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<b>Exhibit R-2, RDT&amp;E Budget Item Justification:</b> PB 2013 Navy	<b>DATE:</b> February 2012
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APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE							
1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>				PE 0206625M: <i>USMC Intelligence/Electronics Warfare Sys</i>							
COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
Total Program Element	21.658	18.151	22.966	-	22.966	37.623	23.484	22.887	23.062	Continuing	Continuing
2272: <i>Intel Command and Control (C2) Sys</i>	21.658	18.151	22.966	-	22.966	37.623	23.484	22.887	23.062	Continuing	Continuing

**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><u>B. Program Change Summary (\$ in Millions)</u></b>	<b><u>FY 2011</u></b>	<b><u>FY 2012</u></b>	<b><u>FY 2013 Base</u></b>	<b><u>FY 2013 OCO</u></b>	<b><u>FY 2013 Total</u></b>
Previous President's Budget	20.316	14.101	16.144	-	16.144
Current President's Budget	21.658	18.151	22.966	-	22.966
Total Adjustments	1.342	4.050	6.822	-	6.822
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	1.445	-			
• SBIR/STTR Transfer	-	-			
• Program Adjustments	-	4.050	6.842	-	6.842
• Rate/Misc Adjustments	-	-	-0.020	-	-0.020
• Congressional General Reductions Adjustments	-0.103	-	-	-	-

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<b><u>Change Summary Explanation</u></b> FY13 increase of \$6.8M recognizes C4 developments in intelligence, surveillance and reconnaissance capabilities critically necessary for counterinsurgency operations.		

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APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE				PROJECT			
1319: Research, Development, Test & Evaluation, Navy BA 7: Operational Systems Development				PE 0206625M: USMC Intelligence/Electronics Warfare Sys				2272: Intel Command and Control (C2) Sys			
COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
2272: Intel Command and Control (C2) Sys	21.658	18.151	22.966	-	22.966	37.623	23.484	22.887	23.062	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

## 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.

Global Command and Control System Integrated Imagery and Intelligence (GCCS-I3) is a joint program that is designed to enhance the operational Commander's situational awareness and track management through the use of a standard set of integrated, linked tools and services that maximize commonality and interoperability across the tactical theater, and national communities. GCCS-I3 operates in joint and service specific battle space and is interoperable, transportable, and compliant with the DoD mandated Common Operating Environment (COE). FY 2011 RDTE funds support the development of GCCS-I3 4.x software enhancements and USMC Intelligence systems interoperability testing and certification program with the Joint Interoperability Test Command (JITC). Effective in FY12, the GCCS-I3 funding line is merged into the Intelligence Analysis System (IAS) funding line.

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 FY13 to support increased capability of USMC Tactical SIGINT Collection Systems required to pass data to TCAC.

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<p>Joint Surveillance Target Attack Radar (JSTARS) connectivity program will research and integrate a client software connectivity solution which will allow the JSTARS Moving Target Indicator (MTI), Fixed Target Indication (FTI) and Synthetic Aperture Radar (SAR) data to be passed from the JSTARS Common Ground Station (CGS) to lower echelons within the MAGTF. Additionally, the Marine Corps will continue future MTI and Common Data Link (CDL) sensor capabilities research and development. FY13 engineering technical and management support MTI integration.</p> <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.</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.</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. A recent increase of the MSIDS Video Exploitation Workstation (VEW) requirement within Infantry Battalions and Wing units, down to the squadron level, has grown from 18 to 140 in the past year. The VEW is utilized to import, manipulate, annotate still and video imager, create intelligence products, lift still frames from video, view multi-format TV</p>		

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<p>signals and provide a field briefing capability. MSIDS FoS is currently employed in every location world-wide where the Marine Corps participates in military operations to include Irregular Warfare. MSIDS is currently or has been employed in Iraq, Kuwait, Afghanistan, Haiti, Philippines, and Horn of Africa.</p> <p>Intelligence Equipment Readiness (IER) - Effective in FY12, the Tactical Exploitation of National Capabilities (TENCAP) program funding line was merged into the IER funding line. The funding will continue to support rapid prototyping and integration of emerging technologies involving national systems data. The IER provides a responsive capability to alleviate Marine Corps intelligence systems shortfalls created by the rapidly evolving missions, threats and command relationships associated with the Overseas Contingency Operations (OCO). The program provides for rapid technology insertion, as well as quick reaction training and logistics, to meeting the time sensitive intelligence infrastructure requirements of Marine Corps Operating Forces and the theater and service intelligence organizations supporting those forces. IER rapidly mitigates intelligence infrastructure shortfalls through exploitation of 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 systems architecture.</p> <p>Intelligence Analysis Systems, Family of Systems (IAS FoS) supports the employment of systems that provide timely planning and all source fusion, analysis, and dissemination of intelligence across the Intelligence Community of the Marine Air-Ground Task Force (MAGTF). IAS FoS ensures its systems are scalable dependant on the mission, and ensures that tactical intelligence is tailored to meet specific mission requirements from conventional to irregular warfare. FY12 R&amp;D OCO funding for IAS Mod Kits is requested to conduct integration, system testing, and evaluation of technology to incorporate into Intelligence Analysis Systems (IAS) Family of Systems (FoS) to directly support the Marines in OEF-A. Current intelligence efforts in Afghanistan have demonstrated a compelling need for COTS/GOTS product purchases to provide improved linking of structured and unstructured data sources, data and information discovery, and improved interoperability of data and exchange amongst the existing toolset applications. Without funding, the impact to OEF-A, as well as other Marine Corps overseas efforts, will be the lack of the Marines, and IAS FoS's ability to stay up-to-date with current technology (COTS/GOTS) that allows an increase in response time of intelligence analysis process, better quality intelligence products, and timely dissemination for units in support of OEF, or other overseas contingency operations. 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 Forces 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) in FY12. 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)</p>		

