit R-2A, RDT&E Project Justification: PB 2012 Navy | | DATE: February 2011 |
|---|---|---|
| **APPROPRIATION/BUDGET ACTIVITY**<br>1319: *Research, Development, Test & Evaluation, Navy*<br>BA 7: *Operational Systems Development* | **R-1 ITEM NOMENCLATURE**<br>PE 0206625M: *USMC Intelligence/Electronics Warfare Sys* | **PROJECT**<br>2272: *Intel Command and Control (C2) Sys* |

| B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each) | FY 2010 | FY 2011 | FY 2012 Base | FY 2012 OCO | FY 2012 Total |
|---|---|---|---|---|---|
| Continued on-going engineering support for development of hardware and software refresh.<br>***FY 2011 Plans:***<br>Continue on-going engineering support for development of hardware and software refresh.<br>***FY 2012 Base Plans:***<br>Continue on-going engineering support for development of hardware and software refresh. | | | | | |
| ***Title:*** *Intelligence Equipment Readiness (IER): Program and Technical Support<br>***Articles:***<br>***FY 2010 Accomplishments:***<br>Planned program management and technical support.<br>***FY 2011 Plans:***<br>Planned program management and technical support.<br>***FY 2012 Base Plans:***<br>Continued program management and technical support for Rapid Technology Insertion. $1M increase in FY12 due to re-alignment of IER PMC and OMMC into RDT&E appropriation to address development efforts in Rapid Technology Insertion to rapidly mitigate intelligence infrastructure shortfalls. An additional $618K increase in FY12 as a result of the merger of the Tactical Exploitation of National Capabilities (TENCAP)program into the IER funding line. The funding will continue to support rapid prototyping and integration of emerging technologies involving national systems data. | 0.200<br>0 | 0.197<br>0 | 2.523<br>0 | - | 2.523<br>0 |
| ***Title:*** *Intelligence Analysis System, Mod Kit: Software Support<br>***Articles:***<br>***FY 2010 Accomplishments:***<br>Supported software development and integration of all IAS FoS related COTS and GOTS software. Additionally, funds were used to support integrating quarterly patches for distribution to OPFOR.<br>***FY 2011 Plans:***<br>Planned to support software development and integration of all IAS FoS related COTS and GOTS software. | 0.866<br>0 | 0.965<br>0 | - | - | - |
| ***Title:*** *Intelligence Analysis System, Mod Kit: Acquisition Logistics Support<br>***Articles:***<br>***FY 2010 Accomplishments:*** | 0.519<br>0 | 0.523<br>0 | - | - | - |

| Exhibit R-2A, RDT&E Project Justification: PB 2012 Navy | | DATE: February 2011 |
|---|---|---|
| APPROPRIATION/BUDGET ACTIVITY<br>1319: *Research, Development, Test & Evaluation, Navy*<br>BA 7: *Operational Systems Development* | R-1 ITEM NOMENCLATURE<br>PE 0206625M: *USMC Intelligence/Electronics Warfare Sys* | PROJECT<br>2272: *Intel Command and Control (C2) Sys* |

| B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each) | FY 2010 | FY 2011 | FY 2012 Base | FY 2012 OCO | FY 2012 Total |
|---|---|---|---|---|---|
| Supported the purchase of R&D prototyping software/hardware efforts for future IAS FoS software baselines.<br>***FY 2011 Plans:***<br>Planned to support the purchase of R&D prototyping software/hardware efforts for future IAS FoS software baselines. | | | | | |
| ***Title:*** *Radio Recon Equipment Program: Program and Technical Support<br>***Articles:***<br>***FY 2010 Accomplishments:***<br>Completed project management and technical support for research and test of new technologies for system upgrades.<br>***FY 2011 Plans:***<br>Planned project management and technical support for research and test of new technologies for system upgrades.<br>***FY 2012 Base Plans:***<br>Planned project management and technical support for research, testing, and integration efforts for technical refresh and upgrades of program hardware and software. | 0.804<br>0 | 0.821<br>0 | 0.831<br>0 | - | 0.831<br>0 |
| ***Title:*** *Counterintel and Human Intel Equip (CIHEP): Engineering and Technical Support<br>***Articles:***<br>***FY 2010 Accomplishments:***<br>Continued engineering, integration and technical support for the refresh of program hardware and software.<br>***FY 2011 Plans:***<br>Continue engineering, integration and technical support for the refresh of program hardware and software.<br>***FY 2012 Base Plans:***<br>Planned engineering, integration, and technical support for continuing the refresh of program hardware and software. | 0.039<br>0 | 0.040<br>0 | 0.133<br>0 | - | 0.133<br>0 |
| ***Title:*** *Counterintel and Human Intel Equip (CIHEP): Program Management Support<br>***Articles:***<br>***FY 2010 Accomplishments:*** | 0.089<br>0 | 0.090<br>0 | - | - | - |

