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| Exhibit R-2, RDT&E Budget Item Justification: PB 2014 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 |         |                      |              |                                                                                 |               |             |               |         | DATE: April 2013 |                  |            |
| 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)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | All Prior Years | FY 2012 | FY 2013 <sup>#</sup> | FY 2014 Base | FY 2014 OCO <sup>##</sup>                                                       | FY 2014 Total | FY 2015     | FY 2016       | FY 2017 | FY 2018          | Cost To Complete | Total Cost |
| Total Program Element                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 85.946          | 19.627  | 22.966               | 34.394       | -                                                                               | 34.394        | 30.954      | 27.881        | 24.049  | 26.065           | Continuing       | Continuing |
| 2272: Intel Command and Control (C2) Sys                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 85.946          | 19.627  | 22.966               | 34.394       | -                                                                               | 34.394        | 30.954      | 27.881        | 24.049  | 26.065           | Continuing       | Continuing |
| # FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                 |         |                      |              |                                                                                 |               |             |               |         |                  |                  |            |
| ## The FY 2014 OCO Request will be submitted at a later date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                 |         |                      |              |                                                                                 |               |             |               |         |                  |                  |            |
| Note                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                 |         |                      |              |                                                                                 |               |             |               |         |                  |                  |            |
| * Funds for Project C2272 were realigned to PE 0206625M in FY 2010. Prior to FY10 funds resided 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 2012      | FY 2013                                                                         | FY 2014 Base  | FY 2014 OCO | FY 2014 Total |         |                  |                  |            |
| Previous President's Budget                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                 |         |                      | 18.151       | 22.966                                                                          | 37.623        | -           | 37.623        |         |                  |                  |            |
| Current President's Budget                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 |         |                      | 19.627       | 22.966                                                                          | 34.394        | -           | 34.394        |         |                  |                  |            |
| Total Adjustments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                 |         |                      | 1.476        | 0.000                                                                           | -3.229        | -           | -3.229        |         |                  |                  |            |
| • Congressional General Reductions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                 |         |                      | -            | -                                                                               |               |             |               |         |                  |                  |            |
| • Congressional Directed Reductions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 |         |                      | -            | -                                                                               |               |             |               |         |                  |                  |            |
| • Congressional Rescissions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                 |         |                      | -            | -                                                                               |               |             |               |         |                  |                  |            |
| • Congressional Adds                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                 |         |                      | -            | -                                                                               |               |             |               |         |                  |                  |            |
| • Congressional Directed Transfers                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                 |         |                      | -            | -                                                                               |               |             |               |         |                  |                  |            |
| • Reprogrammings                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                 |         |                      | 1.476        | 0.000                                                                           |               |             |               |         |                  |                  |            |
| • SBIR/STTR Transfer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                 |         |                      | -            | -                                                                               |               |             |               |         |                  |                  |            |
| • Program Adjustments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                 |         |                      | 0.000        | 0.000                                                                           | 2.333         | -           | 2.333         |         |                  |                  |            |
| • Rate/Misc Adjustments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |         |                      | 0.000        | 0.000                                                                           | -5.562        | -           | -5.562        |         |                  |                  |            |
| Change Summary Explanation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 |         |                      |              |                                                                                 |               |             |               |         |                  |                  |            |
| FY14 decrease of \$3.2M from PB13 represents schedule shifts in C4 developments.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                 |         |                      |              |                                                                                 |               |             |               |         |                  |                  |            |

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| Exhibit R-2, RDT&E Budget Item Justification: PB 2014 Navy                                                                                                                                                                                                                                                                                                                     |  | DATE: April 2013                                                                |
| 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 |
| <p>The increase of \$11.4M from FY13 to FY14 is attributable to increased product development and testing for next-generation efforts and enhancements for four programs: Communication Emitter Sensing and Attacking System (CESAS), Joint Surveillance Target Attack Radar System (JSTARS), Tactical Remote Sensor System (TRSS) and Intelligence Analysis System (IAS).</p> |  |                                                                                 |

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| Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy                                                                        |                 |         |                      |              |                                                                                     |               |         |         |                                                     | DATE: April 2013 |                  |            |
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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/<br>Electronics Warfare Sys |               |         |         | PROJECT<br>2272: Intel Command and Control (C2) Sys |                  |                  |            |
| COST (\$ in Millions)                                                                                                          | All Prior Years | FY 2012 | FY 2013 <sup>#</sup> | FY 2014 Base | FY 2014 OCO <sup>##</sup>                                                           | FY 2014 Total | FY 2015 | FY 2016 | FY 2017                                             | FY 2018          | Cost To Complete | Total Cost |
| 2272: Intel Command and Control (C2) Sys                                                                                       | 85.946          | 19.627  | 22.966               | 34.394       | -                                                                                   | 34.394        | 30.954  | 27.881  | 24.049                                              | 26.065           | Continuing       | Continuing |
| Quantity of RDT&E Articles                                                                                                     | 0               | 0       | 0                    | 0            |                                                                                     | 0             | 0       | 0       | 0                                                   | 0                |                  |            |

<sup>#</sup> FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

<sup>##</sup> The FY 2014 OCO Request will be submitted at a later date

## A. Mission Description and Budget Item Justification

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.

Sensitive Compartmented Information Communications (SCI COMMS) - is a Super-High Frequency (SHF) multi-band satellite communications terminal, available in either High Mobility Multipurpose Wheeled Vehicle (HMMWV)-mounted or transit case configuration, that provides dedicated tactical communications capability at the Top Secret/Sensitive Compartmented Information (TS/SCI) and Secret Collateral levels to USMC intelligence units. TROJAN SPIRIT terminals provide connectivity into Joint Worldwide Intelligence Communications System (JWICS), National Security Agency Network (NSANET) and Secret Internet Protocol Router Network (SIPRNET) via the TROJAN Network Control Center. FY13 funding supports research, development and testing of incremental product improvements.

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 Marine Air-Ground Task Force (MAGTF) units capable of directing and managing the technical and operational functions of other RADBN SIGINT/Electronic Warfare (EW) 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). Funding ramp up in FY14 to support increased capability of USMC Tactical SIGINT Collection Systems required to pass data to TCAC.

Joint Surveillance Target Attack Radar (JSTARS) connectivity program will research a future Ground Moving Target Indicator (GMTI) receive and exploitation system to be integrated into the Distributed Common Ground System-Marine Corps (DCGS-MC) and to replace the JSTARS legacy Common Ground Stations (CGS) and Joint Services Workstations (JSWS). FY14 engineering technical and management support will focus on the future GMTI exploitation system and integration into DCGS-MC.

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| <b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2014 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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                                                                               | <b>DATE:</b> April 2013                                           |
| <b>APPROPRIATION/BUDGET ACTIVITY</b><br>1319: <i>Research, Development, Test &amp; Evaluation, Navy</i><br>BA 7: <i>Operational Systems Development</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                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NOMENCLATURE</b><br>PE 0206625M: <i>USMC Intelligence/</i><br><i>Electronics Warfare Sys</i> | <b>PROJECT</b><br>2272: <i>Intel Command and Control (C2) Sys</i> |
| <p>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 Sensors (UGS); Relay Systems; and monitoring systems. The sensor systems include seismic/acoustic sensors, electro-magnetic sensors, and infrared (passive) sensors. The relay systems include SATCOM retransmission systems. The monitoring system includes the Sensor Monitoring imaging sensors group and hand-held monitors (HHM). 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. The TRSS 6.0 development improves the TRSS sensor management software in order to integrate TRSS sensor systems with theater-provided-equipment sensor systems in OEF and improve system interoperability.</p> <p>Team Portable Collection System - Multi-Platform Capable (TPCS-MPC) - is a semi-automated, man/team portable system providing intercept, collection, Direction-Finding (DF), 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. Overseas Contingency Operations (OCO) funds are needed to complete the development, integration, modification, and testing efforts. These new Radio Battalion (RadBn) Modifications (Mods) Field User Evaluation (FUE) systems will be transitioned into the TPCS configuration to include MoonShine, 4453 Receivers, ICS-401, Internal Directional Finding (DF) Processor, precision location tools, and Snap-in Sleeve Design. OCO funds are necessary to complete the development of these technology insertions to execute subsequent FY13 procurement and deployment to meet emerging Operation Enduring Freedom (OEF) requirements.</p> <p>Wide Field of View Persistent Surveillance (WVPS) (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 imagery sensor (currently Electro-Optical (EO)), on-board processors, and an air-to-ground communication link. Ground distribution network consists of the ground receive station, servers, storage and viewer client stations. WVPS is a Marine Corps companion UUNS (10-335UA) in response to a CENTCOM JUONS (CC-0424) call for a Wide Area Staring Sensor on-board an organic USMC small UAV supporting operations in Afghanistan. The name of the program is Wide Focal Plane Array Camera (WFPAC). WFPAC represents a significant additive/new capability for the CIED fight.</p> <p>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 areas of operation and externally with higher adjacent commands. MSIDS capability resides with the MAGTF G/S-2 sections and Ground Reconnaissance Battalions, Light Armored 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 Marine Expeditionary Force (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. The MSIDS Video Exploitation Workstation (VEW) requirement within Infantry Battalions and Wing units, down to the squadron level, grew from 18 to 140 in FY12. 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</p> |                                                                                                          |                                                                   |

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| <b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2014 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                          | <b>DATE:</b> April 2013                                           |
| <b>APPROPRIATION/BUDGET ACTIVITY</b><br>1319: <i>Research, Development, Test &amp; Evaluation, Navy</i><br>BA 7: <i>Operational Systems Development</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>R-1 ITEM NOMENCLATURE</b><br>PE 0206625M: <i>USMC Intelligence/</i><br><i>Electronics Warfare Sys</i> | <b>PROJECT</b><br>2272: <i>Intel Command and Control (C2) Sys</i> |
| <p>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.</p> <p>Intelligence Equipment Readiness (IER) 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 Overseas Contingency Operations (OCO). The program provides for rapid technology insertion, reaction training and logistics, and 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 Commercial Off-the-Shelf (COTS), Government Off-the-Shelf (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, Surveillance, and Reconnaissance Enterprise (MCISR-E).</p> <p>Intelligence Analysis System, 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 is a scalable system that supports all mission, and provides a tactical intelligence capability tailored to meet specific mission requirements from conventional to irregular warfare. R&amp;D funding provides for the integration, system testing, and evaluation of advanced analytic technologies into the Intelligence Analysis System (IAS) Family of Systems (FoS) to directly support the Marines in all deployed environments. Advanced analytics provides improved linking of structured and unstructured data sources, data and information discovery, and improved interoperability of data and exchange amongst the existing toolset applications. Funding allows the IAS FoS 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 all deployed environments. FY14 increase will also support development of Sensitive Compartmented Information (SCI) variant. Effective in FY12, the GCCS-I3 funding line is merged into the Intelligence Analysis System (IAS) funding line.</p> <p>Radio Reconnaissance Equipment Program (RREP) provides the Radio Battalions (RadBns), Radio Reconnaissance Platoons (RRP), and the Marine Corps Special Operations Command (MARSOC) Direct Support Teams (DSTs) 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. RREP will insert a new Electronic Attack (EA) system into the RREP Family of Systems (FoS). The RRP and DST 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.</p> <p>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</p> |                                                                                                          |                                                                   |

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| Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                     | DATE: April 2013                                    |
| 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/<br>Electronics Warfare Sys | PROJECT<br>2272: Intel Command and Control (C2) Sys |
| 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) family conforms 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 Universal Serial Bus (USB) Embedded National Tactical Receiver (ENTR) system, the newest component of the IBR family, 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 Ultra High Frequency (UHF) Satellite Communications (SATCOM) broadcast channels delivering near real-time intelligence information within Combatant Commanders theater of operation allowing intelligence analysis to respond to accelerated operations cycles.                                                                                                                                        |                                                                                     |                                                     |
| Communication Emitter Sensing and Attacking System (CESAS) has the mission to detect, disrupt, degrade or deny adversarial communication emitters. CESAS covers the High Frequency (HF), Very High Frequency (VHF) and Ultra 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. Funding is required in FY 2013 and beyond for development of the next generation Marine Corps ground electronic attack system (CESAS II). 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. |                                                                                     |                                                     |
| Tactical Exploitation of National Capabilities (TENCAP) exploits current national reconnaissance systems and programs by examining both technical and operational capabilities, implementing training, and sponsoring concept demonstrations to directly support Marine Corps operating forces. The goal is to pursue technologies which exploit data from national systems to enhance intelligence support to the Marine Air-Ground Task Force (MAGTF) and/or the supported Joint Task Force commander.                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                     |                                                     |
| B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                     |                                                     |
| Title: *Technical Control and Analysis Center PIP (TCAC-PIP): Product Development                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                     |                                                     |
| Articles:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1.678<br>0                                                                          | 3.406<br>0                                          |
| FY 2012 Accomplishments:<br>Continued software upgrade for the Remote Analysis Workstation (RAWS) Transportable Work Station (TWS) and planned integration of the Cyber Analysis Tools into the TCAC Family of Systems (FoS). Planned integration of Windows 7 into the TWS laptop. Integrated GALE 5.2 software into the TCAC baseline.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                     |                                                     |
| FY 2013 Plans:<br>Planned integration of Cyber Analysis Tools in the TCAC Family of Systems (FoS) and data exchange enhancements.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                     |                                                     |
| FY 2014 Plans:<br>Integration of TCAC 5.0 analysis tools and Multiple Level Security/Cross Domain Solution into the TCAC Family of Systems (FoS).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                     |                                                     |
| Title: *SCI COMMS: Support - Engineering and Technical Support                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0.431<br>0                                                                          | 1.195<br>0                                          |
| Articles:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                     | 1.056<br>0                                          |

