Exhibit R-2, RDT&E Budget Item Justification: PB 2017 Navy											Date: February 2016	
Appropriation/Budget Activity 1319: *Research, Development, Test & Evaluation, Navy I* BA 7: *Operational Systems Development*					R-1 Program Element (Number/Name) PE 0206625M *I USMC Intelligence/Electronics Warfare Sys*							
COST ($ in Millions)	**Prior Years**	**FY 2015**	**FY 2016**	**FY 2017 Base**	**FY 2017 OCO**	**FY 2017 Total**	**FY 2018**	**FY 2019**	**FY 2020**	**FY 2021**	**Cost To Complete**	**Total Cost**
Total Program Element	54.722	16.178	12.671	17.171	-	17.171	19.548	24.825	20.996	21.493	Continuing	Continuing
2272: *Intel Command and Control (C2) Sys*	54.722	16.178	12.671	17.171	-	17.171	19.548	24.825	20.996	21.493	Continuing	Continuing

Note

The FY 2017 funding request was reduced by $0.168 million to account for the availability of prior year execution balances.

A. Mission Description and Budget Item Justification

This Program Element (PE) for Intelligence Command and Control (C2) includes Military Intelligence Program (MIP) funds for Marine Corps Intelligence capabilities necessary to support 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 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Previous President's Budget	14.170	13.152	16.580	-	16.580
Current President's Budget	16.178	12.671	17.171	-	17.171
Total Adjustments	2.008	-0.481	0.591	-	0.591
• Congressional General Reductions	-	-0.030			
• Congressional Directed Reductions	-	-0.451			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	2.008	0.000			
• SBIR/STTR Transfer	-	-			
• Program Adjustments	0.000	0.000	3.013	-	3.013
• Rate/Misc Adjustments	0.000	0.000	-2.422	-	-2.422

Change Summary Explanation

The increase of $.591M in FY17 aligns funding profiles to the acquisition phase for the Technical Control and Analysis Center (TCAC), Tactical Signal Intelligence (SIGINT) Collection System (TSCS), Intelligence Analysis System (IAS), and Counterintelligence (CI) and Human Intelligence (HUMINT) Equipment Program (CIHEP) programs.

Exhibit R-2, RDT&E Budget Item Justification: PB 2017 Navy	Date: February 2016
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The $4.5M increase between FY16 and FY17 provides funding for the following Major Intelligence Command and Control efforts: TSCS for increased development, testing and evaluation of advanced SIGINT technology; TCAC for the integration of next generation analysis tools and hardware components; and IAS for integration, system testing, and evaluation of Advanced Analytic technologies.

Exhibit R-2A, RDT&E Project Justification: PB 2017 Navy			Date: February 2016
Appropriation/Budget Activity 1319 / 7	R-1 Program Element (Number/Name) PE 0206625M / *USMC Intelligence/ Electronics Warfare Sys*	Project (Number/Name) 2272 / *Intel Command and Control (C2) Sys*	

COST ($ in Millions)	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	Cost To Complete	Total Cost
2272: *Intel Command and Control (C2) Sys*	54.722	16.178	12.671	17.171	-	17.171	19.548	24.825	20.996	21.493	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Intelligence Command and Control (C2) includes Military Intelligence Program (MIP) funds for Marine Corps Intelligence capabilities necessary to support the employment of reconnaissance, surveillance, and target acquisition resources and the timely planning and processing of all-source intelligence through all phases of operation. 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.

PERSISTENT INTELLIGENCE, SURVEILLANCE AND RECONNAISSANCE (PISR) Ground Collection Systems: PISR is a comprehensive strategy that synchronizes organic and external ISR assets in support of MAGTF operations. This capability involves sensing the operational environment through a variety of systems, from satellites overhead to reconnaissance Marines on the ground. PISR incorporates terrestrial sensing capability from the following ground collection systems:

Communication Emitter Sensing and Attacking System (CESAS) has the mission to disrupt, degrade or deny detected 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. CESAS 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.

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. CIHEP provides each CI/HUMINT Company (CIHCo) with a suite of 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. Increase of $0.192M from FY16 to FY17 provides engineering, integration and technical support for sensor software consolidation.

MAGTF Secondary Imagery Dissemination System (MSIDS) Family of Systems (FoS) 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 and receive images in Near Real Time (NRT), internally with subordinate commands that are widely separated throughout the areas of operation and externally with higher and 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 Corps Forces 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

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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 Video Exploitation Workstation (VEW) is used to import, manipulate, annotate still and video imager, create intelligence products, lift still frames from video, view multi-format TV signals and provide a field briefing capability.