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<p>with a suite of state-of-the-market equipment comprised of commercial-off-the-shelf, government-off-the-shelf, and non-developmental items (COTS/GOTS/NDI). It integrates audio, video, imagery, communications, technical surveillance and computer equipment into lightweight, modular, scalable, deployable packages. CIHEP enhances the capability to collect, receive, process, and disseminate CI/HUMINT information from overt, sensitive, technical, tactical, and Force Protection, in the service, joint, and combined forces area of operations.</p> <p>Intelligence Broadcast Receiver (IBR) The USB ENTR is the newest part of the Intelligence Broadcast Receiver family conforming to the DoD Integrated Broadcast Service (IBS) objectives of interoperability and commonality across the Services to receive and process near real-time intelligence data. The USB ENTR system is an integral portion of 7 additional Programs of Record, providing a significant reduction in size and weight from the currently fielded system. The USB ENTR provides access to IBS data via 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 supporting the Global War on Terrorism. Tactical Exploitation of National Capabilities (TENCAP) is to exploit 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.</p> <p>Communication Emitter Sensing and Attacking System (CESAS) has assumed the mission of sensing and denying the enemy the use of the electromagnetic spectrum, thereby disrupting the enemy's command and control system. The CESAS covers the High Frequency (HF), Very High Frequency (VHF) and 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. FY12 RDT&amp;E OCO funding for CESAS is required to support software upgrades and Information Assurance updates for systems supporting Marine Expeditionary Brigade (MEB) ground Electronic Attack (EA) activities in Operation Enduring Freedom (OEF). This funding will also support 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. FY 2013 funding is required for development efforts for the next generation Marine Corps Ground Electronic Attack System (MCGEAS).</p>							
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)			FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Title: *Intelligence Analysis System, Mod Kit (IAS): Product Development			0.957	1.734	1.079	-	1.079
Articles:			0	0	0		0
Description: Effective in FY12, the Global Command Control Station (GCCS)-I3 funding line is merged into the Intelligence Analysis System (IAS) funding line.							
FY 2011 Accomplishments: Supported software development and integration of all IAS FoS related COTS and GOTS software.							
FY 2012 Plans: Support software development and integration of all IAS FoS related COTS and GOTS software.							

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)			FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
FY12 OCO funding is requested to conduct integration, system testing, and evaluation of technology to incorporate into Intelligence Analysis Systems (IAS) Family of Systems (FoS) to directly support the Marines in OEF-A. Current intelligence efforts in Afghanistan have demonstrated a compelling need for COTS/GOTS product purchases to provide improved linking of structured and unstructured data sources, data and information discovery, and improved interoperability of data and exchange amongst the existing toolset applications. Without funding, the impact to OEF-A, as well as other Marine Corps overseas efforts, will be the lack of the Marines, and IAS FoS's 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.							
FY 2013 Base Plans: Planned to support software development and integration of all IAS FoS related COTS and GOTS software.							
Title: *Intelligence Analysis System, Mod Kit (IAS): Support <div>Articles:</div>			0.523 0	2.214 0	1.056 0	-	1.056 0
Description: Effective in FY12, the Global Command Control Station (GCCS)-I3 funding line is merged into the Intelligence Analysis System (IAS) funding line.							
FY 2011 Accomplishments: Program management support for the integration and updates of the GCCS-I3 software into the IAS FoS software baseline. Planned purchase of R&D prototyping software/hardware efforts for future IAS FoS software baselines.							
FY 2012 Plans: Program management support for the integration and updates of the GCCS-I3 software into the IAS FoS software baseline. Planned purchase of R&D prototyping software/hardware efforts for future IAS FoS software baselines.							
FY 2013 Base Plans: Program management support for the integration and updates of the GCCS-I3 software into the IAS FoS software baseline. Planned purchase of R&D prototyping software/hardware efforts for future IAS FoS software baselines.							
Title: *GCCS-I3: Software Engineering Support <div>Articles:</div>			0.682 0	-	-	-	-