| Exhibit R-2A, RDT&E Project Justification: PB 2012 Navy | | DATE: February 2011 |
|---|---|---|
| APPROPRIATION/BUDGET ACTIVITY<br>1319: *Research, Development, Test & Evaluation, Navy*<br>BA 7: *Operational Systems Development* | R-1 ITEM NOMENCLATURE<br>PE 0206625M: *USMC Intelligence/Electronics Warfare Sys* | PROJECT<br>2272: *Intel Command and Control (C2) Sys* |

| B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each) | FY 2010 | FY 2011 | FY 2012 Base | FY 2012 OCO | FY 2012 Total |
|---|---|---|---|---|---|
| Planned program management support.<br>***FY 2011 Plans:***<br>Planned program management support. | | | | | |
| ***Title:*** *Intelligence Broadcast Receiver (IBR): Engineering and Technical Support<br>***Articles:***<br>***FY 2010 Accomplishments:***<br>Completed engineering and technical support.<br>***FY 2011 Plans:***<br>Planned engineering and technical support.<br>***FY 2012 Base Plans:***<br>Continued contractor program support for USB ENTR Integration, Common Message Format and Tactical Receive Segment Software Testing. | 0.495<br>0 | 0.493<br>0 | 0.421<br>0 | - | 0.421<br>0 |
| ***Title:*** *Intelligence Broadcast Receiver (IBR): Contractor Support<br>***Articles:***<br>***FY 2010 Accomplishments:***<br>Completed contractor program support.<br>***FY 2011 Plans:***<br>Planned contractor program support.<br>***FY 2012 Base Plans:***<br>Planned contractor program support for USB ENTR Integration, Common Message Format and Tactical Receive Segment Software Testing. | 0.138<br>0 | 0.147<br>0 | 0.160<br>0 | - | 0.160<br>0 |
| ***Title:*** *Tactical Exploitation of National Capabilities (TENCAP): Program Support<br>***Articles:***<br>***FY 2010 Accomplishments:***<br>Completed on-going program support and management; evaluate National Intelligence data systems for MAGTF applicability.<br>***FY 2011 Plans:*** | 3.320<br>0 | 3.372<br>0 | - | - | - |

| Exhibit R-2A, RDT&E Project Justification: PB 2012 Navy | | DATE: February 2011 |
|---|---|---|
| **APPROPRIATION/BUDGET ACTIVITY**<br>1319: *Research, Development, Test & Evaluation, Navy*<br>BA 7: *Operational Systems Development* | **R-1 ITEM NOMENCLATURE**<br>PE 0206625M: *USMC Intelligence/Electronics Warfare Sys* | **PROJECT**<br>2272: *Intel Command and Control (C2) Sys* |

| B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each) | FY 2010 | FY 2011 | FY 2012 Base | FY 2012 OCO | FY 2012 Total |
|---|---|---|---|---|---|
| Continue program support and management; evaluate National Intelligence data systems for MAGTF applicability. | | | | | |
| ***Title:*** *Tactical Exploitation of National Capabilities (TENCAP): Technical Assessments | 0.155 | 0.192 | - | - | - |
| ***Articles:*** | 0 | 0 | | | |
| ***FY 2010 Accomplishments:***<br>Planned technical assessments of emerging National data dissemination capabilities. | | | | | |
| ***FY 2011 Plans:***<br>Planned technical assessments of emerging National data dissemination capabilities. | | | | | |
| **Accomplishments/Planned Programs Subtotals** | 24.775 | 20.316 | 14.101 | 4.050 | 18.151 |