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| Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy                                                                                                                                                                                                                                                 |                                                                                     | DATE: April 2013                                    |            |            |
| 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/<br>Electronics Warfare Sys | PROJECT<br>2272: Intel Command and Control (C2) Sys |            |            |
| B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)                                                                                                                                                                                                                        |                                                                                     | FY 2012                                             | FY 2013    | FY 2014    |
| FY 2012 Accomplishments:<br>Funding utilized for engineering and technical support.                                                                                                                                                                                                                     |                                                                                     |                                                     |            |            |
| FY 2013 Plans:<br>Funding will support an Analysis of Alternatives(AoA) for the Team Level variant. RDT&E is required for Bandwidth in order to test for interoperability and accreditation for Top Secret/Sensitive Compartmented Information(TS/SCI) connectivity with the TROJAN Network Center.     |                                                                                     |                                                     |            |            |
| FY 2014 Plans:<br>Funding will support the test and evaluation of all SCI COMMS platforms (Mobile, Team, Platform) to include Bandwidth in order to test for interoperability and accreditation for Top Secret/Sensitive Compartmented Information(TS/SCI) connectivity with the TROJAN Network Center. |                                                                                     |                                                     |            |            |
| Title: *Joint Surveillance Target Attack Radar System (JSTARS): Test and Evaluation<br><br>Articles:                                                                                                                                                                                                    |                                                                                     | 0.000                                               | 0.431<br>0 | 1.711<br>0 |
| FY 2013 Plans:<br>Engineering technical and management support and MTI integration.                                                                                                                                                                                                                     |                                                                                     |                                                     |            |            |
| FY 2014 Plans:<br>Testing support for the next generation GMTI exploitation system.                                                                                                                                                                                                                     |                                                                                     |                                                     |            |            |
| Title: *Technical Control and Analysis Center PIP (TCAC-PIP): Support<br><br>Articles:                                                                                                                                                                                                                  |                                                                                     | 1.237<br>0                                          | 1.100<br>0 | 0.611<br>0 |
| FY 2012 Accomplishments:<br>Continued program management support for the Integration of the EA-6B ICAP III Block 5 capability into the TCAC FoS.                                                                                                                                                        |                                                                                     |                                                     |            |            |
| FY 2013 Plans:<br>Continue program management support for the Integration of the Cyber Analysis Tools into the TCAC FoS.                                                                                                                                                                                |                                                                                     |                                                     |            |            |
| FY 2014 Plans:<br>Continue program management support for the Integration of the Cyber Analysis Tools into the TCAC FoS.                                                                                                                                                                                |                                                                                     |                                                     |            |            |
| Title: *Joint Surveillance Target Attack Radar System (JSTARS): Product Development<br><br>Articles:                                                                                                                                                                                                    |                                                                                     | 0.000                                               | 0.000      | 1.942<br>0 |
| FY 2014 Plans:<br>Develop and integrate next generation Ground Moving Target Indicator(GMTI)exploitation system.                                                                                                                                                                                        |                                                                                     |                                                     |            |            |
| Title: *Team Portable Collection System (TPCS): Support                                                                                                                                                                                                                                                 |                                                                                     | 0.837                                               | 0.717      | 1.152      |

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| Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                     | DATE: April 2013                                    |            |            |
| 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/<br>Electronics Warfare Sys | PROJECT<br>2272: Intel Command and Control (C2) Sys |            |            |
| B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                     | FY 2012                                             | FY 2013    | FY 2014    |
| Articles:<br><br>FY 2012 Accomplishments:<br>Planned program support and management with Space and Naval Warfare Systems Command Systems Center-Atlantic.<br><br>FY 2013 Plans:<br>Plan program support and management with Space and Naval Warfare Systems Command Systems Center-Atlantic.<br><br>FY 2014 Plans:<br>Plan program support and management with Space and Naval Warfare Systems Command Systems Center-Atlantic.                                                                                                                                                                                                                                                                                                                                                                            |                                                                                     | 0                                                   | 0          | 0          |
| Title: *Tactical Remote Sensor System (TRSS): Test and Evaluation - IOT&E, Increment II<br><br>Articles:<br><br>FY 2012 Accomplishments:<br>Planned IOT&E for the TRSS 6.0 baseline.<br><br>FY 2013 Plans:<br>Continue planned test and evaluation events and documentation for the TRSS 6.0 baseline.<br><br>FY 2014 Plans:<br>Funding provides for the test and evaluation events/IOT&E, including the necessary documentation for the TRSS Common Sensor Radio (CSR) baseline.                                                                                                                                                                                                                                                                                                                          |                                                                                     | 0.350<br>0                                          | 0.150<br>0 | 0.417<br>0 |
| Title: *Tactical Remote Sensor System (TRSS): Product Development - CSR Integration<br><br>Articles:<br><br>FY 2012 Accomplishments:<br>Continued the CSR integration. \$343K of this integration effort will be for the required development of the critical upgrades to TRSS systems for Overseas Contingency Operations. The development improves the TRSS sensor systems integration with theater-provided-equipment/sensor systems currently in OEF.<br><br>FY 2014 Plans:<br>Perform TRSS Common Sensor Radio (CSR) modernization initiative to standardize communication. This modernization effort is required to develop the critical upgrades to TRSS systems to improve the sensor systems' interoperability with other military equipment/sensor systems currently in use and being developed. |                                                                                     | 0.400<br>0                                          | 0.000      | 1.762<br>0 |
| Title: *Tactical Remote Sensor System (TRSS): Product Development - RSMS VER 4.2.2.<br><br>Articles:<br><br>FY 2012 Accomplishments:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                     | 0.295<br>0                                          | 0.310<br>0 | 0.000      |



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| Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                     | DATE: April 2013                                    |            |            |
| 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/<br>Electronics Warfare Sys | PROJECT<br>2272: Intel Command and Control (C2) Sys |            |            |
| B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                     | FY 2012                                             | FY 2013    | FY 2014    |
| Continued TRSS evolutionary software upgrade to Sentinel VER 1.6.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                     |                                                     |            |            |
| FY 2013 Plans:<br>Continue TRSS evolutionary software upgrade to Sentinel VER 2.0.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                     |                                                     |            |            |
| Title: *Wide Field of View Persistent Surveillance (WFVPS): Product Development<br><br>FY 2012 Accomplishments:<br>Product development for Ground Receive Station.<br><br>FY 2013 Plans:<br>Continue product development.<br><br>FY 2014 Plans:<br>Continue product development.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                     | Articles:<br>0.256<br>0                             | 0.025<br>0 | 0.027<br>0 |
| Title: *Tactical Remote Sensor System (TRSS): Support - Engineering and Technical<br><br>FY 2012 Accomplishments:<br>Continued the engineering and technical management support, specifically required for developing critical upgrades to TRSS systems for Overseas Contingency Operations. This software development improves the TRSS sensor management software in order to integrate TRSS sensor systems with theater-provided-equipment sensor systems in OEF.<br><br>FY 2013 Plans:<br>Continue the on-going engineering and technical management support for testing and integrating the detector upgrades.<br><br>FY 2014 Plans:<br>Perform engineering and technical management support required for developing critical upgrades to TRSS systems. In FY14, the TRSS Common Sensor Radio (CSR) modernization initiative will standardize communication and interoperability with other military equipment/sensor systems currently in use and being developed. |                                                                                     | Articles:<br>0.307<br>0                             | 0.600<br>0 | 0.996<br>0 |
| Title: *Team Portable Collection System (TPCS): Test and Evaluation<br><br>FY 2012 Accomplishments:<br>Post Production Testing for the Block O Modifications and ANS/PGL performance and environmental testing.<br><br>FY 2013 Plans:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                     | Articles:<br>1.089<br>0                             | 0.665<br>0 | 0.803<br>0 |

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| Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                     | DATE: April 2013                                    |            |            |
| 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/<br>Electronics Warfare Sys | PROJECT<br>2272: Intel Command and Control (C2) Sys |            |            |
| B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                     | FY 2012                                             | FY 2013    | FY 2014    |
| Post Production Testing for the Block O Modifications and DNI performance and environmental testing.<br><b>FY 2014 Plans:</b><br>Test and evaluation efforts for technology refresh of the Master Station and technology insertion to support additional signals of interest.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                     |                                                     |            |            |
| <b>Title:</b> *Team Portable Collection System (TPCS): Product Development<br><br><b>Articles:</b><br><br><b>FY 2012 Accomplishments:</b><br>System development of technology insertion upgrades.<br><br>FY12 OCO (\$1.5M) was obligated to meet new requirements to integrate Special Intelligence technologies. Overseas Contingency Operations (OCO) funds were executed to complete the development, integration, modification, and testing efforts with Space and Naval Warfare Systems Command Atlantic (SSCA). Two Radio Battalion (RadBn) Modifications (Mods) Field User Evaluation (FUE) systems were transitioned into the TPCS configuration: ICS-201, and precision location tools. OCO funds were necessary to complete the development of these technology insertions to execute subsequent FY13 procurement and deployment to meet emerging Operation Enduring Freedom (OEF) requirements.<br><br><b>FY 2013 Plans:</b><br>Continue to fund the integration of the Special Intelligence technologies, Digital Network Intelligence (DNI). Funding will be utilized for upgrades to the workstations and increase capability for graphic card in order to keep pace with the software load in addition to increasing speed and solid state hard drives.<br><br><b>FY 2014 Plans:</b><br>Develop technology refresh of the Master Station and technology insertion to support additional signals of interest. |                                                                                     | 3.267<br>0                                          | 2.915<br>0 | 1.853<br>0 |
| <b>Title:</b> *Wide Field of View Persistent Surveillance (WVPS): Support - Engineering and Technical<br><br><b>Articles:</b><br><br><b>FY 2012 Accomplishments:</b><br>Engineering and technical support for Persistent Intelligence Surveillance and Reconnaissance (P-ISR).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                     | 0.178<br>0                                          | 0.000      | 0.000      |
| <b>Title:</b> *MAGTF Secondary Imagery Dissemination System (MSIDS): Support - Engineering and Technical<br><br><b>Articles:</b><br><br><b>FY 2012 Accomplishments:</b><br>Performed technical and engineering support for product development of hardware and software refresh.<br><br><b>FY 2013 Plans:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                     | 0.288<br>0                                          | 0.379<br>0 | 0.388<br>0 |

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| Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                     | DATE: April 2013                                    |            |            |
| 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/<br>Electronics Warfare Sys | PROJECT<br>2272: Intel Command and Control (C2) Sys |            |            |
| B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                     | FY 2012                                             | FY 2013    | FY 2014    |
| Continue on-going technical and engineering support for product development of hardware and software refresh.<br><b>FY 2014 Plans:</b><br>Continue on-going technical and engineering support for product development of hardware and software refresh.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                     |                                                     |            |            |
| <b>Title:</b> Intelligence Equipment Readiness (IER): Product Development<br><br><b>Articles:</b><br><br><b>FY 2012 Accomplishments:</b><br>GDAP Enhancements.<br><br><b>FY 2014 Plans:</b><br>Product development for Rapid Technology Insertion.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                     | 0.398<br>0                                          | 0.000      | 0.560<br>0 |
| <b>Title:</b> *Intelligence Equipment Readiness (IER): Support - Program and Technical<br><br><b>Articles:</b><br><br><b>FY 2012 Accomplishments:</b><br>Continued program management and technical support for Rapid Technology Insertion. Funding continued to support rapid prototyping and integration of emerging technologies involving national systems data.<br><br>\$1.016K to TENCAP Program Support, \$586K Program Support for Space and Missile Defense Command, \$100K for Network Nodes at Empire Challenge, \$100K JITC for DDTE Tranportable Nodes, and \$820K for Navy Systems Management Activity (NSMA).<br><br><b>FY 2013 Plans:</b><br>\$1.1M for Navy Systems Management Activity (NSMA) for GDAP Enhancement.<br>\$1.1M for NRL for GDAP Enhancement. |                                                                                     | 2.623<br>0                                          | 2.243<br>0 | 0.000      |
| <b>Title:</b> *Intelligence Analysis System, Mod Kit (IAS): Product Development<br><br><b>Articles:</b><br><br><b>Description:</b> Effective in FY12, the Global Command Control Station (GCCS)-I3 funding line is merged into the Intelligence Analysis System (IAS) funding line.<br><br><b>FY 2012 Accomplishments:</b><br>Support software development and integration of all IAS FoS related COTS and GOTS software.                                                                                                                                                                                                                                                                                                                                                     |                                                                                     | 1.504<br>0                                          | 1.079<br>0 | 1.571<br>0 |