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)			FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
<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.							
<b>FY 2011 Accomplishments:</b> Integration and updates in support of incorporating GCCS-I3 software into the IAS FoS software baseline.							
<b>Title:</b> *GCCS-I3: Program Support <b>Articles:</b>			0.578 0	-	-	-	-
<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.							
<b>FY 2011 Accomplishments:</b> Program management support for the integration and updates of the GCCS-I3 software into the IAS FoS software baseline.							
<b>Title:</b> *GCCS-I3: Acquisition Logistics Support <b>Articles:</b>			0.129 0	-	-	-	-
<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.							
<b>FY 2011 Accomplishments:</b> Provided support services related to the storage and shipment of GCCS-I3 software to include configuration management.							
<b>Title:</b> *GCCS-I3: Program Testing <b>Articles:</b>			0.141 0	-	-	-	-
<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.							
<b>FY 2011 Accomplishments:</b> Provided support for integration level testing of GCCS-I3 in the IAS FoS software baseline.							
<b>Title:</b> *Technical Control and Analysis Center PIP (TCAC-PIP): Product Development <b>Articles:</b>			1.817 0	1.392 0	3.406 0	-	3.406 0



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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
<b>FY 2011 Accomplishments:</b> Updated software to accept new receiver data to ensure collection reports could be processed and disseminated by TCAC. Implemented Information Assurance and Vulnerability Assessment (IAVA) updates to maintain TCAC Authority to Operate.						
<b>FY 2012 Plans:</b> Continue software upgrade for the 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. Integrate GAIL 5.2 software into the TCAC baseline.						
<b>FY 2013 Base Plans:</b> Planned integration of Cyber Analysis Tools in the TCAC Family of Systems (FoS) and data exchange enhancements.						
<b>Title:</b> *Technical Control and Analysis Center PIP (TCAC-PIP): Support <b>Articles:</b>		0.077 0	0.545 0	1.100 0	-	1.100 0
<b>FY 2011 Accomplishments:</b> Planned program management support.						
<b>FY 2012 Plans:</b> Continue program management support for the Integration of the Cyber Analysis Tools into the TCAC FoS.						
<b>FY 2013 Base Plans:</b> Continue program management support for the Integration of the Cyber Analysis Tools into the TCAC FoS.						
<b>Title:</b> *Tactical Remote Sensor System (TRSS): Product Development - Urban Sensor Systems (USS) <b>Articles:</b>		1.097 0	-	-	-	-
<b>Description:</b> 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						

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)				FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
will occur on an as needed basis. Overseas Contingency Operations (OCO) funding of \$650K for FY12 is required for developing critical upgrades to TRSS systems; the software development improves the TRSS sensor management software to integrate TRSS sensor systems with the theater-provided-equipment/sensor systems being used in OEF. The modifications developed, and integrated into systems used in theater, with the OCO funds will directly support the Marine Forces operations and maintain the fast-paced technology evolution.								
FY 2011 Accomplishments: Developed the Urban Sensor Systems (USS) for the TRSS.								
Title: *Tactical Remote Sensor System (TRSS): Product Development - CSR Integration  Articles:				1.529 0	0.400 0	-	-	-
FY 2011 Accomplishments: Continued the development efforts and initiated the Common Sensor Radio (CSR) integration.								
FY 2012 Plans: Continue 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.								
Title: *Tactical Remote Sensor System (TRSS): Support - Engineering and Technical  Articles:				0.988 0	0.307 0	0.600 0	-	0.600 0
FY 2011 Accomplishments: Continued the engineering and technical management support.								
FY 2012 Plans: Continue 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.								
FY 2013 Base Plans: Continue the on-going engineering and technical management support for testing and integrating the detector upgrades.								
Title: *Tactical Remote Sensor System (TRSS): Test and Evaluation - IOT&E, Increment II  Articles:				0.120 0	0.350 0	0.150 0	-	0.150 0

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
FY 2011 Accomplishments: Planned upgrades to Increment II.						
FY 2012 Plans: Planned IOT&E for the TRSS 6.0 baseline.						
FY 2013 Base Plans: Continue planned Test and Evaluation events and documentation for the TRSS 6.0 baseline.						
Title: Wide Field of View Persistent Surveillance (WVPS): Product Development Articles:	-	0.256 0	0.025 0	-	0.025 0	
FY 2012 Plans: Product development for Persistent Intelligence Surveillance and Reconnaissance (P-ISR).						
FY 2013 Base Plans: Continued product development for Persistent Intelligence Surveillance and Reconnaissance (P-ISR).						
Title: *MAGTF Secondary Imagery Dissemination System (MSIDS): Support - Engineering and Technical Articles:	0.269 0	0.288 0	0.379 0	-	0.379 0	
FY 2011 Accomplishments: Provided on-going technical and engineering support for product development of hardware and software refresh.						
FY 2012 Plans: Continue on-going technical and engineering support for product development of hardware and software refresh.						
FY 2013 Base Plans: Continue on-going technical and engineering support for product development of hardware and software refresh.						
Title: *Joint Surveillance Target Attack Radar System (JSTARS): Support Articles:	0.721 0	-	0.431 0	-	0.431 0	
FY 2011 Accomplishments: Continued engineering, technical and management support and MTI integration.						
FY 2013 Base Plans: Engineering technical and management support and MTI integration.						
Title: *Intelligence Equipment Readiness (IER): Support - Program and Technical	0.196	2.523	-	-	-	