Tactical Remote Sensor Systems (TRSS) provides 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. 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. Upgrading individual components will occur on an as needed basis. TRSS 6.0 development improves the TRSS sensor management software in order to integrate TRSS sensor systems with theater-provided-equipment sensor systems and improve system interoperability.

Tactical Signal Intelligence (SIGINT) Collection System (TSCS): TSCS incorporates Team Portable Collection System (TPCS) and Radio Reconnaissance Equipment Program (RREP) into a single effort beginning in FY14. It provides modular, lightweight and team/man transportable/portable systems and components which provide signal intercept, collection, Direction-Finding (DF), reporting and collection management capability to MAGTF Commander. It provides the MAGTF Commander with a modular and scalable carry on/carry off suite of equipment which exploits information from more technically advanced target sets. TSCS uses rapid technology insertion processes and procedures to incorporate advanced SIGINT technology to allow the MAGTF Commander to maintain technological superiority. The increase of $1.419M from FY16 to FY17 reflects increased development, testing, and evaluation of advanced SIGINT technology.

PROCESSING, EXPLOITATION, ANALYSIS AND PRODUCTION: Processing, exploitation, analysis and production actions of the Intelligence process enables us to understand the all-source information/data revealed by PISR. The Distributed Common Ground System - Marine Corps (DCGS-MC) Enterprise (BLI 4767) will serve as the Marine Corps ISR Enterprise (MCISRE) backbone, migrating select capabilities into a single, integrated, net-centric baseline via clearly defined capability drops.

Intelligence Analysis System, Family of Systems (IAS FoS) provides 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 missions, and provides a tactical intelligence capability tailored to meet specific mission requirements. 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. $1.879M increase from FY16 to FY17 supports integration, system testing, and evaluation of Advanced Analytic technologies into the IAS FoS.

Technical Control Analysis Center (TCAC), consisting of the AN/UYQ-83 TCAC Remote Analysis Workstation (RAWS), AN/MYQ-9 TCAC Transportable Workstation, and Cross Domain Solution (CDS) , is the focal point of Radio Battalions (RADBN), Marine Corps Forces Special Operations Command (MARFORSOC), and Fixed Wing Marine Electronic Attack Squadron (VMAQ) Signals Intelligence (SIGINT) operations. TCAC automatically collects, stores, retrieves and plays back digital audio

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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. 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 provides USMC tactical SIGINT collection and analytical data into the Real-Time Regional Gateway (RTRG) and Distributed Common Ground System - Marine Corps (DCGS-MC). Increase of $1.405M from FY16 to FY17 will support integration of next generation of TCAC analysis tools and hardware components such as the TWS into the TCAC FoS.

INTELLIGENCE DISSEMINATION AND UTILIZATION (IDU): The IDU capability set performs the dissemination and integration functions of the Intelligence process. Dissemination connects the Intelligence product to the Commander who "operationalizes" these products through informed decisions.

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 Programs of Record, providing a significant reduction in size and weight. 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.

Intelligence Equipment Readiness (IER) supports rapid prototyping and integration of emerging technologies involving national systems data. IER provides a responsive capability to alleviate Marine Corps intelligence systems shortfalls created by rapidly evolving technology, missions and threats. The program provides for rapid technology insertion, 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 addresses requirements that span the entire Marine Corps Intelligence, Surveillance, and Reconnaissance Enterprise (MCISR-E).

Sensitive Compartmented Information Communications (SCI COMMS) - is a Super-High Frequency (SHF) multi-band satellite communications terminal, available in a 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. Funding supports research, development and testing of incremental product improvements, product interoperability and accreditation for Top Secret/Sensitive Compartmented Information (TS/SCI) connectivity.

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.

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B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Title: *Communication Emitter Sensing and Attacking System (CESAS): Product Development	0.987	0.475	0.457	0.000	0.457
Articles:	-	-	-	-	-
FY 2015 Accomplishments: - Completed development of CESAS II. ***FY 2016 Plans:*** - Initiate development of required modifications for CESAS II ***FY 2017 Base Plans:*** - Initiate integration development and CESAS II Engineering Change Proposals ***FY 2017 OCO Plans:*** N/A					
Title: *Communication Emitter Sensing and Attacking System (CESAS): Test and Evaluation	0.051	0.000	0.000	0.000	0.000
Articles:	-	-	-	-	-
FY 2015 Accomplishments: - Completed CESAS II developmental test and evaluation. ***FY 2016 Plans:*** N/A ***FY 2017 Base Plans:*** N/A ***FY 2017 OCO Plans:*** N/A					
Title: *Communication Emitter Sensing and Attacking System (CESAS): Support	0.024	0.025	0.044	0.000	0.044
Articles:	-	-	-	-	-
FY 2015 Accomplishments: - Continued to provide program support for CESAS II. ***FY 2016 Plans:*** - Continue to provide program support for required modifications to CESAS II. ***FY 2017 Base Plans:***					