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| Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  | DATE: April 2013                                                                    |                                                     |            |  |
| 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/<br>Electronics Warfare Sys | PROJECT<br>2272: Intel Command and Control (C2) Sys |            |  |
| B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | FY 2012                                                                             | FY 2013                                             | FY 2014    |  |
| FY12 OCO funding was 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.<br><br><b>FY 2013 Plans:</b><br>Plan to support software development and integration of all IAS FoS related COTS and GOTS software.<br><br><b>FY 2014 Plans:</b><br>R&D funding provides for the integration, system testing, and evaluation of advanced analytic technologies into the Intelligence Analysis System (IAS) Family of Systems (FoS). Advanced analytics provides improved linking of structured and unstructured data sources, data and information discovery, and improved interoperability of data and exchange amongst the existing toolset applications. |  |                                                                                     |                                                     |            |  |
| <b>Title:</b> Radio Recon Equipment Program (RREP): Test and Evaluation<br><br><b>FY 2014 Plans:</b><br>Conduct testing and evaluation of technology insertions.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | 0.000                                                                               | 0.000                                               | 0.034<br>0 |  |
| <b>Title:</b> *Intelligence Analysis System, Mod Kit (IAS): Support<br><br><b>Description:</b> Effective in FY12, the Global Command Control Station (GCCS)-I3 funding line is merged into the Intelligence Analysis System (IAS) funding line.<br><br><b>FY 2012 Accomplishments:</b><br>Program management supported the integration and updates of the GCCS-I3 software into the IAS FoS software baseline. Purchased of R&D prototyping software/hardware efforts for future IAS FoS software baselines.<br><br>\$1,400K OCO to conduct integration, system testing, and evaluation of technology to incorporate into IAS FoS to directly support the Marines in OEF-A.<br><br><b>FY 2013 Plans:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | 2.444<br>0                                                                          | 1.056<br>0                                          | 3.096<br>0 |  |

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| Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  | DATE: April 2013                                                                    |            |                                                     |
| 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/<br>Electronics Warfare Sys |            | PROJECT<br>2272: Intel Command and Control (C2) Sys |
| B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | FY 2012                                                                             | FY 2013    | FY 2014                                             |
| Program management support for the integration and updates of the GCCS-I3 software into the IAS FoS software baseline.<br>Planned purchase of R&D prototyping software/hardware efforts for future IAS FoS software baselines.<br><b>FY 2014 Plans:</b><br>Fund integration of advanced analytics tools into the IAS FoS software baseline.                                                                                                                                                                                                                                                                                                                                                           |  |                                                                                     |            |                                                     |
| <b>Title:</b> *Radio Recon Equipment Program (RREP): Support - Program and Technical<br><br><b>Articles:</b><br><br><b>FY 2012 Accomplishments:</b><br>Provided program support. Developed and integrated man-packable Network Survey/Terminal Guidance capability.<br><br><b>FY 2013 Plans:</b><br>Provide program support. Develop technology refresh of basic collection receivers and workstations.<br><br><b>FY 2014 Plans:</b><br>Provide program support. Develop technology refresh of Advanced collection kit.                                                                                                                                                                               |  | 0.831<br>0                                                                          | 1.127<br>0 | 1.436<br>0                                          |
| <b>Title:</b> *Counterintel and Human Intel Equip (CIHEP): Support - Engineering and Technical<br><br><b>Articles:</b><br><br><b>FY 2012 Accomplishments:</b><br>Conducted the materiel solution analysis, and continued the engineering, integration, and technical support for the refresh of CIHEP hardware and software.<br><br><b>FY 2013 Plans:</b><br>Continue the on-going materiel solution analysis, and the engineering, integration, and technical support for the evolving refresh of the CIHEP hardware and software.<br><br><b>FY 2014 Plans:</b><br>Continue the engineering, integration, and technical support for the evolving refresh of the various CIHEP hardware and software. |  | 0.133<br>0                                                                          | 0.185<br>0 | 0.191<br>0                                          |
| <b>Title:</b> *Communication Emitter Sensing and Attacking System (CESAS): Product Development<br><br><b>Articles:</b><br><br><b>FY 2012 Accomplishments:</b><br>\$500K OCO:<br>Center Dahlgren (NSWC-D) to 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.<br><br><b>FY 2013 Plans:</b>                                                                                                                                                                                                                                            |  | 0.500<br>0                                                                          | 2.080<br>0 | 2.523<br>0                                          |

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| Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                     | DATE: April 2013                                    |            |            |
| 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/<br>Electronics Warfare Sys | PROJECT<br>2272: Intel Command and Control (C2) Sys |            |            |
| B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                     | FY 2012                                             | FY 2013    | FY 2014    |
| This funding is required for development efforts for the next generation Marine Corps ground electronic attack system (CESAS II). Funding will provide for development of prototypes that will require modifications to ensure requirements to delay, disrupt, and deny communications are met. Will be conducting systems engineering tests such as the System Requirements Review (SRR) and System Functional Review (SFR).<br><br>OCO:<br>This funding is required to support software upgrades and Information Assurance updates for systems supporting MEF(FWD) ground mobile EA activities in OEF-A. There is a requirement to conduct annual contingency plan testing as well as continue development of Tactics, Techniques, and Procedures to counter emerging threats. If these funds are not provided, the MAGTF Commanders' ability to degrade enemy C2 networks will be severely limited.<br><br><b>FY 2014 Plans:</b><br>This funding is required for development efforts for the next generation Communication Emitter Sensing and Attacking System 2 (CESAS II). TRR (Test Readiness Review), SVR (System Verification Review) and PRR (Production Readiness Review) will be conducted. |                                                                                     |                                                     |            |            |
| <b>Title:</b> *Communication Emitter Sensing and Attacking System (CESAS): Test and Evaluation<br><br><b>Articles:</b><br><br><b>FY 2013 Plans:</b><br>Funding is required for the next generation Marine Corps ground electronic attack system (CESAS II). Funding will provide for the preparation of test plans and procedures.<br><br><b>FY 2014 Plans:</b><br>Funding is required for the next generation Marine Corps ground electronic attack system (CESAS II). Funding will pay for the test facility, Test Readiness Review (TRR) and the Developmental Test (DT).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                     | 0.000                                               | 0.625<br>0 | 2.750<br>0 |
| <b>Title:</b> *Communication Emitter Sensing and Attacking System (CESAS): Support<br><br><b>Articles:</b><br><br><b>FY 2013 Plans:</b><br>Program support and management.<br><br><b>FY 2014 Plans:</b><br>Program support and management. Increase is associated with development of the next generation CESAS II.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                     | 0.000                                               | 0.502<br>0 | 2.150<br>0 |
| <b>Title:</b> *Intelligence Broadcast Receiver (IBR): Support<br><br><b>Articles:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                     | 0.368<br>0                                          | 0.176<br>0 | 0.000      |

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| Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                     | DATE: April 2013                                    |            |            |
| 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/<br>Electronics Warfare Sys | PROJECT<br>2272: Intel Command and Control (C2) Sys |            |            |
| B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                     | FY 2012                                             | FY 2013    | FY 2014    |
| FY 2012 Accomplishments:<br>Planned contractor program support for Navy Systems Management Activity (NSMA).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                     |                                                     |            |            |
| FY 2013 Plans:<br>Plan contractor program support for Navy Systems Management Activity (NSMA).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                     |                                                     |            |            |
| Title: *Intelligence Broadcast Receiver (IBR): Product Development<br><br>FY 2012 Accomplishments:<br>Common Interactive Broadcast Conformance test certification.<br><br>FY 2014 Plans:<br>Develop Common Interactive Broadcast and Tactical Receive Segment (TRS).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                     | Articles:<br>0.213<br>0                             | 0.000      | 0.987<br>0 |
| Title: *Tactical Exploitation of National Capabilities (TENCAP): Program Support<br><br>FY 2013 Plans:<br>Provide program management and support for the evaluation of emerging national and Intelligence Community technologies applicability to the operating forces. Conduct technical assessments through field user evaluations of innovative technological capabilities for assessment of insertion into the Marine Corps Intelligence, Surveillance, and Reconnaissance Enterprise (MCISRE). Continue to support operational planning and enhanced Operating Force capabilities to utilize technology innovation within the MAGTF ISR architecture. Continue training and education efforts by providing the operating forces with simulation, visualization, and improved mission planning capabilities.<br><br>FY 2014 Plans:<br>Provide program management and support for the evaluation of innovative Intelligence Community and national intelligence systems applicability to the operating forces. Conduct technical assessments and field utility evaluations for the integration of current and emerging intelligence capabilities into the tactical decision making process. Continue to support operational planning and enhance Operating Force capabilities through development of advanced technologies for the Marine Corps Intelligence, Surveillance, and Reconnaissance Enterprise (MCISRE) architecture. Continue training and education efforts by providing the operating forces with supported simulation, visualization, and improved mission planning capabilities. Supports the Congressionally mandated TENCAP office and ongoing activities. |                                                                                     | Articles:<br>0.000                                  | 0.500<br>0 | 0.629<br>0 |
| Title: *Tactical Exploitation of National Capabilities (TENCAP): Technical Assessments<br><br>FY 2013 Plans:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                     | Articles:<br>0.000                                  | 1.500<br>0 | 1.500<br>0 |

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| Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |         |         |                 |                                                                                     |                  |         |         |                                                     | DATE: April 2013 |                     |            |
| 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/<br>Electronics Warfare Sys |                  |         |         | PROJECT<br>2272: Intel Command and Control (C2) Sys |                  |                     |            |
| B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |         |         |                 |                                                                                     |                  |         |         |                                                     | FY 2012          | FY 2013             | FY 2014    |
| Conduct research and development, advanced technology demonstrations, and integration of emerging technologies into the Marine Corps Intelligence, Surveillance, and Reconnaissance Enterprise (MCISR-E). Conduct technical assessments of innovative national data receipt and dissemination capabilities for insertion into the MCISR-E. Coordinate with national agencies and laboratories, such as the Office of Naval Research, for exploration of collaborative S&T/R&D efforts to bring evolutionary intelligence capabilities to the operating forces.                                        |         |         |                 |                                                                                     |                  |         |         |                                                     |                  |                     |            |
| FY 2014 Plans:<br>Conduct research and development, advanced technology demonstrations, and integration of emerging technologies into Marine Corps Intelligence, Surveillance, and Reconnaissance Enterprise (MCISRE). Conduct technical assessments and field utility evaluations of innovative capabilities for evaluating insertion into the MCISRE. Coordinate with Services, national agencies, laboratories, industry, and academia for exploration of collaborative S&T/R&D efforts to integrate intelligence capabilities into existing and future operating force systems and architectures. |         |         |                 |                                                                                     |                  |         |         |                                                     |                  |                     |            |
| Accomplishments/Planned Programs Subtotals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         |         |                 |                                                                                     |                  |         |         |                                                     | 19.627           | 22.966              | 34.394     |
| C. Other Program Funding Summary (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |         |         |                 |                                                                                     |                  |         |         |                                                     |                  |                     |            |
| Line Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | FY 2012 | FY 2013 | FY 2014<br>Base | FY 2014<br>OCO                                                                      | FY 2014<br>Total | FY 2015 | FY 2016 | FY 2017                                             | FY 2018          | Cost To<br>Complete | Total Cost |
| • PMC/474707: RREP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2.166   | 0.000   | 1.489           |                                                                                     | 1.489            | 1.288   | 5.225   | 0.966                                               | 2.261            | Continuing          | Continuing |
| • PMC/700000: IER SPARES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0.000   | 0.122   | 0.138           |                                                                                     | 0.138            | 0.142   | 0.144   | 0.134                                               | 0.136            | Continuing          | Continuing |
| • PMC/474757: JSTARS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.000   | 0.000   | 3.109           |                                                                                     | 3.109            | 3.244   | 0.000   | 0.000                                               | 0.000            | 0.000               | 6.353      |
| • PMC/474713: TRSS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 11.582  | 0.000   | 8.766           |                                                                                     | 8.766            | 8.845   | 7.535   | 3.900                                               | 3.970            | Continuing          | Continuing |
| • PMC/700005: IAS SPARES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0.090   | 0.099   | 0.100           |                                                                                     | 0.100            | 0.101   | 0.104   | 0.157                                               | 0.160            | Continuing          | Continuing |
| • PMC/474751: WFPS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1.344   | 0.000   | 0.000           |                                                                                     | 0.000            | 2.767   | 0.828   | 0.587                                               | 0.605            | Continuing          | Continuing |
| • PMC/474719: MSIDS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 11.675  | 6.380   | 9.320           |                                                                                     | 9.320            | 7.025   | 4.896   | 8.071                                               | 8.216            | Continuing          | Continuing |
| • PMC/700009: SCI COMMS SPARES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0.000   | 0.000   | 0.100           |                                                                                     | 0.100            | 0.700   | 0.000   | 0.000                                               | 0.000            | 0.000               | 0.800      |
| • PMC/474727: TPCS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 13.503  | 16.550  | 12.360          |                                                                                     | 12.360           | 8.378   | 5.132   | 6.948                                               | 5.607            | Continuing          | Continuing |
| • PMC/474763: CESAS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0.000   | 0.000   | 2.272           |                                                                                     | 2.272            | 10.173  | 2.637   | 2.730                                               | 0.000            | Continuing          | Continuing |
| • PMC/474761: IAS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 6.505   | 0.000   | 8.632           |                                                                                     | 8.632            | 2.157   | 6.620   | 6.473                                               | 9.968            | Continuing          | Continuing |
| • PMC/474737: SCI COMMS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 16.545  | 0.000   | 12.875          |                                                                                     | 12.875           | 8.414   | 0.542   | 0.686                                               | 0.235            | Continuing          | Continuing |
| • PMC/474755: TCAC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 11.241  | 2.516   | 0.202           |                                                                                     | 0.202            | 13.000  | 11.228  | 5.214                                               | 9.216            | Continuing          | Continuing |
| • PMC/474705: IER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 10.769  | 0.000   | 0.171           |                                                                                     | 0.171            | 0.176   | 0.651   | 0.204                                               | 0.940            | Continuing          | Continuing |
| • PMC/474717: IBR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 6.994   | 1.562   | 1.134           |                                                                                     | 1.134            | 1.008   | 0.412   | 0.420                                               | 0.428            | Continuing          | Continuing |
| • PMC/700003: TRSS SPARES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0.000   | 0.119   | 0.144           |                                                                                     | 0.144            | 0.127   | 0.123   | 0.064                                               | 0.065            | Continuing          | Continuing |