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Exhibit R-2A, RDT&E Project Justification: PB 2013 Navy			DATE: February 2012			
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		
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)						
		FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Articles:		0	0			
FY 2011 Accomplishments: Planned program management and technical support.						
FY 2012 Plans: Continue program management and technical support for Rapid Technology Insertion. \$1M increase in FY12 due to re-alignment of IER PMC and OMMC into RDT&E appropriation to address development efforts in Rapid Technology Insertion to rapidly mitigate intelligence infrastructure shortfalls. An additional \$618K increase in FY12 as a result of the merger of the Tactical Exploitation of National Capabilities (TENCAP) program into the IER funding line. The funding will continue to support rapid prototyping and integration of emerging technologies involving national systems data.						
Title: *Tactical Remote Sensor System (TRSS): Product Development - RSMS VER 4.2.2.		0.850	0.295	0.310	-	0.310
Articles:		0	0	0		0
FY 2011 Accomplishments: Completed the software upgrade/migration from Remote Sensor Management System (RSMS) VER 5.0 to Sentinel VER 1.0.						
FY 2012 Plans: Continue TRSS evolutionary software upgrade to Sentinel VER 1.6.						
FY 2013 Base Plans: Continue TRSS evolutionary software upgrade to Sentinel VER 2.0.						
Title: *SCI COMMS: Support - Engineering and Technical Support		0.410	0.431	1.195	-	1.195
Articles:		0	0	0		0
FY 2011 Accomplishments: Completed engineering and technical support.						
FY 2012 Plans: Funding will be be utilized for engineering and technical support.						
FY 2013 Base Plans:						

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Exhibit R-2A, RDT&E Project Justification: PB 2013 Navy			DATE: February 2012			
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		
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)						
		FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
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.						
Title: *Radio Recon Equipment Program (RREP): Support - Program and Technical  Articles:		2.262 0	0.831 0	1.127 0	-	1.127 0
FY 2011 Accomplishments: Continued to upgrade software architecture to improve system interoperability with TCAC, full system integration testing and evaluation, developed interoperability within the Family of Systems (FoS) and continued research on control and interface technologies for SS-3 incremental upgrades. Continued research for basic collection and direction finding capability refresh and research for man-packable Network Survey/Terminal Guidance capability.						
FY 2012 Plans: Continued to upgrade software architecture to improve system interoperability with TCAC, full system integration testing and evaluation, developed interoperability within the Family of Systems (FoS) and continued research on control and interface technologies for SS-3 incremental upgrades. Continued research for basic collection and direction finding capability refresh and research for man-packable Network Survey/Terminal Guidance capability.						
FY 2013 Base Plans: Continue research on control and interface technologies for SS-3 incremental upgrades, full system integration testing and evaluation and continue to develop interoperability within the FOSS. Will continue to upgrade software architecture to improve system interoperability with TCAC.						
Title: *Counterintel and Human Intel Equip (CIHEP): Support - Engineering and Technical  Articles:		0.129 0	0.133 0	0.185 0	-	0.185 0
FY 2011 Accomplishments: Conducted Independent Verification and Validation (IV&V) on software baseline. Continued engineering, integration and technical support for the refresh of program hardware and software.						
FY 2012 Plans: Conduct the materiel solution analysis, and continued the engineering, integration, and technical support for the refresh of CIHEP hardware and software.						
FY 2013 Base Plans:						

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Exhibit R-2A, RDT&E Project Justification: PB 2013 Navy			DATE: February 2012					
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				
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)				FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Continue the on-going materiel solution analysis, and the engineering, integration, and technical support for the evolving refresh of the CIHEP hardware and software.								
Title: *Team Portable Collection System (TPCS): Product Development  Articles:  FY 2011 Accomplishments: Completed system development of upgrades to SIGINT suite.  FY 2012 Plans: System development of technology insertion upgrades.  FY12 OCO (\$1.5M) is required to meet new requirements to integrate Special Intelligence technologies. 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.  FY 2013 Base Plans: Continue to fund the integration of the Special Intelligence technologies, the Terminal Guidance, Firefly, ICS-401, and MoonShine.				1.213 0	2.500 0	2.915 0	-	2.915 0
Title: *Team Portable Collection System (TPCS): Test and Evaluation  Articles:  FY 2011 Accomplishments: Continued efforts for training development and test support.  FY 2012 Plans: Post Production Testing for the Block O and testing efforts for the Block I.  FY 2013 Base Plans: Continue efforts for training development and test support.				1.287 0	1.972 0	0.665 0	-	0.665 0
Title: *Team Portable Collection System (TPCS): Support				1.500	0.721	0.717	-	0.717

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Exhibit R-2A, RDT&E Project Justification: PB 2013 Navy			DATE: February 2012			
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		
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)						
		FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Articles:		0	0	0		0
FY 2011 Accomplishments: Program support and management with Space and Naval Warfare Systems Command Systems Center-Atlantic.						
FY 2012 Plans: Planned program support and management with Space and Naval Warfare Systems Command Systems Center-Atlantic.						
FY 2013 Base Plans: Planned program support and management with Space and Naval Warfare Systems Command Systems Center-Atlantic.						
Title: *Communication Emitter Sensing and Attacking System (CESAS): Product Development Articles:		-	0.500 0	2.080 0	-	2.080 0
FY 2012 Plans: OCO: This funding is required to support software upgrades and Information Assurance updates for systems supporting Marine Expeditionary Brigade (MEB) ground Electronic Attack (EA) activities in Operation Enduring Freedom (OEF). This funding will also assist in the development of the advanced componentry required to reduce equipment damage realized by the Radio Battalions (RadBns) due to enemy engagement and platform suspension issues across rugged terrain.						
FY 2013 Base Plans: This funding is required for development efforts for the next generation Marine Corps Ground Electronic Attack System (MCGEAS). Funding will provide for 3 developmnet 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).						
Title: *Communication Emitter Sensing and Attacking System (CESAS): Test and Evaluation Articles:		-	-	0.625 0	-	0.625 0
FY 2013 Base Plans: This funding is required for the next generation Marine Corps Ground Electronic Attack System (MCGEAS). Funding will provide for the Test Readiness Review (TRR) and the Developmental Test (DT).						
Title: Intelligence Equipment Readiness (IER): Product Development		-	-	2.243	-	2.243