**C. Other Program Funding Summary ($ in Millions)**

| Line Item | FY 2010 | FY 2011 | FY 2012 Base | FY 2012 OCO | FY 2012 Total | FY 2013 | FY 2014 | FY 2015 | FY 2016 | Cost To Complete | Total Cost |
|---|---|---|---|---|---|---|---|---|---|---|---|
| • PMC 47471: *DCGS* | 0.635 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.635 |
| • PMC 47474: *JSTARS* | 6.338 | 4.843 | 0.384 | 0.000 | 0.384 | 3.239 | 3.001 | 1.405 | 2.789 | Continuing | Continuing |
| • PMC 47475: *TRSS* | 5.403 | 10.249 | 9.862 | 4.714 | 14.576 | 9.544 | 8.602 | 9.276 | 9.135 | Continuing | Continuing |
| • PMC 47476: *TPCS* | 0.858 | 49.308 | 19.061 | 0.000 | 19.061 | 5.208 | 4.089 | 22.103 | 25.486 | Continuing | Continuing |
| • PMC 47478: *MSIDS* | 8.492 | 16.565 | 1.970 | 8.507 | 10.477 | 1.727 | 4.172 | 1.985 | 2.026 | Continuing | Continuing |
| • PMC 47479: *IER* | 11.019 | 5.434 | 2.831 | 5.000 | 7.831 | 2.777 | 1.928 | 2.137 | 1.628 | Continuing | Continuing |
| • PMC 474710: *IAS* | 4.534 | 20.132 | 2.210 | 1.400 | 3.610 | 14.125 | 13.590 | 3.568 | 6.868 | Continuing | Continuing |
| • PMC 474712: *CIHEP* | 6.455 | 9.956 | 6.712 | 1.440 | 8.152 | 5.323 | 9.432 | 9.184 | 9.751 | Continuing | Continuing |
| • PMC/4767: *DCGS* | 0.000 | 26.371 | 10.789 | 0.000 | 10.789 | 19.513 | 13.510 | 21.078 | 8.881 | Continuing | Continuing |
| • PMC/474713: *TCAC* | 1.431 | 15.737 | 12.741 | 3.078 | 15.819 | 11.881 | 11.409 | 6.622 | 8.932 | Continuing | Continuing |
| • PMC/474715: *IBR* | 6.806 | 4.250 | 0.392 | 6.993 | 7.385 | 0.437 | 0.450 | 0.415 | 0.422 | Continuing | Continuing |
| • PMC/474716: *CESAS* | 0.000 | 2.167 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | Continuing | Continuing |
| • PMC/474718: *RREP* | 1.081 | 12.966 | 1.348 | 9.900 | 11.248 | 1.378 | 1.420 | 1.468 | 1.493 | Continuing | Continuing |
| • PMC474737: *TROJAN SPIRIT* | 0.107 | 11.907 | 0.111 | 0.000 | 0.111 | 0.113 | 0.116 | 0.118 | 0.120 | Continuing | Continuing |

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|---|---|---|
| APPROPRIATION/BUDGET ACTIVITY<br>1319: *Research, Development, Test & Evaluation, Navy*<br>BA 7: *Operational Systems Development* | R-1 ITEM NOMENCLATURE<br>PE 0206625M: *USMC Intelligence/Electronics Warfare Sys* | PROJECT<br>2272: *Intel Command and Control (C2) Sys* |

**C. Other Program Funding Summary ($ in Millions)**

| Line Item | FY 2010 | FY 2011 | FY 2012 Base | FY 2012 OCO | FY 2012 Total | FY 2013 | FY 2014 | FY 2015 | FY 2016 | Cost To Complete | Total Cost |
|---|---|---|---|---|---|---|---|---|---|---|---|
| • PMC474733: *JWICS* | 6.867 | 7.108 | 4.662 | 6.100 | 10.762 | 3.315 | 3.436 | 2.134 | 2.185 | Continuing | Continuing |

**D. Acquisition Strategy**

(U) ACQUISITION STRATEGY GCCS-I3: This program promotes and ensures joint interoperability among all combatant commands for theater and national level common operational picture and integrated imagery and intelligence data in compliance with ICD 501. Engineering and technical support is provided to PM IDF&D systems integration efforts for incorporation of the COE and GCCS I3 software baseline. Integration is performed at the Integrated Team Solution Facility and SPAWAR. SPAWAR will be used as the hub for the majority of the integration effort of the GCCS I3 initiative.

(U) ACQUISITION STRATEGY DCGS-MC: The Marine Corps DCGS-MC project officer will leverage the USAF DCGS 10.2 Research, Development Test and Evaluation (RDT&E) effort and focus on the development of the DCGS Integrated Backbone (DIB) for the DCGS-MC. Additionally, the DCGS-MC will leverage MAGTF Legacy system DIB compliancy efforts.

(U) ACQUISITION STRATEGY TROJAN SPIRIT: Procure and continuously improve USMC TROJAN SPIRIT systems to meet evolving Marine Corps operational needs while maintaining interoperability with the Army TROJAN Network and maintaining, as closely as practical, configuration common to the Army TROJAN SPIRIT systems.

(U) ACQUISITION STRATEGY TCAC: The acquisition of components for the TCAC will maximize the use of existing equipment, NDI/COTS/GFE equipment/ software. The integration effort for TCAC hardware components will be accomplished under the control of the SSA, MCSC. Software integration and support will be accomplished by contractors under the control of the Project Officer. These activities report to and are directed by the Program Manager, Intelligence, Data, Fusion and Dissemination (IDF&D) Systems, Marine Corps Systems Command (MARCORSYSCOM). Maintenance support will be managed by MARCORLOGBASES Albany and MCSC, with separate contractual agreements.