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| <b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2014 Navy                                                                                      |                                                                                                          |                                                                   | <b>DATE:</b> April 2013 |
| <b>APPROPRIATION/BUDGET ACTIVITY</b><br>1319: <i>Research, Development, Test &amp; Evaluation, Navy</i><br>BA 7: <i>Operational Systems Development</i> | <b>R-1 ITEM NOMENCLATURE</b><br>PE 0206625M: <i>USMC Intelligence/</i><br><i>Electronics Warfare Sys</i> | <b>PROJECT</b><br>2272: <i>Intel Command and Control (C2) Sys</i> |                         |

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

| <b>Line Item</b>                  | <b>FY 2012</b> | <b>FY 2013</b> | <b>FY 2014<br/>Base</b> | <b>FY 2014<br/>OCO</b> | <b>FY 2014<br/>Total</b> | <b>FY 2015</b> | <b>FY 2016</b> | <b>FY 2017</b> | <b>FY 2018</b> | <b>Cost To<br/>Complete</b> | <b>Total Cost</b> |
|-----------------------------------|----------------|----------------|-------------------------|------------------------|--------------------------|----------------|----------------|----------------|----------------|-----------------------------|-------------------|
| • PMC/700007: <i>MSIDS SPARES</i> | 0.000          | 0.449          | 0.185                   |                        | 0.185                    | 0.516          | 0.527          | 0.809          | 0.824          | Continuing                  | Continuing        |

**Remarks**

**D. Acquisition Strategy**

(U) ACQUISITION STRATEGY SCI COMMS: 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 software and hardware components will be accomplished under the control of MCSC. These activities report to and are directed by the PM Marine Intelligence, Marine Corps Systems Command (MARCORSYSCOM).

(U) ACQUISITION STRATEGY JSTARS: JSTARS will use ongoing Distributed Common Ground System - Marine Corps (DCGS-MC) contracts for continued development of a future Ground Moving Target Indicator (GMTI) capability.

(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 increment are government-led, while the production phase, which encompasses the production, fielding, training and initial support of the systems, is firm-fixed price efforts.

(U) ACQUISITION STRATEGY 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. Technology insertion and refresh is developed by government personnel at the Lead System Integrator, the Space and Naval Warfare Support Center Atlantic (SSC-A). for procurement, product integration and limited product development, TPCS leverages existing SSC-A competitively awarded Multiple Award Contracts.

(U) ACQUISITION STRATEGY WFPVS: Marine Corps funds the development of the Ground Receive Station (GRS) for the Wide Focal Plane Array Camera (WFPAC). Development, integration, interoperability and testing are divided between Marine Corps Systems Command (MCSC) as lead integrator, the Army Program Manger, Unmanned Aerial Systems (PM UAS), Naval Air Systems Command (NAVAIR), and Naval Research Laboratory (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.

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| <b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2014 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                          | <b>DATE:</b> April 2013                                           |
| <b>APPROPRIATION/BUDGET ACTIVITY</b><br>1319: <i>Research, Development, Test &amp; Evaluation, Navy</i><br>BA 7: <i>Operational Systems Development</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>R-1 ITEM NOMENCLATURE</b><br>PE 0206625M: <i>USMC Intelligence/</i><br><i>Electronics Warfare Sys</i> | <b>PROJECT</b><br>2272: <i>Intel Command and Control (C2) Sys</i> |
| <p>(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 a Rapid Technology Insertion (RTI) candidate. Each request will be validated by the RTI team and approved by PM Marine Intelligence before solution evaluation begins. The RTI program will use COTS/GOTS/NDI solutions to the greatest extent possible.</p> <p>(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.</p> <p>(U) ACQUISITION STRATEGY RREP: The ever-increasing sophistication of target threats and information technology necessitates an evolutionary acquisition approach. RREP 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. Technology insertion and refresh is developed by government personnel at the Lead System Integrator, the Space and Naval Warfare Support Center Atlantic (SSC-A). for procurement, product integration and limited product development, TPCS leverages existing SSC-A competitively awarded Multiple Award Contracts.</p> <p>(U) ACQUISITION STRATEGY CIHEP: The CIHEP program employs a block approach of refreshing. Each year all or a portion of several of the 12 CIHEP modules is refreshed. Refresh rates vary by equipment, at one extreme with cameras and computers being refreshed every third year, and at the other with lens, night visions, and tactical radios being refreshed every seven years. CIHEP's block refresh approach facilitates the effective incorporation of technological advances and allows procurements to be evenly spread across the FYDP. To the maximum extent possible, existing contracts and relationships with other entities are leveraged to provide cost savings and capitalize on research and development already being done. Obsolescence will be addressed in the CIHEP Fielding Plans and In-Service Management Plans (ISMPs); the Program Office will use Defense Reutilization and Marketing Office procedures in order to extend the use of serviceable equipment throughout the Department of Defense (DoD) or other government agencies.</p> <p>(U) ACQUISITION STRATEGY IBR: Existing external contract will be used for Common Interactive Broadcast (CIB) upgrade development and COMSEC upgrade integration for USB ENTR and Joint Tactical Terminal (JTT) Senior to meet DoD and NSA mandates for MIL-STD waveform integration and COMSEC modernization.</p> <p>(U) ACQUISITION STRATEGY TENCAP: All work will be led in-house and necessary contractor support will be acquired using existing contracts. Research, test and integrate new technology and conduct advanced technology demonstrations to identify the most appropriate programs which are mature for integration of emerging technologies into the Marine Corps Intelligence, Surveillance, and Reconnaissance Enterprise (MCISR-E).</p> <p>(U) ACQUISITION STRATEGY CESAS: CESAS II development will consist of COTS and NDI integration into an existing GOTS architecture. Integration efforts will be conducted primarily by government personnel at the Lead System Integrator, the Space and Naval Warfare Support Center Atlantic (SSC-A) and the CESAS II developemnt activity, the Naval Air Warfare Center -Pt Magu CA. For procurement, product integration and limited product development, TPCS leverages existing SSC-A and NAWC Pt Magu competitively awarded contracts.</p> |                                                                                                          |                                                                   |

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| Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy                                                                                          |                                                                                             | DATE: April 2013                                           |
| APPROPRIATION/BUDGET ACTIVITY<br>1319: <i>Research, Development, Test &amp; Evaluation, Navy</i><br>BA 7: <i>Operational Systems Development</i> | R-1 ITEM NOMENCLATURE<br>PE 0206625M: <i>USMC Intelligence/<br/>Electronics Warfare Sys</i> | PROJECT<br>2272: <i>Intel Command and Control (C2) Sys</i> |

E. Performance Metrics

N/A

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| Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Navy                                                                         |                        |                                |                 |         |            |                                                                                     |            |                 |            |                                                     |            | DATE: April 2013 |                  |            |                          |
|--------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------|-----------------|---------|------------|-------------------------------------------------------------------------------------|------------|-----------------|------------|-----------------------------------------------------|------------|------------------|------------------|------------|--------------------------|
| 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/<br>Electronics Warfare Sys |            |                 |            | PROJECT<br>2272: Intel Command and Control (C2) Sys |            |                  |                  |            |                          |
| Product Development (\$ in Millions)                                                                                           |                        |                                |                 | FY 2012 |            | FY 2013                                                                             |            | FY 2014<br>Base |            | FY 2014<br>OCO                                      |            | FY 2014<br>Total |                  |            |                          |
| Cost Category Item                                                                                                             | Contract Method & Type | Performing Activity & Location | All Prior Years | Cost    | Award Date | Cost                                                                                | Award Date | Cost            | Award Date | Cost                                                | Award Date | Cost             | Cost To Complete | Total Cost | Target Value of Contract |
| TENCAP                                                                                                                         | C/CPFF                 | ManTech1:STAFFORD, VA          | 32.094          | 0.000   |            | 0.500                                                                               | Apr 2013   | 0.629           | Apr 2014   | -                                                   |            | 0.629            | 0.000            | 33.223     |                          |
| TRSS                                                                                                                           | C/CPFF                 | L3 NOVA:CINCINNATI, OH         | 2.575           | 0.000   |            | 0.000                                                                               |            | 0.000           |            | -                                                   |            | 0.000            | 0.000            | 2.575      |                          |
| TRSS                                                                                                                           | C/CPFF                 | ManTech2:STAFFORD, VA          | 3.865           | 0.310   | Feb 2012   | 0.310                                                                               | Dec 2012   | 0.000           |            | -                                                   |            | 0.000            | 0.000            | 4.485      |                          |
| SCI COMMS                                                                                                                      | MIPR                   | CECOM/WIN-T:FT. MONMOUTH, NJ   | 0.826           | 0.431   | Apr 2013   | 0.000                                                                               |            | 0.000           |            | -                                                   |            | 0.000            | 0.000            | 1.257      |                          |
| TCAC                                                                                                                           | C/CPFF                 | SPAWAR2:CHARLESTON, SC         | 0.000           | 0.000   |            | 0.439                                                                               | Apr 2013   | 1.000           | Jan 2014   | -                                                   |            | 1.000            | 0.000            | 1.439      |                          |
| TCAC                                                                                                                           | C/FFP                  | ManTech4:STAFFORD, VA          | 0.000           | 0.000   |            | 2.167                                                                               | Feb 2013   | 0.000           |            | -                                                   |            | 0.000            | 0.000            | 2.167      |                          |
| TCAC                                                                                                                           | C/FFP                  | NSWC CRANE:CRANE, IN           | 0.000           | 0.700   | Aug 2012   | 0.800                                                                               | Apr 2013   | 0.000           |            | -                                                   |            | 0.000            | 0.000            | 1.500      |                          |
| TCAC                                                                                                                           | WR                     | SPAWAR8:San Diego, CA          | 0.000           | 0.978   | Oct 2012   | 0.000                                                                               |            | 3.249           | Jan 2014   | -                                                   |            | 3.249            | 0.000            | 4.227      |                          |
| CESAS                                                                                                                          | C/FFP                  | SPAWAR4:CHARLESTON, SC         | 0.000           | 0.000   |            | 2.080                                                                               | Apr 2013   | 0.000           |            | -                                                   |            | 0.000            | 0.000            | 2.080      |                          |
| SCI COMMS                                                                                                                      | C/FFP                  | ManTech3:STAFFORD, VA          | 0.000           | 0.000   |            | 0.483                                                                               | Nov 2012   | 0.316           | Nov 2013   | -                                                   |            | 0.316            | 0.000            | 0.799      |                          |
| WVPS                                                                                                                           | C/CPFF                 | SPAWAR5:CHARLESTON, SC         | 0.000           | 0.256   | Jun 2012   | 0.025                                                                               | Feb 2013   | 0.027           | Jun 2014   | -                                                   |            | 0.027            | 0.000            | 0.308      |                          |
| IER                                                                                                                            | C/CPFF                 | NRL:ARLINGTON, VA              | 0.000           | 0.398   | Sep 2012   | 0.000                                                                               |            | 0.560           | Jun 2014   | -                                                   |            | 0.560            | 0.000            | 0.958      |                          |
| TENCAP                                                                                                                         | C/CPFF                 | SPAWAR6:CHARLESTON, SC         | 0.000           | 0.000   |            | 1.500                                                                               | Jan 2013   | 1.500           | Jan 2014   | -                                                   |            | 1.500            | 0.000            | 3.000      |                          |
| IBR                                                                                                                            | SS/CPFF                | ASPO:CHANTILLY, VA             | 0.000           | 0.000   |            | 0.000                                                                               |            | 0.737           | Nov 2013   | -                                                   |            | 0.737            | 0.000            | 0.737      |                          |
| IBR                                                                                                                            | SS/CPFF                | SSC PAC:SAN DIEGO, CA          | 0.000           | 0.000   |            | 0.000                                                                               |            | 0.250           | Feb 2014   | -                                                   |            | 0.250            | 0.000            | 0.250      |                          |