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B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
- Continue to provide program support for required modifications to CESAS II. ***FY 2017 OCO Plans:*** N/A					
Title: *Counterintel and Human Intel Equip (CIHEP): Support - Engineering and Technical ***Articles:***	0.000 -	0.500 -	0.692 -	0.000 -	0.692 -
FY 2015 Accomplishments: N/A ***FY 2016 Plans:*** - Initiates and provides interoperability between refreshed CIHEP Family of Systems components. - Provides engineering, integration and technical support required for CIHEP hardware and software refresh. ***FY 2017 Base Plans:*** - Provide interoperability between CIHEP Family of Systems components and other Intelligence systems in compatable technology baseline to reduce future costs. - Provide engineering, integration and technical support required for planned CIHEP and TRSS sensor software consolidation. ***FY 2017 OCO Plans:*** N/A					
Title: *Intelligence Analysis System (IAS): Product Development ***Articles:***	0.000 -	1.783 -	3.230 -	0.000 -	3.230 -
FY 2015 Accomplishments: N/A ***FY 2016 Plans:*** - Initiate integration, system testing, and evaluation of advanced analytic technologies into the Intelligence Analysis System (IAS) Family of Systems (FoS). - Initiate market research, evaluation and development of advanced analytics for transition into the IAS FoS. ***FY 2017 Base Plans:*** - Continue integration, system testing, and evaluation of advanced analytic technologies into the Intelligence Analysis System (IAS) Family of Systems (FoS).					

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B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
- Initiate integration, system testing, and evaluation of Windows 10 Operating System, software enhancements and new Intelligence Workstation hardware into the IAS FoS. ***FY 2017 OCO Plans:*** N/A					
Title: *Intelligence Analysis System (IAS): Support ***Articles:*** ***FY 2015 Accomplishments:*** - Continued program management support for integration of advanced analytics tools into the IAS FoS software baseline. ***FY 2016 Plans:*** - Continue program management support for integration of advanced analytics tools into the IAS FoS software baseline. ***FY 2017 Base Plans:*** - Continue program management support for integration of advanced analytic tools into the IAS FoS software baseline. - Initiate program management support for integration and testing of Windows 10 Operating System, software enhancements and new Intelligence Workstation hardware into the IAS FoS. ***FY 2017 OCO Plans:*** N/A	1.178 -	0.551 -	0.983 -	0.000 -	0.983 -
Title: *Intelligence Broadcast Receiver (IBR): Support - Engineering and Technical ***Articles:*** ***FY 2015 Accomplishments:*** - Continued the interoperability software certification for Tactical Receive Segment (TRS). ***FY 2016 Plans:*** - Continues required recurring interoperability software certification for Tactical Receive Segment (TRS). ***FY 2017 Base Plans:*** - Will continue required recurring interoperability software certification for Tactical Receive Segment (TRS). ***FY 2017 OCO Plans:***	0.095 -	0.100 -	0.111 -	0.000 -	0.111 -

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B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
N/A					
Title: *SCI COMMS: Support - Engineering and Technical Support	0.636	0.199	0.198	0.000	0.198
Articles:	-	-	-	-	-
FY 2015 Accomplishments: - Initiated engineering analysis and technical evaluation to identify and provide recommendations for resolution of critical technical, test and evaluation, and technology issues. ***FY 2016 Plans:*** - Initiate and support Government Acceptance Testing (GAT). Support Engineering Change Proposals (ECP) for the network refresh. ECPs are scheduled for SCIK in 4QFY16 in order to prepare for end of sale/life of Pacstar network equipment. ***FY 2017 Base Plans:*** - Continue development of Engineering Change Proposals for network refresh. ***FY 2017 OCO Plans:*** N/A					
Title: *Tactical Exploitation of National Capabilities (TENCAP): Product Development & Technical Assessments	5.620	4.520	4.115	0.000	4.115
Articles:	-	-	-	-	-
FY 2015 Accomplishments: - Evaluated the applicability of national intelligence data systems to the operating forces to include the transition and evaluation of NRO funded projects such as Tactical All-Weather Coalition Sharing and Releasability Tool, Specific Emitter Identification over Integrated Broadcast System (IBS), and Tactical National Targeting-Confirmed Coordinates. - Executed a Cooperative Research and Development Agreement (CRADA) with Environmental Sciences Research Incorporated (ESRI) and began coordination of additional CRADAs to evaluate technologies to host and disseminate TENCAP data. - Performed advanced technology evaluations during TALON REACH and Trident Spectre 15 exercises. - Continued Rapid Reliable Targeting (RRT) integration into Puma UAS. RRT provides cueing from SIGINT to Full Motion Video (FMV) for precision geo-registration.					