(U) ACQUISITION STRATEGY JSTARS: JSTARS will utilize ongoing Army JSTARS contracts for continue development of MTI and MTI Sensor capabilities as well as upgrades to the JSTARS Common Software baseline. Post Deployment Software Support (PDSS) will be provided through the Army Communications-Electronics Command (CECOM), Ft Monmouth, NJ. Surveillance Control Data Link (SCDL) refresh efforts will conducted in conjunction with the Army JSTARS Program Office. Development of a Moving Target Indicator capability for integration into the Distributed Common Ground System-Marine Corps will continue through MTCSC.
(U) ACQUISITION STRATEGY TRSS: The TRSS are typically Non-Developmental Item (NDI) integration efforts, making maximum use of the efforts of hardware and software initially developed by other DoD organizations and programs. The initial phases of each Increments are cost-plus fixed-fee efforts, while the production phase, which encompasses the production, fielding, training and initial support of the systems, are firm-fixed price efforts.

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| APPROPRIATION/BUDGET ACTIVITY<br>1319: *Research, Development, Test & Evaluation, Navy*<br>BA 7: *Operational Systems Development* | R-1 ITEM NOMENCLATURE<br>PE 0206625M: *USMC Intelligence/Electronics Warfare Sys* | PROJECT<br>2272: *Intel Command and Control (C2) Sys* |

(U) ACQUISITION STRATEGY TPCS: TPCS, the ever-increasing sophistication of target threats and information technology necessitates an evolutionary acquisition approach. TPCS will make incremental improvements through maximum use of COTS, GOTS and NDI. These technology insertions and product improvements will ensure the Radio Battalions maintain cutting edge technologies and collection capabilities.

(U) ACQUISITION STRATEGY TPC: The TPC will refresh and upgrade the existing TPC equipment as technology advances. As new technology emerges, the current fielded systems will need incremental hardware and software refreshes to sustain operational requirements and to meet the ORD requirement compliance with the NGA US Imagery and Geospatial Information System. The TPC program uses existing Government contracts for hardware/software development and integration. Full-time contractor support is provided through the Commercial Enterprise Omnibus Support Services (CEOss) contract. Additionally, all full time engineering and integration support is provided by Northrop Grumman Information Technology TASC through the Information Technology Omnibus Procurement II (ITOP II) contract under the auspices of the MCSC Information Technology Modernization 2000 (ITM2K) Project Office. Maintenance support will be managed by MARCORLOGBASES Albany and MCSC, Albany and through separate contractual agreements.

(U) ACQUISITION STRATEGY TEG: The TEG Program Office leverages the advantages of its multi-service common software baseline and inherent Joint service interoperability. Development, integration, interoperability, security certification and accreditation and acquisition is divided between three prime contractors: Northrop Grumman Electronic Systems, Baltimore, MD (NGB) (through a classified contract); Space and Naval Warfare Systems Center, Charleston, SC (SSCC), and MTC Services Corporation. An incremental refresh is currently ongoing for the TEG Main.

(U) ACQUISITION STRATEGY WFVPS: MCCDC maintains sponsorship of the Angel Fire UUNS. Marine Corps funds Air Force Research Lab to support the United States Air Force (USAF) in the development of subsequent sensor spirals as a technology demonstration supporting Marines operating in the CENTCOM AOR. In keeping with the Program Decision Memorandum (PDM) of November 2007. Development, integration, interoperability and testing are divided between AFRL, Los Alamos National Laboratory (LANL) and the NRL.

(U) ACQUISITION STRATEGY MSIDS: Research, test and integrate new technology to keep pace with the evolving Marine Corps operational needs. Acquisition will maximize the use of NDI/COTS hardware and software to ensure the supporting units maintain cutting edge technology and collection capabilities.

(U) ACQUISITION STRATEGY IER: This program seeks to support a wide range of technology solutions based on the requests received from the Operating Forces and/or PM Intelligence Program of Record. The request must require solution evaluation beyond merely acquisition to be recommended as an Intelligence Systems Readiness (ISR) candidate. Each request will be validated by the ISR team and approved by the Project Officer and PM Intel before solution evaluation begins. The ISR program will use COTS/GOTS/NDI solutions to the greatest extent possible.

(U) ACQUISITION STRATEGY IAS: The IAS program uses existing Government contracts for hardware and software development and integration. The system is comprised primarily of Commercial Off-the-Shelf (COTS) and Government Off-The-Shelf (GOTS) equipment. The IAS FoS utilizes an evolutionary strategy to ensure periodic incorporation of state-of-the-art technology that meets both current and future Marine Corps intelligence requirements while maintaining system readiness and reliability.

| Exhibit R-2A, RDT&E Project Justification: PB 2012 Navy | | DATE: February 2011 |
|---|---|---|
| APPROPRIATION/BUDGET ACTIVITY<br>1319: *Research, Development, Test & Evaluation, Navy*<br>BA 7: *Operational Systems Development* | R-1 ITEM NOMENCLATURE<br>PE 0206625M: *USMC Intelligence/Electronics Warfare Sys* | PROJECT<br>2272: *Intel Command and Control (C2) Sys* |

(U) ACQUISITION STRATEGY RREP: Research, test, and integrate new technology to keep pace with the evolving Marine Corps operational needs. Acquisition will maximize the use of NDI/COTS hardware and software to ensure the supporting units maintain cutting edge technology and collection capabilities.