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Exhibit R-2A, RDT&E Project Justification: PB 2013 Navy				DATE: February 2012		
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		
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)						
		FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Articles:				0		0
FY 2013 Base Plans: Product development for Rapid Technology Insertion.						
Title: *Wide Field of View Persistent Surveillance (WVPS): Support - Engineering and Technical		-	0.178	-	-	-
Articles:			0			
FY 2012 Plans: Engineering and technical support for Persistent Intelligence Surveillance and Reconnaissance (P-ISR).						
Title: *Intelligence Broadcast Receiver (IBR): Product Development		0.490	0.421	0.113	-	0.113
Articles:		0	0	0		0
FY 2011 Accomplishments: Planned engineering and technical support.						
FY 2012 Plans: Continue contractor program support for USB ENTR Integration, Common Message Format and Tactical Receive Segment Software Testing.						
FY 2013 Base Plans: Continue engineering and technical support for USB ENTR Integration.						
Title: *Communication Emitter Sensing and Attacking System (CESAS): Support		-	-	0.502	-	0.502
Articles:				0		0
FY 2013 Base Plans: Program support and management.						
Title: *Intelligence Broadcast Receiver (IBR): Support		0.147	0.160	0.063	-	0.063
Articles:		0	0	0		0
FY 2011 Accomplishments: Planned contractor program support.						
FY 2012 Plans: Planned contractor program support for USB ENTR Integration, Common Message Format and Tactical Receive Segment Software Testing.						
FY 2013 Base Plans:						



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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				
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)				FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Continue contractor program support for USB ENTR Integration.								
<b>Title:</b> *Tactical Exploitation of National Capabilities (TENCAP): Program Support <b>Articles:</b>				3.354 0	-	0.500 0	-	0.500 0
<b>FY 2011 Accomplishments:</b> Continue program support and management; evaluate National Intelligence data systems for MAGTF applicability. Continued advanced technology demonstrations and integration into established MAGTF ISR architecture. Continue to participate in the JCS directed special projects exercises. Continued training and education efforts by providing the Operating Forces with TENCAP simulation, visualization, and data receipt and dissemination capabilities. Continued to support operational planning and enhance Operating Force capabilities to utilize national intelligence data within the MAGF ISR architecture.								
<b>FY 2013 Base Plans:</b> Provide program management and support for the evaluation of national intelligence data systems applicability to the operation forces. Conduct technical assessments of innovative national data receipt and dissemination capabilities for insertion into MCISR-E. Continue to support operational planning and enhance Operating Force capabilities to utilize national intelligence data within the MAGTF ISR architecture. Continue training and education efforts by providing the operating forces with TENCAP simulation, visualization, and improved data receipt and dissemination capabilities.								
<b>Title:</b> *Tactical Exploitation of National Capabilities (TENCAP): Technical Assessments <b>Articles:</b>				0.192 0	-	1.500 0	-	1.500 0
<b>FY 2011 Accomplishments:</b> Conducted technical assessments of emerging National data dissemination capabilities. Continuing to focus on keeping pace with the rapid evolution of technology in the downlink, collection, receipt, and processing capabilities of national intelligence systems.								
<b>FY 2013 Base Plans:</b> 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.								
Accomplishments/Planned Programs Subtotals				21.658	18.151	22.966	-	22.966

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2013 Navy			<b>DATE:</b> February 2012
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0206625M: <i>USMC Intelligence/Electronics Warfare Sys</i>	<b>PROJECT</b> 2272: <i>Intel Command and Control (C2) Sys</i>	