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| <b>Exhibit R-3, RDT&amp;E Project Cost Analysis: PB 2014 Navy</b>                                                                     |                                           |                                               |                            |                |                       |                                                                                            |                       |                         |                       |                        |                       | <b>DATE:</b> April 2013                                    |                             |                       |                                         |
| <b>APPROPRIATION/BUDGET ACTIVITY</b><br>1319: Research, Development, Test & Evaluation, Navy<br>BA 7: Operational Systems Development |                                           |                                               |                            |                |                       | <b>R-1 ITEM NOMENCLATURE</b><br>PE 0206625M: USMC Intelligence/<br>Electronics Warfare Sys |                       |                         |                       |                        |                       | <b>PROJECT</b><br>2272: Intel Command and Control (C2) Sys |                             |                       |                                         |
| <b>Product Development (\$ in Millions)</b>                                                                                           |                                           |                                               |                            | <b>FY 2012</b> |                       | <b>FY 2013</b>                                                                             |                       | <b>FY 2014<br/>Base</b> |                       | <b>FY 2014<br/>OCO</b> |                       | <b>FY 2014<br/>Total</b>                                   |                             |                       |                                         |
| <b>Cost Category Item</b>                                                                                                             | <b>Contract<br/>Method<br/>&amp; Type</b> | <b>Performing<br/>Activity &amp; Location</b> | <b>All Prior<br/>Years</b> | <b>Cost</b>    | <b>Award<br/>Date</b> | <b>Cost</b>                                                                                | <b>Award<br/>Date</b> | <b>Cost</b>             | <b>Award<br/>Date</b> | <b>Cost</b>            | <b>Award<br/>Date</b> | <b>Cost</b>                                                | <b>Cost To<br/>Complete</b> | <b>Total<br/>Cost</b> | <b>Target<br/>Value of<br/>Contract</b> |
| IBR                                                                                                                                   | C/CPFF                                    | JITC:FORT<br>HUACHUCA, AZ                     | 0.000                      | 0.213          | Feb 2012              | 0.000                                                                                      |                       | 0.000                   |                       | -                      |                       | 0.000                                                      | 0.000                       | 0.213                 |                                         |
| JSTARS                                                                                                                                | C/FFP                                     | Navy Research Lab<br>(NRL):Washington<br>DC   | 0.000                      | 0.000          |                       | 0.000                                                                                      | Dec 2013              | 1.942                   | Dec 2013              | -                      |                       | 1.942                                                      | 0.000                       | 1.942                 |                                         |
| TRSS                                                                                                                                  | WR                                        | SPAWAR7:CHARLESTON,<br>SC                     | 0.000                      | 0.702          | Jun 2012              | 0.000                                                                                      |                       | 1.762                   | Jan 2014              | -                      |                       | 1.762                                                      | 0.000                       | 2.464                 |                                         |
| CESAS                                                                                                                                 | TBD                                       | TBD:TBD                                       | 0.000                      | 0.000          |                       | 0.000                                                                                      |                       | 2.523                   | Feb 2014              | -                      |                       | 2.523                                                      | 0.000                       | 2.523                 |                                         |
| IAS                                                                                                                                   | C/CPFF                                    | SPAWAR3:CHARLESTON,<br>SC                     | 1.739                      | 1.504          | Jan 2013              | 1.079                                                                                      | Jan 2013              | 1.571                   | Jan 2014              | -                      |                       | 1.571                                                      | 0.000                       | 5.893                 |                                         |
| CESAS                                                                                                                                 | WR                                        | NSWC-<br>D:DAHLGREN, VA                       | 0.000                      | 0.500          | Mar 2012              | 0.000                                                                                      |                       | 0.000                   |                       | -                      |                       | 0.000                                                      | 0.000                       | 0.500                 |                                         |
| TPCS                                                                                                                                  | C/FFP                                     | SPAWAR1:CHARLESTON,<br>SC                     | 8.663                      | 2.500          | Oct 2011              | 2.915                                                                                      | Apr 2013              | 1.853                   | Jan 2014              | -                      |                       | 1.853                                                      | 0.000                       | 15.931                |                                         |
| TPCS                                                                                                                                  | C/FFP                                     | ManTech5:STAFFORD,<br>VA                      | 0.000                      | 0.767          | Feb 2012              | 0.000                                                                                      |                       | 0.000                   |                       | -                      |                       | 0.000                                                      | 0.000                       | 0.767                 |                                         |
| <b>Subtotal</b>                                                                                                                       |                                           |                                               | 49.762                     | 9.259          |                       | 12.298                                                                                     |                       | 17.919                  |                       | 0.000                  |                       | 17.919                                                     | 0.000                       | 89.238                |                                         |
| <b>Support (\$ in Millions)</b>                                                                                                       |                                           |                                               |                            | <b>FY 2012</b> |                       | <b>FY 2013</b>                                                                             |                       | <b>FY 2014<br/>Base</b> |                       | <b>FY 2014<br/>OCO</b> |                       | <b>FY 2014<br/>Total</b>                                   |                             |                       |                                         |
| <b>Cost Category Item</b>                                                                                                             | <b>Contract<br/>Method<br/>&amp; Type</b> | <b>Performing<br/>Activity &amp; Location</b> | <b>All Prior<br/>Years</b> | <b>Cost</b>    | <b>Award<br/>Date</b> | <b>Cost</b>                                                                                | <b>Award<br/>Date</b> | <b>Cost</b>             | <b>Award<br/>Date</b> | <b>Cost</b>            | <b>Award<br/>Date</b> | <b>Cost</b>                                                | <b>Cost To<br/>Complete</b> | <b>Total<br/>Cost</b> | <b>Target<br/>Value of<br/>Contract</b> |
| TRSS                                                                                                                                  | C/CPFF                                    | ManTech1:STAFFORD,<br>VA                      | 12.896                     | 0.340          | Jul 2012              | 0.600                                                                                      | Feb 2013              | 0.000                   |                       | -                      |                       | 0.000                                                      | Continuing                  | Continuing            | Continuing                              |
| MSIDS                                                                                                                                 | C/CPFF                                    | ManTech2:Stafford,<br>VA                      | 0.537                      | 0.288          | Sep 2012              | 0.379                                                                                      | Nov 2012              | 0.388                   | Jan 2014              | -                      |                       | 0.388                                                      | 0.000                       | 1.592                 |                                         |
| CIHEP                                                                                                                                 | WR                                        | SPAWAR:CHARLESTON,<br>SC                      | 0.383                      | 0.067          | Mar 2012              | 0.092                                                                                      | Apr 2013              | 0.191                   | Jan 2014              | -                      |                       | 0.191                                                      | Continuing                  | Continuing            | Continuing                              |
| IBR                                                                                                                                   | C/CPFF                                    | ManTech3:STAFFORD,<br>VA                      | 1.559                      | 0.368          | Jul 2012              | 0.176                                                                                      | Dec 2012              | 0.000                   |                       | -                      |                       | 0.000                                                      | 0.000                       | 2.103                 |                                         |
| IER                                                                                                                                   | Various                                   | VAR:VAR                                       | 1.933                      | 0.101          | Jul 2012              | 1.143                                                                                      | Jun 2013              | 0.000                   |                       | -                      |                       | 0.000                                                      | 0.000                       | 3.177                 |                                         |

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| <b>Exhibit R-3, RDT&amp;E Project Cost Analysis: PB 2014 Navy</b>                                                                     |                                           |                                               |                            |                |                       |                                                                                            |                       |                         |                       |                        |                       | <b>DATE:</b> April 2013                                    |                             |                       |                                         |
| <b>APPROPRIATION/BUDGET ACTIVITY</b><br>1319: Research, Development, Test & Evaluation, Navy<br>BA 7: Operational Systems Development |                                           |                                               |                            |                |                       | <b>R-1 ITEM NOMENCLATURE</b><br>PE 0206625M: USMC Intelligence/<br>Electronics Warfare Sys |                       |                         |                       |                        |                       | <b>PROJECT</b><br>2272: Intel Command and Control (C2) Sys |                             |                       |                                         |
| <b>Support (\$ in Millions)</b>                                                                                                       |                                           |                                               |                            | <b>FY 2012</b> |                       | <b>FY 2013</b>                                                                             |                       | <b>FY 2014<br/>Base</b> |                       | <b>FY 2014<br/>OCO</b> |                       | <b>FY 2014<br/>Total</b>                                   |                             |                       |                                         |
| <b>Cost Category Item</b>                                                                                                             | <b>Contract<br/>Method<br/>&amp; Type</b> | <b>Performing<br/>Activity &amp; Location</b> | <b>All Prior<br/>Years</b> | <b>Cost</b>    | <b>Award<br/>Date</b> | <b>Cost</b>                                                                                | <b>Award<br/>Date</b> | <b>Cost</b>             | <b>Award<br/>Date</b> | <b>Cost</b>            | <b>Award<br/>Date</b> | <b>Cost</b>                                                | <b>Cost To<br/>Complete</b> | <b>Total<br/>Cost</b> | <b>Target<br/>Value of<br/>Contract</b> |
| JSTARS                                                                                                                                | C/CPFF                                    | ManTech4:STAFFORD,<br>VA                      | 0.721                      | 0.000          |                       | 0.431                                                                                      | Apr 2013              | 0.000                   |                       | -                      |                       | 0.000                                                      | 0.000                       | 1.152                 |                                         |
| RREP                                                                                                                                  | WR                                        | NSWC:CRANE, IN                                | 0.742                      | 0.363          | Feb 2012              | 0.369                                                                                      | Dec 2012              | 0.000                   |                       | -                      |                       | 0.000                                                      | 0.000                       | 1.474                 |                                         |
| RREP                                                                                                                                  | C/CPFF                                    | ManTech5:STAFFORD,<br>VA                      | 0.743                      | 0.352          | Feb 2012              | 0.508                                                                                      | Nov 2012              | 0.000                   |                       | -                      |                       | 0.000                                                      | 0.000                       | 1.603                 |                                         |
| RREP                                                                                                                                  | C/FFP                                     | ManTech6:Stafford,<br>VA                      | 0.140                      | 0.090          | Nov 2012              | 0.250                                                                                      | Feb 2013              | 0.000                   |                       | -                      |                       | 0.000                                                      | 0.000                       | 0.480                 |                                         |
| WFVPS                                                                                                                                 | C/CPFF                                    | LANL:LOS ALAMOS,<br>NM                        | 0.488                      | 0.000          |                       | 0.000                                                                                      |                       | 0.000                   |                       | -                      |                       | 0.000                                                      | 0.000                       | 0.488                 |                                         |
| IER                                                                                                                                   | C/CPFF                                    | ManTech8:STAFFORD,<br>VA                      | 0.000                      | 0.820          | Jul 2012              | 1.100                                                                                      | Feb 2013              | 0.000                   |                       | -                      |                       | 0.000                                                      | 0.000                       | 1.920                 |                                         |
| CIHEP                                                                                                                                 | C/CPFF                                    | ManTech10:STAFFORD,<br>VA                     | 0.000                      | 0.060          | Nov 2011              | 0.093                                                                                      | Nov 2012              | 0.000                   |                       | -                      |                       | 0.000                                                      | Continuing                  | Continuing            | Continuing                              |
| CESAS                                                                                                                                 | WR                                        | SPAWAR:CHARLESTON,<br>SC                      | 0.000                      | 0.000          |                       | 0.502                                                                                      | Jan 2013              | 0.000                   |                       | -                      |                       | 0.000                                                      | 0.000                       | 0.502                 |                                         |
| WFVPS                                                                                                                                 | C/CPFF                                    | ManTech11:STAFFORD,<br>VA                     | 0.000                      | 0.178          | Jul 2012              | 0.000                                                                                      |                       | 0.000                   |                       | -                      |                       | 0.000                                                      | 0.000                       | 0.178                 |                                         |
| TPCS                                                                                                                                  | WR                                        | SPAWAR1:CHARLESTON,<br>SC                     | 1.650                      | 0.677          | Jan 2012              | 0.717                                                                                      | Feb 2013              | 1.152                   | Jan 2014              | -                      |                       | 1.152                                                      | 0.000                       | 4.196                 |                                         |
| TRSS                                                                                                                                  | C/FFP                                     | SPAWAR2:CHARLESTON,<br>SC                     | 0.000                      | 0.000          |                       | 0.000                                                                                      |                       | 0.996                   | Jan 2014              | -                      |                       | 0.996                                                      | 0.000                       | 0.996                 |                                         |
| RREP                                                                                                                                  | C/FFP                                     | MCSC:QUANTICO,<br>VA                          | 0.000                      | 0.000          |                       | 0.000                                                                                      |                       | 0.000                   |                       | -                      |                       | 0.000                                                      | 0.000                       | 0.000                 |                                         |
| RREP                                                                                                                                  | C/FFP                                     | SPAWAR:CHARLESTON,<br>SC                      | 0.000                      | 0.000          |                       | 0.000                                                                                      |                       | 1.436                   | Jan 2014              | -                      |                       | 1.436                                                      | 0.000                       | 1.436                 |                                         |
| CESAS - Spt                                                                                                                           | C/FFP                                     | NAWC:Point Magu,<br>CA                        | 0.000                      | 0.000          |                       | 0.000                                                                                      |                       | 1.200                   | Feb 2014              | -                      |                       | 1.200                                                      | 0.000                       | 1.200                 |                                         |
| CESAS                                                                                                                                 | C/FFP                                     | MCSC:QUANTICO,<br>VA                          | 0.000                      | 0.000          |                       | 0.000                                                                                      |                       | 0.950                   | Feb 2014              | -                      |                       | 0.950                                                      | 0.000                       | 0.950                 |                                         |
| SCI COMMS                                                                                                                             | C/FFP                                     | MCSC:Quantico, VA                             | 0.000                      | 0.000          |                       | 0.552                                                                                      | Jun 2013              | 0.580                   | Jun 2014              | -                      |                       | 0.580                                                      | 0.000                       | 1.132                 |                                         |
| TPCS                                                                                                                                  | C/FFP                                     | SAIC:Stafford, VA                             | 0.000                      | 0.116          | Feb 2012              | 0.000                                                                                      |                       | 0.000                   |                       | -                      |                       | 0.000                                                      | 0.000                       | 0.116                 |                                         |
| CIHEP                                                                                                                                 | C/CPFF                                    | ManTech:Stafford,<br>VA                       | 0.000                      | 0.006          | Nov 2012              | 0.000                                                                                      |                       | 0.000                   |                       | -                      |                       | 0.000                                                      | 0.000                       | 0.006                 |                                         |