(U) ACQUISITION STRATEGY CIHEP: The CIHEP Acquisition Strategy is designed to procure, integrate, and field upgrades over a three year period. The purchase and integration of these products provides the CI/HUMINT operator the benefit of recent HW and SW advances along with scalability, portability and interoperability with MAGTF systems. To the maximum extent possible existing contracts and relationships with other entities (within MCSC and otherwise) are leveraged to effect cost savings and capitalize on research and development already being done. CIHEP is designed as a modular system and is horizontally fielded to the CI/HUMINT Companies in blocks as the integration of individual modules are completed. With COTS/GOTS/NDI equipment, all applicable commercial warranties are passed through to the government. Additionally, Field Service Technicians at each of the Marine Expeditionary Forces will maintain, repair and replace suite components.

(U) ACQUISITION STRATEGY IBR: Existing external RDTE contract will be used for Common Interactive Broadcast (CIB) upgrade development and COMSEC upgrade integration for USB ENTR and Joint Tactical Terminal (JTT)- SR to meet DoD and NSA mandates for MIL-STD waveform integration and COMSEC modernization.

(U) ACQUISITION STRATEGY TENCAP: Work will be led in-house. Necessary contractor support will be acquired using existing contracts.

(U) ACQUISITION STRATEGY CESAS: CESAS continues to be a combination of evolutionary and incremental development. Cost savings will be optimized by designed open architecture of systems for rapid insertion of new technology, maintaining integration and production team relationships, leveraging off of cooperative service ventures and technology development.

**E. Performance Metrics**

N/A

| Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Navy | | DATE: February 2011 |
|---|---|---|
| APPROPRIATION/BUDGET ACTIVITY<br>1319: *Research, Development, Test & Evaluation, Navy*<br>BA 7: *Operational Systems Development* | R-1 ITEM NOMENCLATURE<br>PE 0206625M: *USMC Intelligence/Electronics Warfare Sys* | PROJECT<br>2272: *Intel Command and Control (C2) Sys* |

**Product Development ($ in Millions)**

| Cost Category Item | Contract Method & Type | Performing Activity & Location | Total Prior Years Cost | FY 2011 Cost | FY 2011 Award Date | FY 2012 Base Cost | FY 2012 Base Award Date | FY 2012 OCO Cost | FY 2012 OCO Award Date | FY 2012 Total Cost | Cost To Complete | Total Cost | Target Value of Contract |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TENCAP | C/FP | L3 COMM:STAFFORD, VA | 28.530 | 3.564 | Dec 2010 | - | | - | | - | 0.000 | 32.094 | |
| TPCS | C/CPFF | SPAWAR:CHARLESTON, SC | 6.143 | 2.520 | May 2011 | 1.000 | Mar 2012 | 1.500 | Feb 2012 | 2.500 | 0.000 | 11.163 | |
| TRSS | C/FP | VARIOUS:Not Specified | 4.762 | 2.647 | Nov 2010 | 0.300 | Dec 2011 | 0.400 | Dec 2011 | 0.700 | 0.000 | 8.109 | |
| TROJAN SPIRIT | MIPR | CECOM:FT. MONMOUTH, NJ | 0.414 | 0.412 | Dec 2010 | - | | - | | - | 0.000 | 0.826 | |
| TCAC | C/CPFF | SPAWAR:CHARLESTON, SC | - | - | | 0.598 | Dec 2011 | - | | 0.598 | 0.000 | 0.598 | |
| IAS | C/CPFF | VARIOUS:Not Specified | 1.739 | - | | 0.316 | Feb 2012 | 1.400 | Jan 2012 | 1.716 | 0.000 | 3.455 | |
| TCAC | Various | MCSC:QUANTICO, VA | - | - | | 0.761 | Apr 2012 | - | | 0.761 | 0.000 | 0.761 | |
| CESAS | WR | NRL:ARLINGTON, VA | - | - | | - | | 0.500 | Feb 2012 | 0.500 | 0.000 | 0.500 | |
| | | **Subtotal** | 41.588 | 9.143 | | 2.975 | | 3.800 | | 6.775 | 0.000 | 57.506 | |