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

<u>Line Item</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013</u>			<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>Cost To</u>	
			<u>Base</u>	<u>OCO</u>	<u>Total</u>					<u>Complete</u>	<u>Total Cost</u>
• PMC/474761: <i>IAS</i>	20.132	3.610	0.000	0.000	0.000	21.632	8.945	6.620	9.950	Continuing	Continuing
• PMC/474707: <i>RREP</i>	12.966	11.248	0.000	0.000	0.000	0.403	1.588	0.267	0.276	Continuing	Continuing
• PMC/474717: <i>IBR</i>	4.250	7.385	0.000	1.562	1.562	2.434	1.008	0.412	0.420	Continuing	Continuing
• PMC/474757: <i>JSTARS</i>	3.843	0.384	0.000	0.000	0.000	1.780	3.244	0.000	0.000	Continuing	Continuing
• PMC/474737: <i>SCI COMMS</i>	17.657	0.111	0.000	0.000	0.000	16.895	4.692	0.548	0.220	Continuing	Continuing
• PMC/474713: <i>TRSS</i>	10.249	14.576	0.000	0.000	0.000	13.701	11.323	7.543	3.908	Continuing	Continuing
• PMC/474727: <i>TPCS</i>	48.831	19.061	5.650	10.900	16.550	27.804	12.101	6.631	8.333	Continuing	Continuing
• PMC/474751: <i>WVPS</i>	4.652	1.992	0.000	0.000	0.000	10.652	8.844	0.093	0.097	Continuing	Continuing
• PMC/474719: <i>MSIDS</i>	16.565	10.477	0.000	6.380	6.380	9.320	7.025	4.896	8.071	Continuing	Continuing
• PMC/474759: <i>IER</i>	5.434	7.831	0.000	0.000	0.000	3.386	3.087	1.593	1.493	Continuing	Continuing
• PMC/474763: <i>CESAS</i>	2.167	0.000	0.000	0.000	0.000	2.272	10.261	3.550	7.320	Continuing	Continuing
• PMC/4747014: <i>JWICS</i>	7.108	10.762	1.816	12.432	14.248	6.155	4.391	3.413	3.482	Continuing	Continuing

**D. Acquisition Strategy**

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

(U) ACQUISITION STRATEGY 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 hardware components will be accomplished under the control of the SSA, MCSC. Software integration and support will be accomplished by contractors under the control of the Project Officer. These activities report to and are directed by the PM IDF&D Systems, Marine Corps Systems Command (MARCORSYSCOM). Maintenance support will be managed by MARCORLOGBASES Albany and MCSC, with separate contractual agreements.

(U) ACQUISITION STRATEGY JSTARS: JSTARS will utilize ongoing Army JSTARS contracts for continue development of MTI and MTI Sensor capabilities as well as upgrades to the JSTARS Common Software baseline. Post Deployment Software Support (PDSS) will be provided through the Army Communications-Electronics

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2013 Navy		<b>DATE:</b> February 2012
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<p>Command (CECOM), Ft Monmouth, NJ. Surveillance Control Data Link (SCDL) refresh efforts will conducted in conjunction with the Army JSTARS Program Office. Development of a Moving Target Indicator capability for integration into the Distributed Common Ground System-Marine Corps will continue through MTCSC.</p> <p>(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 cost-plus fixed-fee efforts, while the production phase, which encompasses the production, fielding, training and initial support of the systems, is firm-fixed price efforts.</p> <p>(U) ACQUISITION STRATEGY TPCS: TPCS, the ever-increasing sophistication of target threats and information technology necessitates an evolutionary acquisition approach. TPCS will make incremental improvements through maximum use of COTS, GOTS and NDI. These technology insertions and product improvements will ensure the Radio Battalions maintain cutting edge technologies and collection capabilities.</p> <p>(U) ACQUISITION STRATEGY WFVPS: Marine Corps Combat Development Command (MCCDC) maintains sponsorship of the Angel Fire Urgent Universal Needs Statement (UUNS). Marine Corps funds the development of the Ground Receive Station (GRS) for the Wide Focal Plane Array Camera (WFPAC) which is the next iteration of Angel Fire. 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).</p> <p>(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.</p> <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 an Intelligence Systems Readiness (ISR) candidate. Each request will be validated by the ISR team and approved by the Project Officer and PM Intel before solution evaluation begins. The ISR program will use COTS/GOTS/NDI solutions to the greatest extent possible.</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: Research, test, and integrate new technology to keep pace with the evolving Marine Corps operational needs. Acquisition will maximize the use of Non-Developmental Items (NDI)/Commercial Off-the-Shelf (COTS) and Government Off-The-Shelf (GOTS) hardware and software to ensure the supporting units maintain cutting edge technology and collection capabilities.</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,</p>		