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B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
- Continued to support the congressionally mandated TENCAP office and all associated ongoing activities, to include the interactions with national agencies, the intelligence community, research laboratories, private industry, and academia.					
FY 2016 Plans: - Continue to conduct research and development, advanced technology demonstrations, and integration of emerging technologies into the Marine Corps Intelligence, Surveillance, and Reconnaissance Enterprise (MCISRE). - Continue to support the congressionally mandated TENCAP office and all associated ongoing activities, to include the coordination with national agencies, the intelligence community, research laboratories, private industry, and academia, for exploration of collaborative Science and Technology (S&T)/R&D efforts to bring evolutionary intelligence capabilities to the operating forces. - Continue to provide 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 the identification and development of advanced technologies for the MCISRE architecture. - Continue training and education efforts by providing the operating forces with supported simulation, visualization, and improved mission planning capabilities.					
FY 2017 Base Plans: - Continue to conduct research and development, advanced technology demonstrations, and integration of emerging technologies into the Marine Corps Intelligence, Surveillance, and Reconnaissance Enterprise (MCISRE). - Continue to support the Congressionally mandated TENCAP office and all associated ongoing activities, to include the coordination with national agencies, the intelligence community, research laboratories, private industry, and academia, for exploration of collaborative Science and Technology (S&T)/R&D efforts to bring evolutionary intelligence capabilities to the operating forces. - Continue to provide 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 the identification and development of advanced technologies for the MCISRE architecture.					

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B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
- Continue training and education efforts by providing the operating forces with supported simulation, visualization, and improved mission planning capabilities. ***FY 2017 OCO Plans:*** N/A					
Title: *Tactical Remote Sensor System (TRSS): Support - Engineering and Technical ***Articles:*** ***FY 2015 Accomplishments:*** - Continued the engineering and technical management support required for developing critical upgrades to TRSS systems. ***FY 2016 Plans:*** - Continues to provide engineering and technical management support required for developing critical upgrades to TRSS systems. ***FY 2017 Base Plans:*** - Continue engineering and technical management support required for developing critical upgrades to TRSS systems. - Provide engineering, integration and technical support required for planned TRSS and CIHEP sensor software consolidation. ***FY 2017 OCO Plans:*** N/A	0.095 -	0.100 -	0.099 -	0.000 -	0.099 -
Title: *Tactical Signal Intelligence (SIGINT) Collection System (TSCS): Product Development ***Articles:*** ***FY 2015 Accomplishments:*** - Continued development of TPCS and RREP technology refresh and technology insertions to support additional signals of interest. ***FY 2016 Plans:*** - Continue development for ongoing TPCS and RREP technology refresh and technology insertions as well as potential engineering changes. ***FY 2017 Base Plans:***	1.761 -	0.273 -	0.709 -	0.000 -	0.709 -

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B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
- Continue development for ongoing TPCS and RREP technology refresh and technology insertions as well as potential engineering changes. - Initiate development and integration of Digital Network Intelligence (DNI)/ Dual Receiver Replacement (DRR) software to include Legacy Signals of Interest (SOI). ***FY 2017 OCO Plans:*** N/A					
Title: *Tactical Signal Intelligence (SIGINT) Collection System (TSCS): Test and Evaluation ***Articles:***	0.000 -	0.546 -	1.418 -	0.000 -	1.418 -
FY 2015 Accomplishments: N/A ***FY 2016 Plans:*** - Continue test and evaluation efforts for ongoing TPCS and RREP technology refresh and technology insertions as well as potential engineering changes. ***FY 2017 Base Plans:*** - Continue test and evaluation efforts for ongoing TPCS and RREP technology refresh and technology insertions as well as potential engineering changes. - Initiate test and evaluation of the DNI/DRR and legacy SOI. ***FY 2017 OCO Plans:*** N/A					
Title: *Tactical Signal Intelligence (SIGINT) Collection System (TSCS): Support ***Articles:***	0.461 -	0.091 -	0.202 -	0.000 -	0.202 -
FY 2015 Accomplishments: - Continued to provide program support and management for TPCS and RREP technology refresh and technology insertions to support additional signals of interest. ***FY 2016 Plans:*** - Continue to provide program support and management for ongoing TPCS and RREP technology refresh and technology insertions as well as potential engineering changes. ***FY 2017 Base Plans:***					