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| <b>Exhibit R-3, RDT&amp;E Project Cost Analysis: PB 2014 Navy</b>                                                                     |                                           |                                               |                            |                |                       |                                                                                            |                       |                         |                       |                        |                       | <b>DATE:</b> April 2013                                    |                             |                       |                                         |
| <b>APPROPRIATION/BUDGET ACTIVITY</b><br>1319: Research, Development, Test & Evaluation, Navy<br>BA 7: Operational Systems Development |                                           |                                               |                            |                |                       | <b>R-1 ITEM NOMENCLATURE</b><br>PE 0206625M: USMC Intelligence/<br>Electronics Warfare Sys |                       |                         |                       |                        |                       | <b>PROJECT</b><br>2272: Intel Command and Control (C2) Sys |                             |                       |                                         |
| <b>Support (\$ in Millions)</b>                                                                                                       |                                           |                                               |                            | <b>FY 2012</b> |                       | <b>FY 2013</b>                                                                             |                       | <b>FY 2014<br/>Base</b> |                       | <b>FY 2014<br/>OCO</b> |                       | <b>FY 2014<br/>Total</b>                                   |                             |                       |                                         |
| <b>Cost Category Item</b>                                                                                                             | <b>Contract<br/>Method<br/>&amp; Type</b> | <b>Performing<br/>Activity &amp; Location</b> | <b>All Prior<br/>Years</b> | <b>Cost</b>    | <b>Award<br/>Date</b> | <b>Cost</b>                                                                                | <b>Award<br/>Date</b> | <b>Cost</b>             | <b>Award<br/>Date</b> | <b>Cost</b>            | <b>Award<br/>Date</b> | <b>Cost</b>                                                | <b>Cost To<br/>Complete</b> | <b>Total<br/>Cost</b> | <b>Target<br/>Value of<br/>Contract</b> |
| RREP                                                                                                                                  | PO                                        | MCSC1:Quantico,<br>VA                         | 0.000                      | 0.019          | Jul 2012              | 0.000                                                                                      |                       | 0.000                   |                       | -                      |                       | 0.000                                                      | 0.000                       | 0.019                 |                                         |
| RREP                                                                                                                                  | PO                                        | MCSC2:Quantico,VA                             | 0.000                      | 0.007          | Sep 2012              | 0.000                                                                                      |                       | 0.000                   |                       | -                      |                       | 0.000                                                      | 0.000                       | 0.007                 |                                         |
| TPCS                                                                                                                                  | WR                                        | SPAWAR-<br>A:CHARLESTON,<br>SC                | 0.000                      | 0.044          | Dec 2011              | 0.000                                                                                      |                       | 0.000                   |                       | -                      |                       | 0.000                                                      | 0.000                       | 0.044                 |                                         |
| IER                                                                                                                                   | C/FFP                                     | ONR:Arlington, VA                             | 0.000                      | 1.016          | Sep 2012              | 0.000                                                                                      |                       | 0.000                   |                       | -                      |                       | 0.000                                                      | 0.000                       | 1.016                 |                                         |
| IER                                                                                                                                   | C/FFP                                     | SMDC:Huntsville, AL                           | 0.000                      | 0.586          | Jul 2012              | 0.000                                                                                      |                       | 0.000                   |                       | -                      |                       | 0.000                                                      | 0.000                       | 0.586                 |                                         |
| IER                                                                                                                                   | C/FFP                                     | JITC:Ft. Huachuca,<br>AZ                      | 0.000                      | 0.100          | Jul 2012              | 0.000                                                                                      |                       | 0.000                   |                       | -                      |                       | 0.000                                                      | 0.000                       | 0.100                 |                                         |
| SCI COMMS                                                                                                                             | MIPR                                      | US Army,<br>MITRE:Stafford, VA                | 0.000                      | 0.000          |                       | 0.160                                                                                      | Mar 2013              | 0.160                   | Jan 2014              | -                      |                       | 0.160                                                      | 0.000                       | 0.320                 |                                         |
| TCAC                                                                                                                                  | C/CPFF                                    | ManTech7:STAFFORD,<br>VA                      | 0.000                      | 0.058          | Jul 2012              | 1.100                                                                                      | Feb 2013              | 0.000                   |                       | -                      |                       | 0.000                                                      | 0.000                       | 1.158                 |                                         |
| TCAC                                                                                                                                  | C/FFP                                     | MCSC:Quantico, Va                             | 0.000                      | 0.000          |                       | 0.000                                                                                      |                       | 0.611                   | Jan 2014              | -                      |                       | 0.611                                                      | 0.000                       | 0.611                 |                                         |
| TCAC                                                                                                                                  | WR                                        | SPAWAR:CHARLESTON,<br>SC                      | 0.000                      | 0.797          | Jun 2012              | 0.000                                                                                      |                       | 0.000                   |                       | -                      |                       | 0.000                                                      | 0.000                       | 0.797                 |                                         |
| TCAC                                                                                                                                  | C/CPFF                                    | SPAWAR-<br>A:CHARLESTON,<br>SC                | 0.000                      | 0.382          | Aug 2012              | 0.000                                                                                      |                       | 0.000                   |                       | -                      |                       | 0.000                                                      | 0.000                       | 0.382                 |                                         |
| IAS                                                                                                                                   | C/CPFF                                    | SPAWAR:CHARLESTON,<br>SC                      | 10.411                     | 2.047          | Jan 2013              | 0.856                                                                                      | Mar 2013              | 2.685                   | Dec 2013              | -                      |                       | 2.685                                                      | 0.000                       | 15.999                |                                         |
| IAS                                                                                                                                   | C/CPFF                                    | ManTech9:STAFFORD,<br>VA                      | 0.000                      | 0.000          |                       | 0.200                                                                                      | Dec 2012              | 0.000                   |                       | -                      |                       | 0.000                                                      | 0.000                       | 0.200                 |                                         |
| IAS                                                                                                                                   | C/FFP                                     | MCSC:Quantico, Va                             | 0.000                      | 0.000          |                       | 0.000                                                                                      |                       | 0.411                   | Feb 2014              | -                      |                       | 0.411                                                      | 0.000                       | 0.411                 |                                         |
| IAS                                                                                                                                   | TBD                                       | ONR:Arlington, VA                             | 0.000                      | 0.397          | Aug 2012              | 0.000                                                                                      |                       | 0.000                   |                       | -                      |                       | 0.000                                                      | 0.000                       | 0.397                 |                                         |
| <b>Subtotal</b>                                                                                                                       |                                           |                                               | 32.203                     | 9.279          |                       | 9.228                                                                                      |                       | 10.760                  |                       | 0.000                  |                       | 10.760                                                     |                             |                       |                                         |

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| Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Navy                                                                         |                        |                                |                 |         |            |                                                                                     |            |                 |            |                                                     |            | DATE: April 2013 |                  |            |                          |
| 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/<br>Electronics Warfare Sys |            |                 |            | PROJECT<br>2272: Intel Command and Control (C2) Sys |            |                  |                  |            |                          |
| Test and Evaluation (\$ in Millions)                                                                                           |                        |                                |                 | FY 2012 |            | FY 2013                                                                             |            | FY 2014<br>Base |            | FY 2014<br>OCO                                      |            | FY 2014<br>Total |                  |            |                          |
| Cost Category Item                                                                                                             | Contract Method & Type | Performing Activity & Location | All Prior Years | Cost    | Award Date | Cost                                                                                | Award Date | Cost            | Award Date | Cost                                                | Award Date | Cost             | Cost To Complete | Total Cost | Target Value of Contract |
| TRSS                                                                                                                           | Various                | MCOTEA:QUANTICO, VA            | 0.672           | 0.000   |            | 0.150                                                                               | Jan 2013   | 0.417           | Jan 2014   | -                                                   |            | 0.417            | Continuing       | Continuing | Continuing               |
| TPCS                                                                                                                           | Various                | MCOTEA:QUANTICO, VA            | 1.637           | 0.000   |            | 0.000                                                                               |            | 0.000           |            | -                                                   |            | 0.000            | 0.000            | 1.637      |                          |
| TPCS                                                                                                                           | C/FFP                  | SPAWAR:CHARLESTON, SC          | 1.672           | 1.089   | Mar 2012   | 0.665                                                                               | Mar 2013   | 0.803           | Jan 2014   | -                                                   |            | 0.803            | 0.000            | 4.229      |                          |
| CESAS                                                                                                                          | C/FFP                  | SPAWAR:CHARLESTON, SC          | 0.000           | 0.000   |            | 0.625                                                                               | Mar 2013   | 0.000           |            | -                                                   |            | 0.000            | 0.000            | 0.625      |                          |
| CESAS                                                                                                                          | TBD                    | TBD:TBD                        | 0.000           | 0.000   |            | 0.000                                                                               |            | 0.850           | Feb 2014   | -                                                   |            | 0.850            | 0.000            | 0.850      |                          |
| CESAS                                                                                                                          | Various                | MCOTEA:QUANTICO, VA            | 0.000           | 0.000   |            | 0.000                                                                               |            | 1.900           | Feb 2014   | -                                                   |            | 1.900            | 0.000            | 1.900      |                          |
| RREP                                                                                                                           | WR                     | SPAWAR:CHARLESTON, SC          | 0.000           | 0.000   |            | 0.000                                                                               |            | 0.034           | Jan 2014   | -                                                   |            | 0.034            | 0.000            | 0.034      |                          |
| JSTARS                                                                                                                         | C/FFP                  | NRL:WASHINGTON, DC             | 0.000           | 0.000   |            | 0.000                                                                               |            | 1.711           | Jan 2014   | -                                                   |            | 1.711            | 0.000            | 1.711      |                          |
| Subtotal                                                                                                                       |                        |                                | 3.981           | 1.089   |            | 1.440                                                                               |            | 5.715           |            | 0.000                                               |            | 5.715            |                  |            |                          |
| Remarks<br>TRSS/TPCS/CESAS - MCOTEA to award in various methods, i.e. CPFF, FFP.                                               |                        |                                |                 |         |            |                                                                                     |            |                 |            |                                                     |            |                  |                  |            |                          |
|                                                                                                                                |                        |                                | All Prior Years | FY 2012 |            | FY 2013                                                                             |            | FY 2014<br>Base |            | FY 2014<br>OCO                                      |            | FY 2014<br>Total | Cost To Complete | Total Cost | Target Value of Contract |
| Project Cost Totals                                                                                                            |                        |                                | 85.946          | 19.627  |            | 22.966                                                                              |            | 34.394          |            | 0.000                                               |            | 34.394           |                  |            |                          |
| Remarks                                                                                                                        |                        |                                |                 |         |            |                                                                                     |            |                 |            |                                                     |            |                  |                  |            |                          |



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Exhibit R-4, RDT&E Schedule Profile: PB 2014 Navy

DATE: April 2013

**APPROPRIATION/BUDGET ACTIVITY**

1319: Research, Development, Test & Evaluation, Navy  
BA 7: Operational Systems Development