**Support ($ in Millions)**

| Cost Category Item | Contract Method & Type | Performing Activity & Location | Total Prior Years Cost | FY 2011 Cost | FY 2011 Award Date | FY 2012 Base Cost | FY 2012 Base Award Date | FY 2012 OCO Cost | FY 2012 OCO Award Date | FY 2012 Total Cost | Cost To Complete | Total Cost | Target Value of Contract |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GCCS-I3 | Various | VAR:VAR | 6.942 | 1.609 | Feb 2011 | - | | - | | - | 0.000 | 8.551 | |
| TRSS | Various | VAR:VAR | 11.546 | 1.350 | May 2011 | 0.302 | Feb 2012 | - | | 0.302 | 0.000 | 13.198 | |
| MSIDS | Various | VAR:VAR | 0.267 | 0.270 | May 2011 | 0.288 | Nov 2011 | - | | 0.288 | 0.000 | 0.825 | |
| CIHEP | WR | NPS:MONTEREY, CA | 0.253 | 0.130 | May 2011 | 0.133 | Mar 2012 | - | | 0.133 | 0.000 | 0.516 | |
| IAS | Various | VAR:VAR | 8.923 | 1.488 | Jan 2011 | 2.232 | Jan 2012 | - | | 2.232 | 0.000 | 12.643 | |
| TCAC | Various | VAR:VAR | 5.274 | 1.847 | Dec 2010 | - | | - | | - | 0.000 | 7.121 | |
| IBR | C/CPFF | MTCSC:STAFFORD, VA | 0.919 | 0.640 | May 2011 | 0.581 | Dec 2011 | - | | 0.581 | 0.000 | 2.140 | |
| IER | Various | VAR:VAR | 1.736 | 0.197 | Jan 2011 | 2.323 | May 2012 | - | | 2.323 | 0.000 | 4.256 | |
| JSTARS | C/CPFF | MTCSC:STAFFORD, VA | 0.122 | 0.550 | Nov 2010 | - | | - | | - | 0.000 | 0.672 | |
| RREP | Various | NSWC:CRANE, IN | 0.467 | 0.275 | Feb 2011 | 0.240 | Jan 2012 | - | | 0.240 | 0.000 | 0.982 | |

| Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Navy | | DATE: February 2011 |
|---|---|---|
| APPROPRIATION/BUDGET ACTIVITY<br>1319: *Research, Development, Test & Evaluation, Navy*<br>BA 7: *Operational Systems Development* | R-1 ITEM NOMENCLATURE<br>PE 0206625M: *USMC Intelligence/Electronics Warfare Sys* | PROJECT<br>2272: *Intel Command and Control (C2) Sys* |

**Support ($ in Millions)**

| Cost Category Item | Contract Method & Type | Performing Activity & Location | Total Prior Years Cost | FY 2011 Cost | FY 2011 Award Date | FY 2012 Base Cost | FY 2012 Base Award Date | FY 2012 OCO Cost | FY 2012 OCO Award Date | FY 2012 Total Cost | Cost To Complete | Total Cost | Target Value of Contract |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RREP | C/CPFF | MTCSC:STAFFORD, VA | 0.267 | 0.476 | Dec 2010 | 0.498 | Dec 2011 | - | | 0.498 | 0.000 | 1.241 | |
| RREP | Various | MCSC:QUANTICO, VA | 0.070 | 0.070 | Dec 2010 | 0.093 | Feb 2012 | - | | 0.093 | 0.000 | 0.233 | |
| WFVPS | Various | VAR:VAR | 0.226 | 0.490 | May 2011 | 0.434 | Feb 2012 | - | | 0.434 | 0.000 | 1.150 | |
| TROJAN SPIRIT | C/CPFF | MTCSC:STAFFORD, VA | - | - | | 0.431 | Dec 2011 | - | | 0.431 | 0.000 | 0.431 | |
| TCAC | C/CPFF | MTCSC:STAFFORD, VA | - | - | | 0.553 | Dec 2011 | - | | 0.553 | 0.000 | 0.553 | |
| IER | C/CPFF | MTCSC:STAFFORD, VA | - | - | | 0.200 | Mar 2012 | - | | 0.200 | 0.000 | 0.200 | |
| | | **Subtotal** | 37.012 | 9.392 | | 8.308 | | - | | 8.308 | 0.000 | 54.712 | |

**Remarks**

IAS - Various CPFF will award as various direct cites and work requests
TCAC - Various CPFF will award as various direct cites and work requests