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B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
- Provide program support and management for ongoing developmental testing, engineering drawings, environmental testing for server sleeves. ***FY 2017 OCO Plans:*** N/A					
Title: *Technical Control and Analysis Center (TCAC): Product Development ***Articles:*** ***FY 2015 Accomplishments:*** - Initiated integration of TCAC Cyber Analysis tools and Cross Domain Solution into the TCAC Family of Systems (FoS). ***FY 2016 Plans:*** - Continue integration, testing, and selection of next generation TCAC analysis tools and hardware components such as the Remote Analysis Work Station (RAWS) and Cross Domain Solution (CDS) into the TCAC FoS. ***FY 2017 Base Plans:*** - Continue integration and testing of next generation TCAC analysis tools and hardware components such as the Transportable Workstation (TWS), JICD 4.2 net centric analytic capability, and peripheral refresh assessment into the TCAC FoS. ***FY 2017 OCO Plans:*** N/A	2.688 -	1.848 -	3.465 -	0.000 -	3.465 -
Title: *Technical Control and Analysis Center (TCAC): Support ***Articles:*** ***FY 2015 Accomplishments:*** - Continued technical support for the Integration of Cyber Analysis Tools into the TCAC FoS. ***FY 2016 Plans:*** - Continue technical support for integration of next generation TCAC analysis tools and hardware components such as the RAWS and CDS into the TCAC FoS ***FY 2017 Base Plans:***	2.582 -	1.660 -	1.448 -	0.000 -	1.448 -

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B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
- Continue technical support for integration of next generation TCAC analysis tools and hardware components such as the TWS into the TCAC FoS. ***FY 2017 OCO Plans:*** N/A					
Accomplishments/Planned Programs Subtotals	16.178	12.671	17.171	0.000	17.171

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	Cost To Complete	Total Cost
• PMC/474703: *TCAC*	11.853	10.999	4.874	-	4.874	1.813	10.778	6.457	6.681	Continuing	Continuing
• PMC/474761: *IAS*	7.622	5.603	22.326	-	22.326	10.516	12.576	10.787	10.981	Continuing	Continuing
• PMC/700000: *IAS SPARES*	0.101	0.101	0.154	-	0.154	0.157	0.159	0.163	0.166	Continuing	Continuing
• PMC/700004: *SCI COMMS SPARES*	0.693	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	0.793
• PMC/474709: *CIHEP*	5.582	3.931	4.491	2.131	6.622	3.842	1.020	1.040	1.059	Continuing	Continuing
• PMC/474702: *TSCS*	3.785	1.462	8.484	5.000	13.484	9.437	12.522	6.280	6.685	Continuing	Continuing
• PMC/474701: *CESAS*	3.613	0.701	5.189	-	5.189	0.000	0.000	0.000	0.000	Continuing	Continuing
• PMC/474700: *SCI COMMS*	2.230	1.355	5.136	2.000	7.136	3.186	3.206	1.891	0.246	Continuing	Continuing
• PMC/700003: *TRSS SPARES*	0.144	0.100	0.063	-	0.063	0.099	0.165	0.101	0.101	Continuing	Continuing
• PMC/700005: *MSIDS SPARES*	0.056	0.100	0.100	-	0.100	0.100	0.100	0.102	0.104	Continuing	Continuing
• PMC/474752: *IBR*	0.100	0.053	1.420	-	1.420	0.729	0.736	0.737	0.740	Continuing	Continuing
• PMC/474713: *TRSS*	1.000	0.000	0.036	1.500	1.536	0.000	0.034	0.000	0.000	Continuing	Continuing
• PMC/474719: *MSIDS*	0.000	0.000	0.000	1.500	1.500	0.000	0.000	0.000	0.000	0.000	1.500

Remarks

MSIDS program is in sustainment and has neither RDT&E nor baseline PMC funding in the FYDP; other funding is Spares and PMC OCO.

D. Acquisition Strategy

(U) SCI COMMS: Transitions the USMC TROJAN SPIRIT systems to the High Bandwidth Special Intelligence Palletized Terminal (HBSI-PT). The palletized system enables global access to tactical, theater, and national intelligence data stores facilitating functions, which include tasking, reporting, and dissemination by elements ranging from Ground Combat Elements to a Marine Expeditionary Force Command Element.

(U) TCAC: The acquisition of components for the TCAC will maximize the use of existing equipment, NDI/COTS/GFE equipment/software.

Exhibit R-2A, RDT&E Project Justification: PB 2017 Navy		Date: February 2016
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(U) TRSS: TRSS makes maximum use of COTS, GOTS and NDI with Firm Fixed Price Production.