**R-1 ITEM NOMENCLATURE**

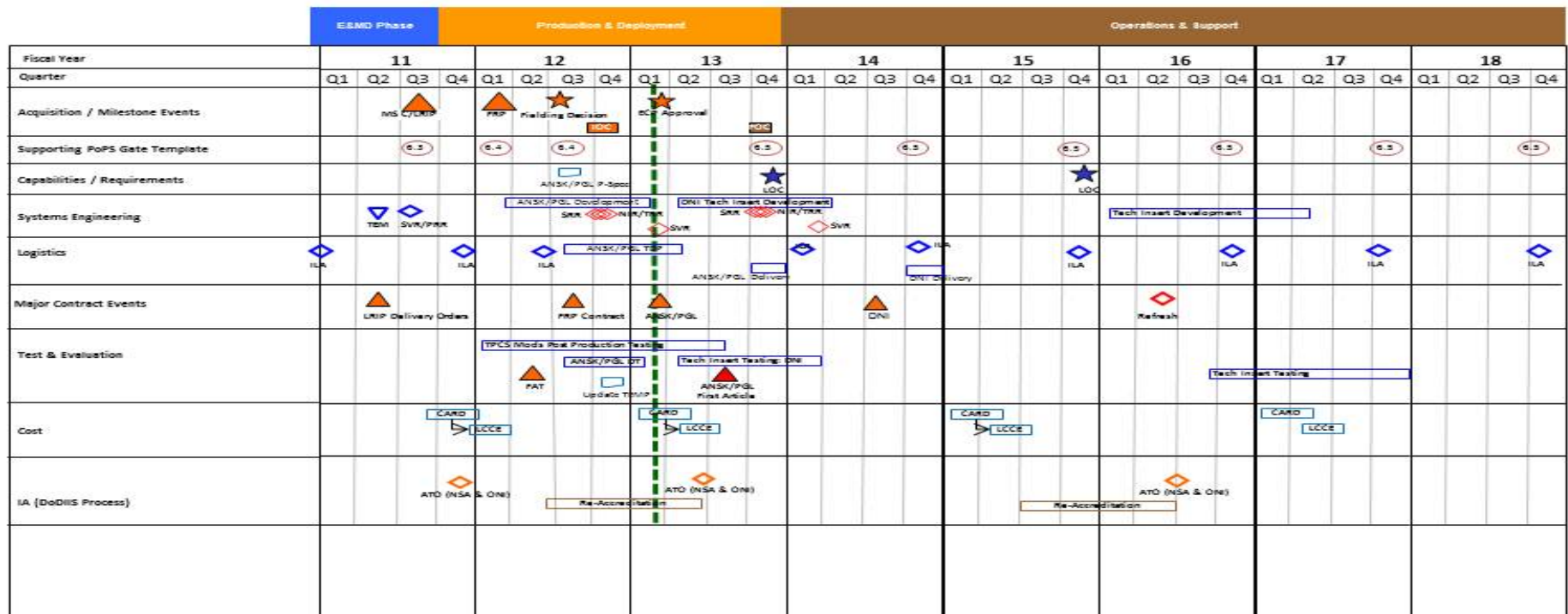
PE 0206625M: USMC Intelligence/  
Electronics Warfare Sys

**PROJECT**

2272: Intel Command and Control (C2) Sys

# TPCS Mods Schedule

Jan 2013



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Exhibit R-4, RDT&E Schedule Profile: PB 2014 Navy

DATE: April 2013

## APPROPRIATION/BUDGET ACTIVITY

1319: Research, Development, Test & Evaluation, Navy  
BA 7: Operational Systems Development

## R-1 ITEM NOMENCLATURE

PE 0206625M: USMC Intelligence/  
Electronics Warfare Sys

## PROJECT

2272: Intel Command and Control (C2) Sys



| Fiscal Year                     | 11                     |    |    |    | 12 |    |    |    | 13 |    |    |    | 14 |    |    |    | 15                     |    |    |    | 16 |    |    |    | 17 |    |    |    | 18 |    |    |    |
|---------------------------------|------------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|------------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| Quarter                         | Q1                     | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1                     | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 |
| <b>TCAC 4.2 FOS (Fielded)</b>   | Life Cycle Sustainment |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                        |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| RAWS 4.2, TWS, ONEROOF, MLS     |                        |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                        |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Acquisition / Milestone Events  |                        |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                        |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Supporting Gate Template        |                        |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                        |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Capabilities / Requirements     |                        |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                        |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| <b>TCAC FOS (Refresh)</b>       | Life Cycle Sustainment |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                        |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| TCAC 4.3, TCAC 4.4 and TCAC 4.5 |                        |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                        |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Acquisition / Milestone Events  |                        |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                        |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Supporting Gate Template        |                        |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                        |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Capabilities / Requirements     |                        |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                        |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| <b>FUTURE TCAC 5.0 SYSTEM</b>   |                        |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | Life Cycle Sustainment |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Acquisition / Milestone Events  |                        |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                        |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Supporting Gate Template        |                        |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                        |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Capabilities / Requirements     |                        |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                        |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |

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Exhibit R-4, RDT&E Schedule Profile: PB 2014 Navy

DATE: April 2013

**APPROPRIATION/BUDGET ACTIVITY**

1319: Research, Development, Test & Evaluation, Navy  
BA 7: Operational Systems Development

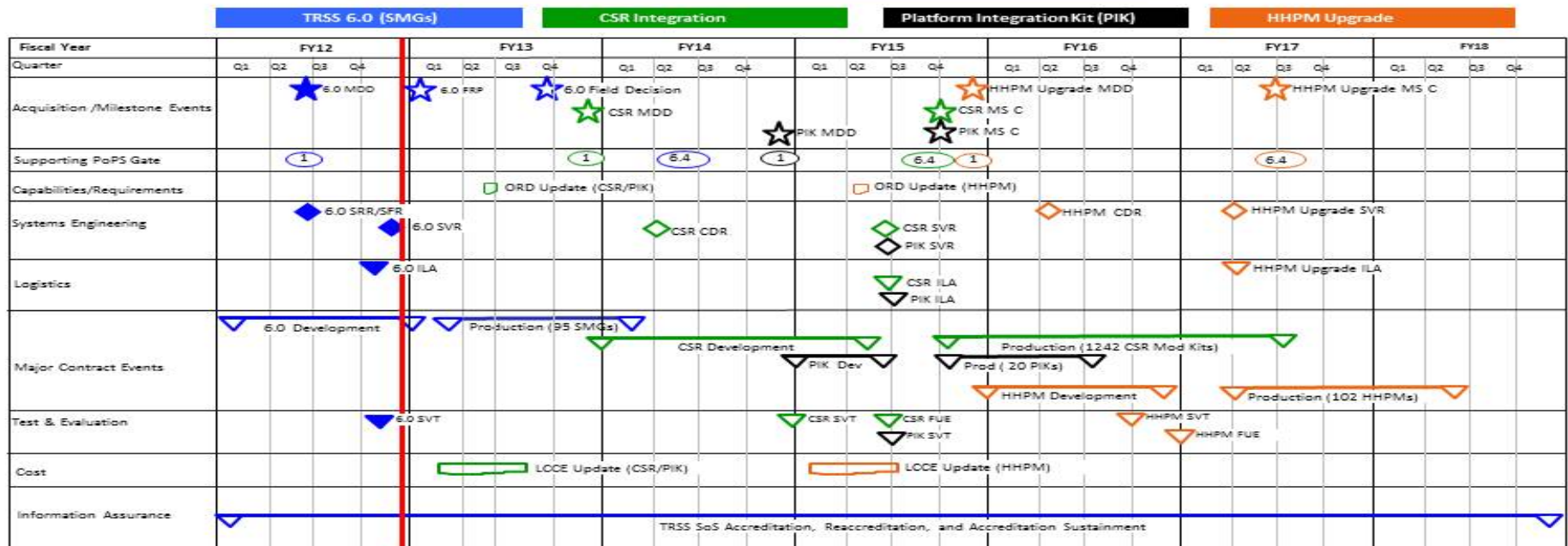
**R-1 ITEM NOMENCLATURE**

PE 0206625M: USMC Intelligence/  
Electronics Warfare Sys

**PROJECT**

2272: Intel Command and Control (C2) Sys

**Program Schedule  
Overall TRSS SoS**



Updated 12/18/12

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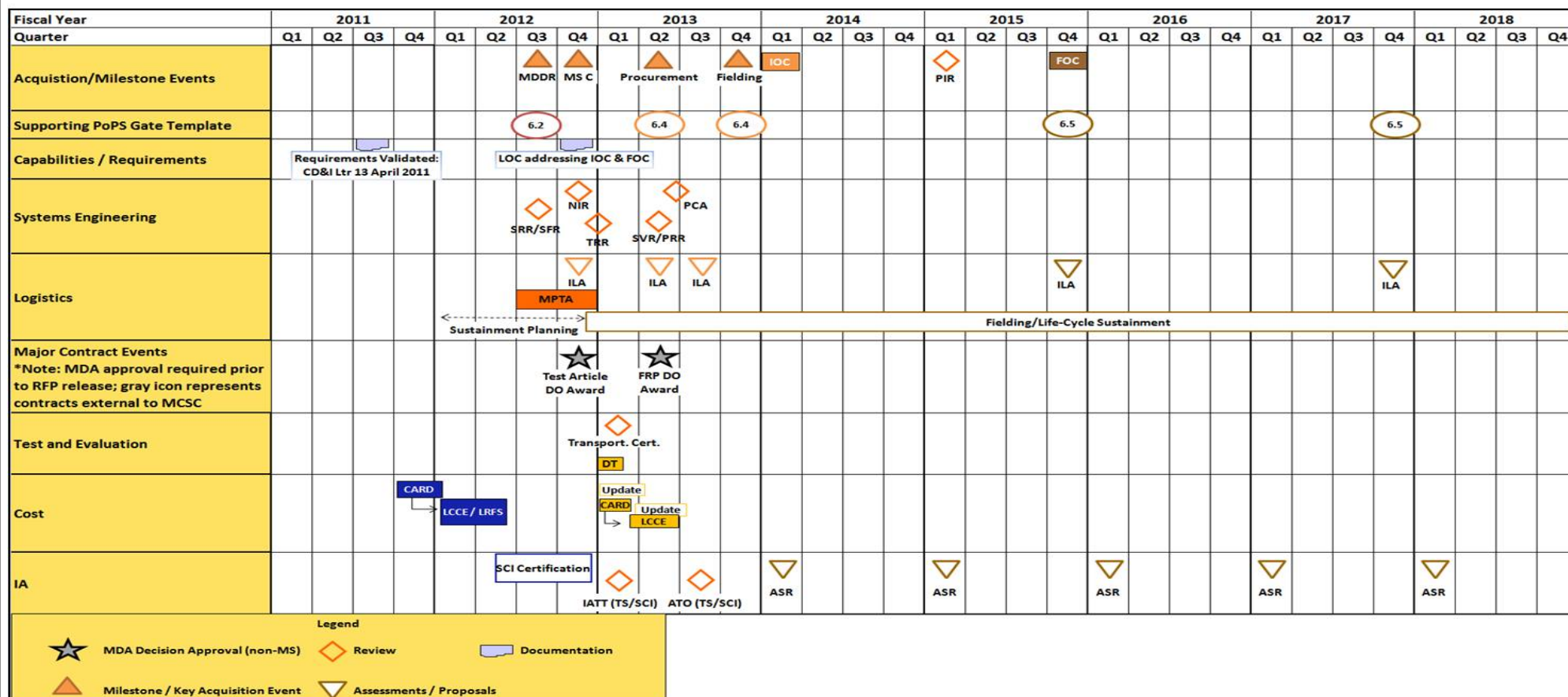
Exhibit R-4, RDT&amp;E Schedule Profile: PB 2014 Navy

DATE: April 2013

**APPROPRIATION/BUDGET ACTIVITY**1319: Research, Development, Test & Evaluation, Navy  
BA 7: Operational Systems Development**R-1 ITEM NOMENCLATURE**PE 0206625M: USMC Intelligence/  
Electronics Warfare Sys**PROJECT**

2272: Intel Command and Control (C2) Sys

# SCI COMMS Program Schedule



# UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2014 Navy

DATE: April 2013

## APPROPRIATION/BUDGET ACTIVITY

1319: Research, Development, Test & Evaluation, Navy  
BA 7: Operational Systems Development

## R-1 ITEM NOMENCLATURE

PE 0206625M: USMC Intelligence/  
Electronics Warfare Sys

## PROJECT

2272: Intel Command and Control (C2) Sys

## CESAS II Program Schedule

Updated as of 20 February 2012

|                               |              | Capabilities / R&D Development |    |    |    | Materials Solution Analysis |    |    |    | Technology Development |    |    |    | Engineering & Manufacturing Development |    |    |    | Production & Deployment |    |    |    | Operations & Support |    |    |    |
|-------------------------------|--------------|--------------------------------|----|----|----|-----------------------------|----|----|----|------------------------|----|----|----|-----------------------------------------|----|----|----|-------------------------|----|----|----|----------------------|----|----|----|
| Fiscal Year                   |              | 11                             |    |    |    | 12                          |    |    |    | 13                     |    |    |    | 14                                      |    |    |    | 15                      |    |    |    | 16                   |    |    |    |
| Quarter                       |              | Q1                             | Q2 | Q3 | Q4 | Q1                          | Q2 | Q3 | Q4 | Q1                     | Q2 | Q3 | Q4 | Q1                                      | Q2 | Q3 | Q4 | Q1                      | Q2 | Q3 | Q4 | Q1                   | Q2 | Q3 | Q4 |
| Acquisition/Milestone Events  |              |                                |    |    |    |                             |    |    |    |                        |    |    |    |                                         |    |    |    |                         |    |    |    |                      |    |    |    |
| Supporting PoPS Gate Template |              |                                |    |    |    |                             |    |    |    |                        |    |    |    |                                         |    |    |    |                         |    |    |    |                      |    |    |    |
| Capabilities/Requirements     |              |                                |    |    |    |                             |    |    |    |                        |    |    |    |                                         |    |    |    |                         |    |    |    |                      |    |    |    |
| Systems Engineering           |              |                                |    |    |    |                             |    |    |    |                        |    |    |    |                                         |    |    |    |                         |    |    |    |                      |    |    |    |
| Logistics                     |              |                                |    |    |    |                             |    |    |    |                        |    |    |    |                                         |    |    |    |                         |    |    |    |                      |    |    |    |
| Major Contract Events         |              |                                |    |    |    |                             |    |    |    |                        |    |    |    |                                         |    |    |    |                         |    |    |    |                      |    |    |    |
| Test & Evaluation             |              |                                |    |    |    |                             |    |    |    |                        |    |    |    |                                         |    |    |    |                         |    |    |    |                      |    |    |    |
| Cost                          |              |                                |    |    |    |                             |    |    |    |                        |    |    |    |                                         |    |    |    |                         |    |    |    |                      |    |    |    |
| IA                            |              |                                |    |    |    |                             |    |    |    |                        |    |    |    |                                         |    |    |    |                         |    |    |    |                      |    |    |    |
| Funding                       | RDT&E        | \$0                            |    |    |    | \$0                         |    |    |    | \$3.2                  |    |    |    | \$7.4                                   |    |    |    | \$2.0                   |    |    |    | \$0.5                |    |    |    |
|                               | O&M          | \$0.4                          |    |    |    | \$0.8                       |    |    |    | \$0.9                  |    |    |    | \$1.6                                   |    |    |    | \$1.6                   |    |    |    | \$1.2                |    |    |    |
|                               | Procurements | \$0.2                          |    |    |    | \$0                         |    |    |    | \$0                    |    |    |    | \$2.3                                   |    |    |    | \$10.2                  |    |    |    | \$2.6                |    |    |    |
|                               | Quantities   | 0                              |    |    |    | 0                           |    |    |    | 0                      |    |    |    | 3                                       |    |    |    | 17                      |    |    |    | 6                    |    |    |    |
|                               | Totals       | \$0.6                          |    |    |    | \$0.8                       |    |    |    | \$4.1                  |    |    |    | \$11.3K                                 |    |    |    | \$13.8                  |    |    |    | \$4.3                |    |    |    |

|        |                                     |                          |                 |
|--------|-------------------------------------|--------------------------|-----------------|
| Legend | ★ MDA Decision Approval (non-MS)    | ◆ Review                 | ■ Documentation |
|        | ▲ Milestone / Key Acquisition Event | ▼ Assessments, Proposals |                 |