**Test and Evaluation ($ in Millions)**

| Cost Category Item | Contract Method & Type | Performing Activity & Location | Total Prior Years Cost | FY 2011 Cost | FY 2011 Award Date | FY 2012 Base Cost | FY 2012 Base Award Date | FY 2012 OCO Cost | FY 2012 OCO Award Date | FY 2012 Total Cost | Cost To Complete | Total Cost | Target Value of Contract |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TRSS | Various | MCOTEA:QUANTICO, VA | 0.552 | 0.120 | Jan 2011 | 0.100 | Jan 2012 | 0.250 | Jan 2012 | 0.350 | 0.000 | 1.022 | |
| TCAC | Various | MCOTEA:QUANTICO, VA | 0.110 | 0.057 | Dec 2010 | 0.025 | Feb 2012 | - | | 0.025 | 0.000 | 0.192 | |
| GCCS-I3 | MIPR | JITC:FT HUACHUCA, AZ | 0.308 | 0.104 | Mar 2011 | - | | - | | - | 0.000 | 0.412 | |
| TPCS | Various | MCOTEA:QUANTICO, VA | 1.637 | - | | 0.300 | Mar 2012 | - | | 0.300 | 0.000 | 1.937 | |
| TPCS | C/CPFF | SPAWAR:CHARLESTON, SC | - | - | | 1.672 | Mar 2012 | - | | 1.672 | 0.000 | 1.672 | |
| | | **Subtotal** | 2.607 | 0.281 | | 2.097 | | 0.250 | | 2.347 | 0.000 | 5.235 | |

| Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Navy | | DATE: February 2011 |
|---|---|---|
| APPROPRIATION/BUDGET ACTIVITY<br>1319: *Research, Development, Test & Evaluation, Navy*<br>BA 7: *Operational Systems Development* | R-1 ITEM NOMENCLATURE<br>PE 0206625M: *USMC Intelligence/Electronics Warfare Sys* | PROJECT<br>2272: *Intel Command and Control (C2) Sys* |

**Test and Evaluation ($ in Millions)**

| Cost Category Item | Contract Method & Type | Performing Activity & Location | Total Prior Years Cost | FY 2011 Cost | FY 2011 Award Date | FY 2012 Base Cost | FY 2012 Base Award Date | FY 2012 OCO Cost | FY 2012 OCO Award Date | FY 2012 Total Cost | Cost To Complete | Total Cost | Target Value of Contract |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

**Remarks**

(TPCS)- MCOTEA to award in various methods, ie. CPFF, FFP
(TPCS)- Various CPFF will award as various direct cites and work requests.

**Management Services ($ in Millions)**

| Cost Category Item | Contract Method & Type | Performing Activity & Location | Total Prior Years Cost | FY 2011 Cost | FY 2011 Award Date | FY 2012 Base Cost | FY 2012 Base Award Date | FY 2012 OCO Cost | FY 2012 OCO Award Date | FY 2012 Total Cost | Cost To Complete | Total Cost | Target Value of Contract |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TPCS | WR | SPAWAR:CHARLESTON, SC | 0.150 | 1.500 | Apr 2011 | 0.721 | Feb 2012 | - | | 0.721 | 0.000 | 2.371 | |
| | | **Subtotal** | 0.150 | 1.500 | | 0.721 | | - | | 0.721 | 0.000 | 2.371 | |

| | Total Prior Years Cost | FY 2011 Cost | FY 2011 | FY 2012 Base Cost | FY 2012 Base | FY 2012 OCO Cost | FY 2012 OCO | FY 2012 Total Cost | Cost To Complete | Total Cost | Target Value of Contract |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Project Cost Totals** | 81.357 | 20.316 | | 14.101 | | 4.050 | | 18.151 | 0.000 | 119.824 | |

**Remarks**

| Exhibit R-4, RDT&E Schedule Profile: PB 2012 Navy | | DATE: February 2011 |
|---|---|---|
| **APPROPRIATION/BUDGET ACTIVITY**<br>1319: *Research, Development, Test & Evaluation, Navy*<br>BA 7: *Operational Systems Development* | **R-1 ITEM NOMENCLATURE**<br>PE 0206625M: *USMC Intelligence/Electronics Warfare Sys* | **PROJECT**<br>2272: *Intel Command and Control (C2) Sys* |

| Exhibit R-4, RDT&E Schedule Profile: PB 2012 Navy | | DATE: February 2011 |
|---|---|---|
| **APPROPRIATION/BUDGET ACTIVITY**<br>1319: *Research, Development, Test & Evaluation, Navy*<br>BA 7: *Operational Systems Development* | **R-1 ITEM NOMENCLATURE**<br>PE 0206625M: *USMC Intelligence/Electronics Warfare Sys* | **PROJECT**<br>2272: *Intel Command and Control (C2) Sys* |

| Exhibit R-4, RDT&E Schedule Profile: PB 2012 Navy | | DATE: February 2011 |
|---|---|---|
| **APPROPRIATION/BUDGET ACTIVITY**<br>1319: *Research, Development, Test & Evaluation, Navy*<br>BA 7: *Operational Systems Development* | **R-1 ITEM NOMENCLATURE**<br>PE 0206625M: *USMC Intelligence/Electronics Warfare Sys* | **PROJECT**<br>2272: *Intel Command and Control (C2) Sys* |

| Exhibit R-4A, RDT&E Schedule Details: PB 2012 Navy | | DATE: February 2011 |
|---|---|---|
| **APPROPRIATION/BUDGET ACTIVITY**<br>1319: *Research, Development, Test & Evaluation, Navy*<br>BA 7: *Operational Systems Development* | **R-1 ITEM NOMENCLATURE**<br>PE 0206625M: *USMC Intelligence/Electronics Warfare Sys* | **PROJECT**<br>2272: *Intel Command and Control (C2) Sys* |