(U) MSIDS: MSIDS makes maximum use of COTS, GOTS and NDI with Firm Fixed Price Production.

(U) IER: IER makes maximum use of COTS, GOTS and NDI with Firm Fixed Price Production.

(U) IAS: IAS makes maximum use of COTS, GOTS and NDI with Firm Fixed Price Production.

(U) CIHEP: CIHEP makes maximum use of COTS, GOTS and NDI with Firm Fixed Price Production.

(U) IBR: IBR software upgrades are developed at Naval laboratories and integrated into the system.

(U) 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).

(U) CESAS: CESAS II production will consist of COTS and NDI integration into an existing GOTS architecture. Production efforts will be conducted at Naval laboratories.

(U) TSCS: TSCS makes maximum use of COTS, GOTS and NDI with Firm Fixed Price Production.

E. Performance Metrics

N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2017 Navy			Date: February 2016
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Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2015 Cost	FY 2015 Award Date	FY 2016 Cost	FY 2016 Award Date	FY 2017 Base Cost	FY 2017 Base Award Date	FY 2017 OCO Cost	FY 2017 OCO Award Date	FY 2017 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Prior Years Cummulative Funding	Various	Various : Various	27.184	0.000		0.000		0.000		-		0.000	0.000	27.184	-
CESAS	WR	SPAWAR : CHARLESTON, SC	1.513	0.787	Nov 2014	0.475	Dec 2015	0.457	Dec 2016	-		0.457	0.000	3.232	-
CESAS	C/FFP	SPAWAR8 : CHARLESTON, SC	2.242	0.200	Feb 2015	0.000		0.000		-		0.000	0.000	2.442	-
IAS	WR	SPAWAR : CHARLESTON, SC	0.000	0.000		1.783	Oct 2015	3.230	Jan 2017	-		3.230	0.000	5.013	-
TENCAP	C/CPFF	DTIC-1 : FT. BELVOIR	2.697	5.012	Nov 2014	3.132	Nov 2015	0.000		-		0.000	0.000	10.841	-
TENCAP	WR	SPAWAR : CHARLESTON, SC	0.605	0.505	Nov 2014	0.672	Jan 2016	0.505	Jan 2017	-		0.505	Continuing	Continuing	Continuing
TENCAP	FFRDC	MITRE : STAFFORD, VA	0.200	0.103	Apr 2015	0.000		0.000		-		0.000	0.000	0.303	-
TENCAP	C/CPFF	DTIC-2 : FT. BELVOIR	0.000	0.000		0.716	Jul 2016	3.610	Oct 2016	-		3.610	0.000	4.326	-
TSCS	WR	SPAWAR : CHARLESTON, SC	1.593	1.761	Jan 2015	0.273	Dec 2015	0.709	Dec 2016	-		0.709	Continuing	Continuing	Continuing
TCAC	C/CPFF	SPAWAR2 : Charleston, SC	0.000	1.344	Jan 2015	0.813	Jan 2016	1.815	Jan 2017	-		1.815	0.000	3.972	-
TCAC	WR	SPAWAR8 : San Diego, CA	5.916	1.344	Dec 2014	1.035	Oct 2015	1.650	Oct 2016	-		1.650	Continuing	Continuing	Continuing
		Subtotal	41.950	11.056		8.899		11.976		-		11.976	-	-	-

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2015 Cost	FY 2015 Award Date	FY 2016 Cost	FY 2016 Award Date	FY 2017 Base Cost	FY 2017 Base Award Date	FY 2017 OCO Cost	FY 2017 OCO Award Date	FY 2017 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
SCI COMMS	C/FFP	CECOM : APG, MD	0.000	0.078	Sep 2015	0.000		0.000		-		0.000	0.000	0.078	-
SCI COMMS	WR	SPAWAR-1 : Charleston, SC	0.150	0.439	Apr 2015	0.000		0.000		-		0.000	0.000	0.589	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2017 Navy			Date: February 2016
Appropriation/Budget Activity 1319 / 7	R-1 Program Element (Number/Name) PE 0206625M / *USMC Intelligence/ Electronics Warfare Sys*	Project (Number/Name) 2272 / *Intel Command and Control (C2) Sys*	