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Exhibit R-4, RDT&amp;E Schedule Profile: PB 2014 Navy

DATE: April 2013

**APPROPRIATION/BUDGET ACTIVITY**

1319: Research, Development, Test & Evaluation, Navy  
BA 7: Operational Systems Development

**R-1 ITEM NOMENCLATURE**

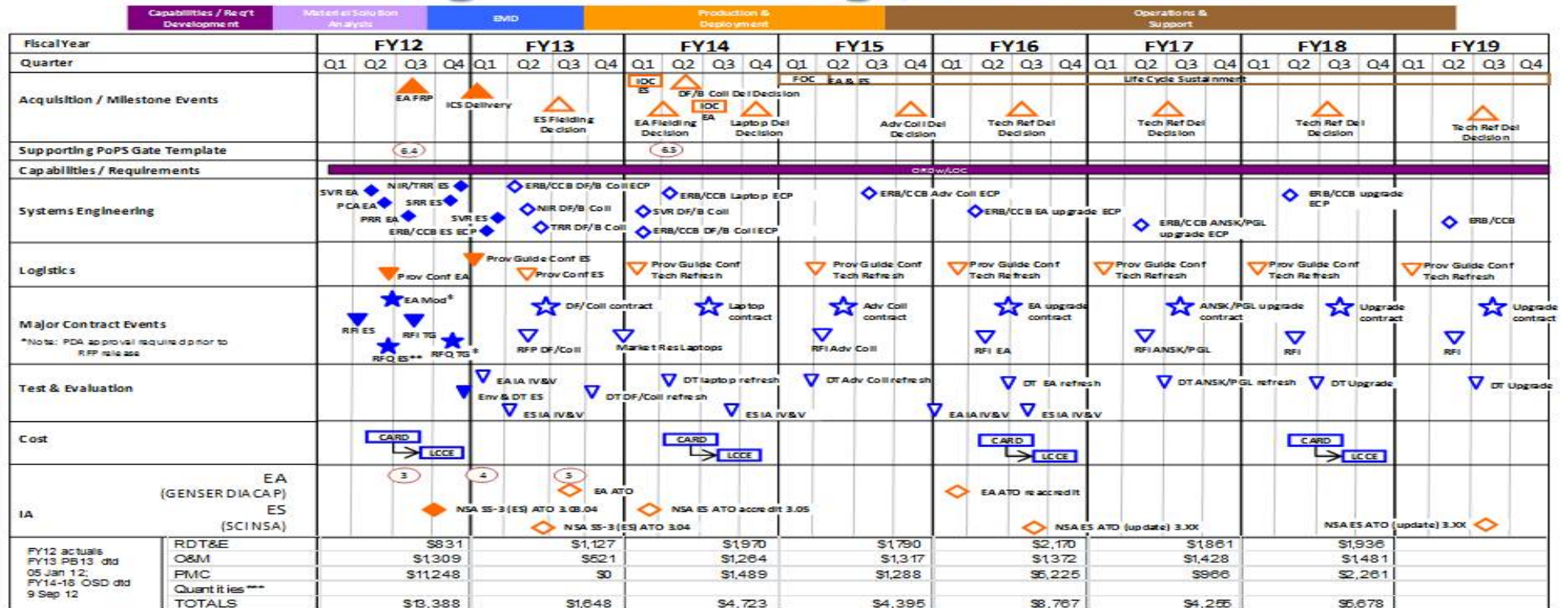
PE 0206625M: USMC Intelligence/  
Electronics Warfare Sys

**PROJECT**

2272: Intel Command and Control (C2) Sys

# RREP Notional Program Schedule Program Planning / Execution

Last Update: 10 Dec 12



Last Update 10 Dec 12



Note: FY12 RFQ = Procurement of PGL components; \*\*\*Quantities - total of 29 plus Initial spares for each new component; FY12 MARSOC AAO increase adding 6 new systems, and is moving 2 Wartime Reserve systems for an RREP AAO total of 42 for each FOS.

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Exhibit R-4, RDT&E Schedule Profile: PB 2014 Navy

DATE: April 2013

## APPROPRIATION/BUDGET ACTIVITY

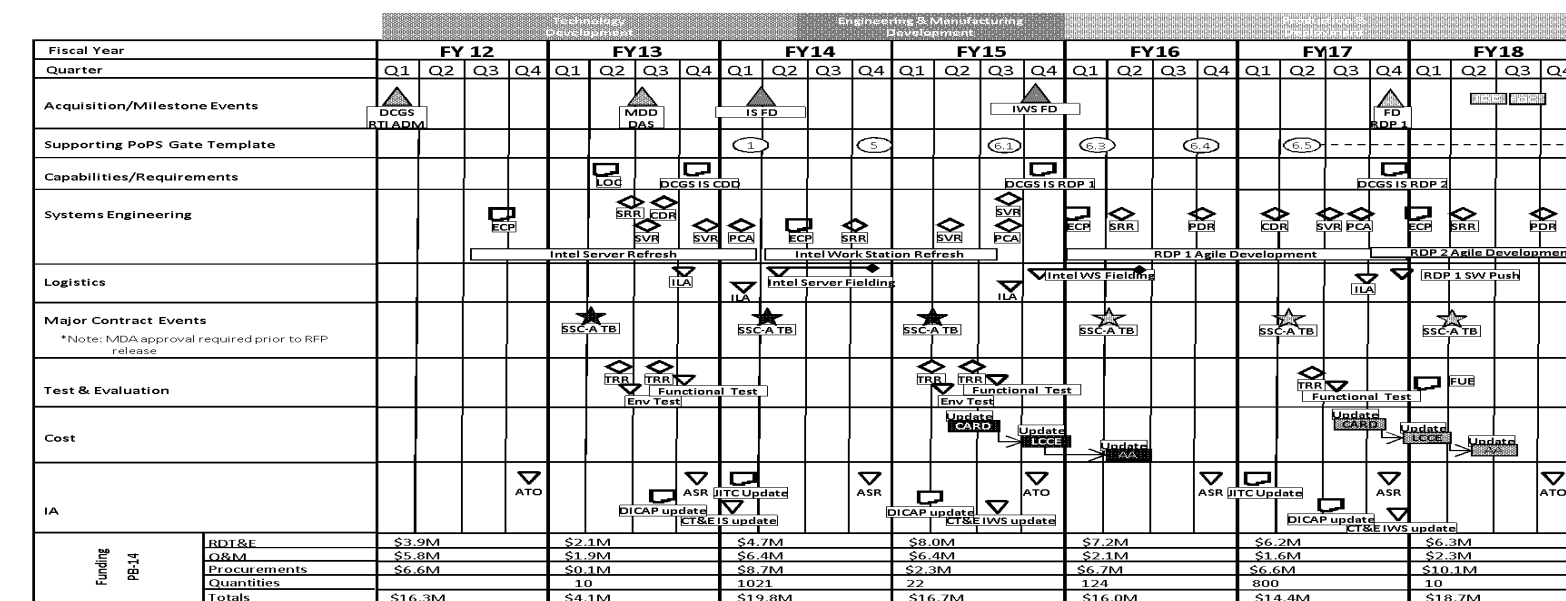
1319: Research, Development, Test & Evaluation, Navy  
BA 7: Operational Systems Development

## R-1 ITEM NOMENCLATURE

PE 0206625M: USMC Intelligence/  
Electronics Warfare Sys

## PROJECT

2272: Intel Command and Control (C2) Sys



Legend  
 ★ MDA Decision Approval (non-MS)  
 ▲ Milestone / Key Acquisition Event  
 ◆ Review  
 ▼ Assessments, Proposals  
 ■ Documentation

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**Exhibit R-4A, RDT&E Schedule Details:** PB 2014 Navy

**DATE:** April 2013

**APPROPRIATION/BUDGET ACTIVITY**

1319: *Research, Development, Test & Evaluation, Navy*  
BA 7: *Operational Systems Development*

**R-1 ITEM NOMENCLATURE**

PE 0206625M: *USMC Intelligence/*  
*Electronics Warfare Sys*

**PROJECT**

2272: *Intel Command and Control (C2) Sys*

## Schedule Details

| Events by Sub Project                           | Start   |      | End     |      |
|-------------------------------------------------|---------|------|---------|------|
|                                                 | Quarter | Year | Quarter | Year |
| <b>Proj 2272</b>                                |         |      |         |      |
| TPCS MODS FRP/FD                                | 2       | 2012 | 2       | 2012 |
| TPCS MODS IOC                                   | 3       | 2012 | 3       | 2012 |
| TPCS MODS FOC                                   | 3       | 2013 | 3       | 2013 |
| TCAC Fielding Decision                          | 1       | 2016 | 1       | 2016 |
| TCAC 5.0 MS C                                   | 4       | 2015 | 4       | 2015 |
| IAS Tier II PCA                                 | 3       | 2015 | 4       | 2015 |
| IAS MEF IAS Fielding Decision                   | 3       | 2014 | 3       | 2014 |
| IAS Tier II Fielding Decision                   | 1       | 2016 | 1       | 2016 |
| IAS Tier III SVR                                | 1       | 2015 | 2       | 2015 |
| IAS Tier III Fielding Decision                  | 2       | 2015 | 2       | 2015 |
| RREP ES IOC                                     | 1       | 2014 | 1       | 2014 |
| RREP EA IOC                                     | 3       | 2014 | 3       | 2014 |
| RREP FOC                                        | 1       | 2015 | 1       | 2015 |
| SCI COMMS MDDR                                  | 3       | 2012 | 3       | 2012 |
| SCI COMMS Procurement Decision                  | 2       | 2013 | 2       | 2013 |
| SCI COMMS MS C                                  | 4       | 2012 | 4       | 2012 |
| SCI COMMS IOC                                   | 1       | 2014 | 1       | 2014 |
| SCI COMMS FOC                                   | 4       | 2015 | 4       | 2015 |
| TRSS Monitor System Upgrade (Fielding Decision) | 3       | 2013 | 3       | 2013 |
| TRSS Monitor System Upgrade IOC/FOC             | 3       | 2013 | 4       | 2013 |
| TRSS PIK IOC                                    | 4       | 2014 | 4       | 2014 |



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|                                                                                                                                                         |  |                                                                                                          |                         |                                                                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------|-------------------------|-------------------------------------------------------------------|
| <b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2014 Navy                                                                                           |  |                                                                                                          | <b>DATE:</b> April 2013 |                                                                   |
| <b>APPROPRIATION/BUDGET ACTIVITY</b><br>1319: <i>Research, Development, Test &amp; Evaluation, Navy</i><br>BA 7: <i>Operational Systems Development</i> |  | <b>R-1 ITEM NOMENCLATURE</b><br>PE 0206625M: <i>USMC Intelligence/</i><br><i>Electronics Warfare Sys</i> |                         | <b>PROJECT</b><br>2272: <i>Intel Command and Control (C2) Sys</i> |
|                                                                                                                                                         |  | <b>Start</b>                                                                                             |                         | <b>End</b>                                                        |
| <b>Events by Sub Project</b>                                                                                                                            |  | <b>Quarter</b>                                                                                           | <b>Year</b>             | <b>Quarter</b>                                                    |
| CESAS AoA Approval                                                                                                                                      |  | 2                                                                                                        | 2013                    | 2                                                                 |
| CESAS MS C/ FRP                                                                                                                                         |  | 1                                                                                                        | 2015                    | 1                                                                 |