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2013 Navy		<b>DATE:</b> February 2012
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0206625M: <i>USMC Intelligence/Electronics Warfare Sys</i>	<b>PROJECT</b> 2272: <i>Intel Command and Control (C2) Sys</i>
<p>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)- SR 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 continues to be a combination of evolutionary and incremental development. Cost savings will be optimized by designed open architecture of systems for rapid insertion of new technology, maintaining integration and production team relationships, leveraging off of cooperative service ventures and technology development.</p> <p><b><u>E. Performance Metrics</u></b> N/A</p>		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2013 Navy										DATE: February 2012			
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					
Product Development (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
TENCAP	C/CPFF	ManTech:STAFFORD, VA	32.094	-		0.500	Apr 2013	-		0.500	0.000	32.594	
TPCS	C/CPFF	SPAWAR:CHARLESTON, SC	8.663	2.500	Mar 2012	2.927	Apr 2013	-		2.927	0.000	14.090	
TRSS	C/CPFF	L3 NOVA:CINCINNATI, OH	2.575	0.030	Dec 2011	-	Dec 2012	-		-	Continuing	Continuing	Continuing
TRSS	MIPR	ARL:ADELPHI, MD	0.966	0.300	Dec 2011	-		-		-	0.000	1.266	
TRSS	C/CPFF	ManTech:STAFFORD, VA	3.865	0.365	Feb 2012	0.310	Dec 2012	-		0.310	0.000	4.540	
SCI COMMS	MIPR	CECOM/WIN-T:FT. MONMOUTH, NJ	0.826	0.431	Apr 2012	-		-		-	0.000	1.257	
TCAC	C/CPFF	SPAWAR:CHARLESTON, SC	-	0.598	Dec 2011	0.439	Mar 2013	-		0.439	0.000	1.037	
IAS	C/CPFF	SPAWAR:CHARLESTON, SC	1.739	1.734	Feb 2012	1.079	Mar 2013	-		1.079	0.000	4.552	
CESAS	WR	NRL:ARLINGTON, VA	-	0.500	Dec 2011	-		-		-	0.000	0.500	
CESAS	C/CPFF	SPAWAR:CHARLESTON, SC	-	-		2.082	Apr 2013	-		2.082	0.000	2.082	
SCI COMMS	C/FFP	ManTech:STAFFORD, VA	-	-		1.195	Dec 2012	-		1.195	0.000	1.195	
TCAC	C/FFP	ManTech:STAFFORD, VA	-	0.598	Dec 2011	2.167	Nov 2012	-		2.167	0.000	2.765	
TCAC	C/FFP	NSWC CRANE:CRANE, IN	-	0.196	Jan 2012	0.800	Jan 2013	-		0.800	0.000	0.996	
WFVPS	C/CPFF	NRL:ARLINGTON, VA	-	0.256	Jun 2012	0.025	Feb 2013	-		0.025	0.000	0.281	
IER	C/CPFF	NRL:ARLINGTON, VA	-	-		2.243	Feb 2013	-		2.243	0.000	2.243	
TENCAP	C/CPFF	SPAWAR:CHARLESTON, SC	-	-		1.500	Jan 2013	-		1.500	0.000	1.500	
IBR	C/CPFF	ManTech:STAFFORD, VA	-	0.421	Dec 2011	0.113	Dec 2012	-		0.113	0.000	0.534	
Subtotal			50.728	7.929		15.380		-		15.380			

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2013 Navy										DATE: February 2012			
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					
Support (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
TRSS	C/CPFF	ManTech:STAFFORD, VA	12.896	0.307	Feb 2012	0.600	Feb 2013	-		0.600	Continuing	Continuing	Continuing
MSIDS	Various	VAR:VAR	0.537	0.288	Nov 2011	0.379	Nov 2012	-		0.379	0.000	1.204	
CIHEP	WR	SPAWAR:CHARLESTON, SC	0.383	0.067	Mar 2012	0.092	Apr 2013	-		0.092	Continuing	Continuing	Continuing
IAS	C/CPFF	SPAWAR:CHARLESTON, SC	10.411	1.750	Jan 2012	0.856	Mar 2013	-		0.856	0.000	13.017	
IBR	C/CPFF	ManTech:STAFFORD, VA	1.559	0.160	Dec 2011	0.063	Dec 2012	-		0.063	0.000	1.782	
IER	Various	VAR:VAR	1.933	2.323	May 2012	-		-		-	0.000	4.256	
JSTARS	C/CPFF	ManTech:STAFFORD, VA	0.721	-		0.431	Dec 2012	-		0.431	0.000	1.152	
RREP	C/FFP	NSWC:CRANE, IN	0.742	0.240	Jan 2012	0.369	Dec 2012	-		0.369	0.000	1.351	
RREP	C/CPFF	ManTech:STAFFORD, VA	0.743	0.501	Dec 2011	0.508	Nov 2012	-		0.508	0.000	1.752	
RREP	C/FFP	MCSC:QUANTICO, VA	0.140	0.090	Feb 2012	0.250	Feb 2013	-		0.250	0.000	0.480	
WVPS	C/CPFF	LANL:LOS ALAMOS, NM	0.488	-		-		-		-	0.000	0.488	
TCAC	C/CPFF	ManTech:STAFFORD, VA	-	0.545	Dec 2011	1.100	Dec 2012	-		1.100	0.000	1.645	
IER	C/CPFF	ManTech:STAFFORD, VA	-	0.200	Mar 2012	-		-		-	0.000	0.200	
IAS	C/CPFF	ManTech:STAFFORD, VA	-	0.464	Dec 2011	0.200	Dec 2012	-		0.200	0.000	0.664	
CIHEP	C/CPFF	ManTech:STAFFORD, VA	-	0.066	Nov 2011	0.093	Nov 2012	-		0.093	Continuing	Continuing	Continuing
CESAS	WR	SPAWAR:CHARLESTON,SC	-	-		0.500	Jan 2013	-		0.500	0.000	0.500	
WVPS	MIPR	SMDC:HUNTSVILLE, AL	-	0.178	Jun 2012	-		-		-	0.000	0.178	
TPCS	WR	SPAWAR:CHARLESTON, SC	1.650	0.721	Feb 2012	0.731	Feb 2013	-		0.731	0.000	3.102	

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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis:</b> PB 2013 Navy											<b>DATE:</b> February 2012			
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>				<b>R-1 ITEM NOMENCLATURE</b> PE 0206625M: <i>USMC Intelligence/Electronics Warfare Sys</i>				<b>PROJECT</b> 2272: <i>Intel Command and Control (C2) Sys</i>						

  

Support (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
<b>Subtotal</b>			32.203	7.900		6.172		-		6.172			

  

**Remarks**  
 TCAC - Various CPFF will award as various direct cites and work requests  
 RREP - Various will award as various direct cites and work requests.