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2015 Cost	FY 2015 Award Date	FY 2016 Cost	FY 2016 Award Date	FY 2017 Base Cost	FY 2017 Base Award Date	FY 2017 OCO Cost	FY 2017 OCO Award Date	FY 2017 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
SCI COMMS	WR	SPAWAR-2 : Charleston, SC	0.000	0.059	Nov 2015	0.199	Feb 2016	0.198	Nov 2016	-		0.198	0.000	0.456	-
SCI COMMS - IA Spt	C/FFP	NSWC : Dahlgren, MD	0.000	0.060	Nov 2015	0.000		0.000		-		0.000	0.000	0.060	-
TRSS	WR	SPAWAR-A2 : CHARLESTON SC	0.000	0.095	Nov 2014	0.100	Nov 2015	0.099	Dec 2016	-		0.099	Continuing	Continuing	Continuing
TSCS	C/FFP	SPAWAR88 : CHARLESTON, SC	0.000	0.187	Jul 2015	0.000		0.000		-		0.000	0.000	0.187	-
TSCS	C/FFP	MCSC7 : QUANTICO, VA	0.577	0.125	Jun 2015	0.000		0.000		-		0.000	Continuing	Continuing	Continuing
TSCS	WR	SPAWAR11 : CHARLESTON, SC	0.000	0.000		0.081	Dec 2015	0.172	Dec 2016	-		0.172	0.000	0.253	-
TSCS	Various	MCSC : QUANTICO, VA	0.070	0.031	Sep 2015	0.010	Sep 2016	0.030	Sep 2017	-		0.030	Continuing	Continuing	Continuing
TSCS	MIPR	DTIC : FT Belvoir, VA	0.000	0.118	Apr 2015	0.000		0.000		-		0.000	Continuing	Continuing	Continuing
TCAC	MIPR	DTIC : FT Belvoir, VA	0.611	0.000		0.900	Apr 2016	0.000		-		0.000	0.000	1.511	-
TCAC	WR	SPAWAR-P : San Diego, CA	2.281	1.287	Jan 2015	0.358	Oct 2015	0.664	Oct 2016	-		0.664	Continuing	Continuing	Continuing
TCAC	C/FFP	SPAWAR : CHARLESTON, SC	0.382	0.440	Jan 2015	0.137	Dec 2015	0.341	Dec 2016	-		0.341	Continuing	Continuing	Continuing
TCAC	WR	SPAWAR-A : CHARLESTON, SC	0.000	0.855	Dec 2014	0.265	Oct 2015	0.443	Oct 2016	-		0.443	Continuing	Continuing	Continuing
IAS	C/FFP	DTIC : CHARLESTON, SC	0.000	1.178	Jan 2015	0.551	Oct 2015	0.983	Oct 2016	-		0.983	0.000	2.712	-
CESAS	Various	MCSC9 : QUANTICO, VA	0.000	0.024	Sep 2015	0.025	Sep 2016	0.044	Sep 2017	-		0.044	Continuing	Continuing	Continuing
IBR	Various	VARIOUS : VARIOUS	0.000	0.000		0.100	Feb 2016	0.111	Dec 2016	-		0.111	Continuing	Continuing	Continuing
IBR	WR	NSWC5 : CRANE, IN	0.000	0.095	Jan 2015	0.000		0.000		-		0.000	Continuing	Continuing	Continuing

Exhibit R-3, RDT&E Project Cost Analysis: PB 2017 Navy			Date: February 2016
Appropriation/Budget Activity 1319 / 7	R-1 Program Element (Number/Name) PE 0206625M / *USMC Intelligence/ Electronics Warfare Sys*	Project (Number/Name) 2272 / *Intel Command and Control (C2) Sys*	

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2015 Cost	FY 2015 Award Date	FY 2016 Cost	FY 2016 Award Date	FY 2017 Base Cost	FY 2017 Base Award Date	FY 2017 OCO Cost	FY 2017 OCO Award Date	FY 2017 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
CIHEP	WR	SPAWAR-A : Charleston, SC	0.000	0.000		0.500	Nov 2015	0.692	Dec 2016	-		0.692	1.200	2.392	-
		Subtotal	4.071	5.071		3.226		3.777		-		3.777	-	-	-

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2015 Cost	FY 2015 Award Date	FY 2016 Cost	FY 2016 Award Date	FY 2017 Base Cost	FY 2017 Base Award Date	FY 2017 OCO Cost	FY 2017 OCO Award Date	FY 2017 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Prior Years Cumulative Funding	Various	Various : Various	6.959	0.000		0.000		0.000		-		0.000	0.000	6.959	-
CESAS	WR	SPAWAR : CHARLESTON, SC	1.023	0.051	Nov 2014	0.000		0.000		-		0.000	0.000	1.074	-
TSCS	WR	SPAWAR : CHARLESTON, SC	0.719	0.000		0.546	Dec 2015	1.418	Dec 2016	-		1.418	Continuing	Continuing	Continuing
		Subtotal	8.701	0.051		0.546		1.418		-		1.418	-	-	-

	Prior Years	FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	54.722	16.178		12.671		17.171		-		17.171	-	-	-