## Schedule Details

| | Start | | End | |
|---|---|---|---|---|
| **Events by Sub Project** | **Quarter** | **Year** | **Quarter** | **Year** |
| ***Proj 2272*** | | | | |
| TPCS MODS SUITES UPGRADE | 1 | 2010 | 2 | 2010 |
| TPCS MODS MS -C | 3 | 2011 | 3 | 2011 |
| TPCS MODS PROD | 3 | 2011 | 2 | 2013 |
| TPCS MODS IOC | 1 | 2012 | 1 | 2012 |
| TPCS BLOCK I MS-B | 2 | 2012 | 2 | 2012 |
| TPCS BLOCK I IOT&E | 3 | 2014 | 3 | 2014 |
| TPCS BLOCK I PRODUCTION | 1 | 2015 | 4 | 2016 |
| TCAC 4.2 PDSS | 2 | 2010 | 2 | 2011 |
| TCAC 4.2 QTRLY S/W UPDATES/TECHNOLOGY | 2 | 2010 | 1 | 2011 |
| TCAC 4.3 RESEARCH, ANLYSIS AND ENG | 2 | 2010 | 4 | 2010 |
| TCAC 4.3 FIELDING DECISION | 3 | 2011 | 3 | 2011 |
| TCAC 4.3 FIELDING | 3 | 2011 | 4 | 2011 |
| TCAC 4.3 FOC | 4 | 2011 | 4 | 2011 |
| TCAC 4.3 PDSS | 4 | 2011 | 1 | 2013 |
| TCAC 4.4 RESEARCH, ANLYSIS AND ENG | 2 | 2011 | 4 | 2011 |
| TCAC 4.4 PRO/INTEGRATION | 1 | 2012 | 4 | 2012 |
| TCAC 4.4FIELDING DECISION | 4 | 2012 | 4 | 2012 |
| TCAC 4.4 FOC | 1 | 2012 | 1 | 2012 |
| TCAC 4.4 PDSS | 1 | 2013 | 4 | 2014 |
| TCAC 4.4 QTRLY S/W UPDATES/TECHNOLOGY | 4 | 2011 | 4 | 2012 |
| IAS CONTRACT AND TECH | 1 | 2011 | 3 | 2011 |

| Exhibit R-4A, RDT&E Schedule Details: PB 2012 Navy | | DATE: February 2011 |
|---|---|---|
| **APPROPRIATION/BUDGET ACTIVITY**<br>1319: *Research, Development, Test & Evaluation, Navy*<br>BA 7: *Operational Systems Development* | **R-1 ITEM NOMENCLATURE**<br>PE 0206625M: *USMC Intelligence/Electronics Warfare Sys* | **PROJECT**<br>2272: *Intel Command and Control (C2) Sys* |

| | Start | | End | |
|---|---|---|---|---|
| **Events by Sub Project** | **Quarter** | **Year** | **Quarter** | **Year** |
| IAS PDR Tier 1 | 1 | 2011 | 1 | 2011 |
| IAS CDR | 3 | 2011 | 3 | 2011 |
| IAS TEST AND EVALUATION Tier 1 | 1 | 2011 | 1 | 2012 |
| IAS IV&V | 1 | 2012 | 1 | 2012 |
| IAS TRR | 3 | 2011 | 3 | 2011 |
| IAS MARINE LINK SAT | 3 | 2010 | 4 | 2011 |
| IAS C&A TIER I | 3 | 2010 | 1 | 2012 |
| IAS S/W INTE AND TEST | 3 | 2010 | 1 | 2012 |
| IAS MARINE LINK SAT C&A | 3 | 2010 | 1 | 2012 |
| GCCS DOCUMENTATION | 3 | 2010 | 1 | 2012 |
| GCCS SEP UPDATE | 3 | 2010 | 3 | 2010 |
| GCCS TEMP REVIEW | 3 | 2010 | 4 | 2010 |
| GCCS CDR | 3 | 2011 | 3 | 2011 |
| GCCS TRR | 3 | 2011 | 3 | 2011 |
| GCCS C&A | 3 | 2010 | 1 | 2012 |
| GCCS SEP | 1 | 2012 | 1 | 2012 |