  

Test and Evaluation (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	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	0.350	Jan 2012	0.150	Jan 2013	-		0.150	Continuing	Continuing	Continuing
TPCS	Various	MCOTEA:QUANTICO, VA	1.637	0.300	Mar 2012	-		-		-	0.000	1.937	
TPCS	C/CPFF	SPAWAR:CHARLESTON, SC	-	1.672	Mar 2012	0.639	Mar 2013	-		0.639	0.000	2.311	
CESAS	C/CPFF	SPAWAR:CHARLESTON, SC	-	-		0.625	Mar 2013	-		0.625	0.000	0.625	
<b>Subtotal</b>			2.309	2.322		1.414		-		1.414			

  

**Remarks**  
 (TRSS)- MCOTEA to award in various methods, ie. CPFF, FFP  
 (TPCS)- MCOTEA to award in various methods, ie. CPFF, FFP

  

	Total Prior Years Cost	FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	Cost To Complete	Total Cost	Target Value of Contract
<b>Project Cost Totals</b>	85.240	18.151		22.966		-		22.966			

  

**Remarks**

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Exhibit R-4, RDT&E Schedule Profile: PB 2013 Navy		DATE: February 2012
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



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Exhibit R-4, RDT&E Schedule Profile: PB 2013 Navy		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0206625M: <i>USMC Intelligence/Electronics Warfare Sys</i>	PROJECT 2272: <i>Intel Command and Control (C2) Sys</i>

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Exhibit R-4, RDT&E Schedule Profile: PB 2013 Navy		DATE: February 2012
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

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<b>Exhibit R-4, RDT&amp;E Schedule Profile:</b> PB 2013 Navy		<b>DATE:</b> February 2012
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0206625M: <i>USMC Intelligence/Electronics Warfare Sys</i>	<b>PROJECT</b> 2272: <i>Intel Command and Control (C2) Sys</i>

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Exhibit R-4, RDT&E Schedule Profile: PB 2013 Navy		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0206625M: <i>USMC Intelligence/Electronics Warfare Sys</i>	PROJECT 2272: <i>Intel Command and Control (C2) Sys</i>

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Exhibit R-4, RDT&E Schedule Profile: PB 2013 Navy		DATE: February 2012
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

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Exhibit R-4, RDT&E Schedule Profile: PB 2013 Navy		DATE: February 2012
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

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2013 Navy			<b>DATE:</b> February 2012
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0206625M: <i>USMC Intelligence/Electronics Warfare Sys</i>	<b>PROJECT</b> 2272: <i>Intel Command and Control (C2) Sys</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b>Proj 2272</b>				
TPCS MODS MS -C/LRIP	3	2011	3	2011
TPCS MODS FRP/FD	2	2012	2	2012
TPCS MODS IOC	3	2012	3	2012
TPCS MODS FOC	3	2013	3	2013
TCAC FoS Refresh IOC	4	2011	4	2011
TCAC FoS Refresh FOC	1	2013	1	2013
TCAC 5.0 MS B	4	2013	4	2013
TCAC 5.0 MS C	3	2014	3	2014
IAS Tier I CDR	3	2011	3	2011
IAS Tier I TRR	4	2011	4	2011
IAS Tier I SVR	4	2011	4	2011
IAS Tier I PCA	1	2012	1	2012
IAS Tier II CDR	1	2014	1	2014
IAS Tier II SVR	3	2014	3	2014
IAS Fielding Decision	4	2012	4	2012
IAS Tier II Fielding Decision	2	2015	2	2015
IAS Tier III CDR	1	2013	1	2013
IAS Tier III SVR	3	2013	3	2013
IAS Tier III Fielding Decision	1	2014	1	2014
RREP MDD	2	2011	2	2011
RREP FRP	4	2011	4	2011

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**Exhibit R-4A, RDT&E Schedule Details:** PB 2013 Navy **DATE:** February 2012

<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0206625M: <i>USMC Intelligence/Electronics Warfare Sys</i>	<b>PROJECT</b> 2272: <i>Intel Command and Control (C2) Sys</i>
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Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
RREP PDR	1	2011	1	2011
RREP CDR	2	2011	2	2011
RREP Fielding Decision	2	2012	2	2012
RREP IOC	4	2012	4	2012
RREP FOC	4	2013	4	2013
CESAS Fielding Decision	3	2011	3	2011
CESAS IOC	3	2011	3	2011
CESAS FOC	4	2011	4	2011
SCI COMMS AoA Team Level	1	2013	1	2013
SCI COMMS CDR	4	2012	4	2012
SCI COMMS MS C	4	2013	4	2013
SCI COMMS IOC	3	2014	3	2014
SCI COMMS FOC	1	2015	1	2015
TRSS Monitor System Upgrade (Fielding Decision)	2	2013	2	2013
TRSS Monitor System Upgrade IOC/FOC	3	2013	4	2013
TRSS PIK IOC	4	2014	4	2014