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2017 Navy		Date: February 2016
Appropriation/Budget Activity 1319 / 7	**R-1 Program Element (Number/Name)** PE 0206625M / *USMC Intelligence/ Electronics Warfare Sys*	**Project (Number/Name)** 2272 / *Intel Command and Control (C2) Sys*

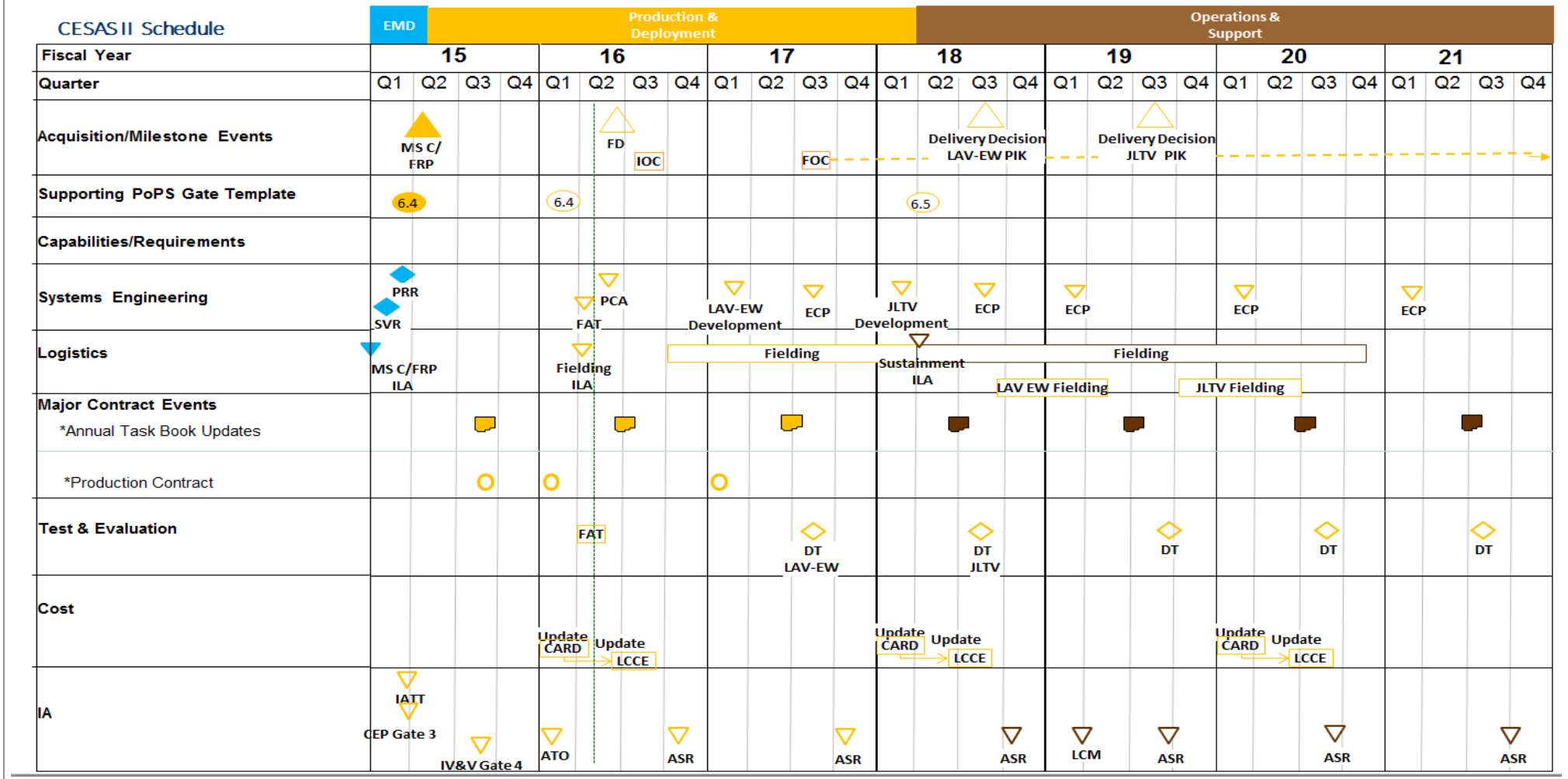


Exhibit R-4, RDT&E Schedule Profile: PB 2017 Navy		Date: February 2016
Appropriation/Budget Activity 1319 / 7	**R-1 Program Element (Number/Name)** PE 0206625M / *USMC Intelligence/ Electronics Warfare Sys*	**Project (Number/Name)** 2272 / *Intel Command and Control (C2) Sys*

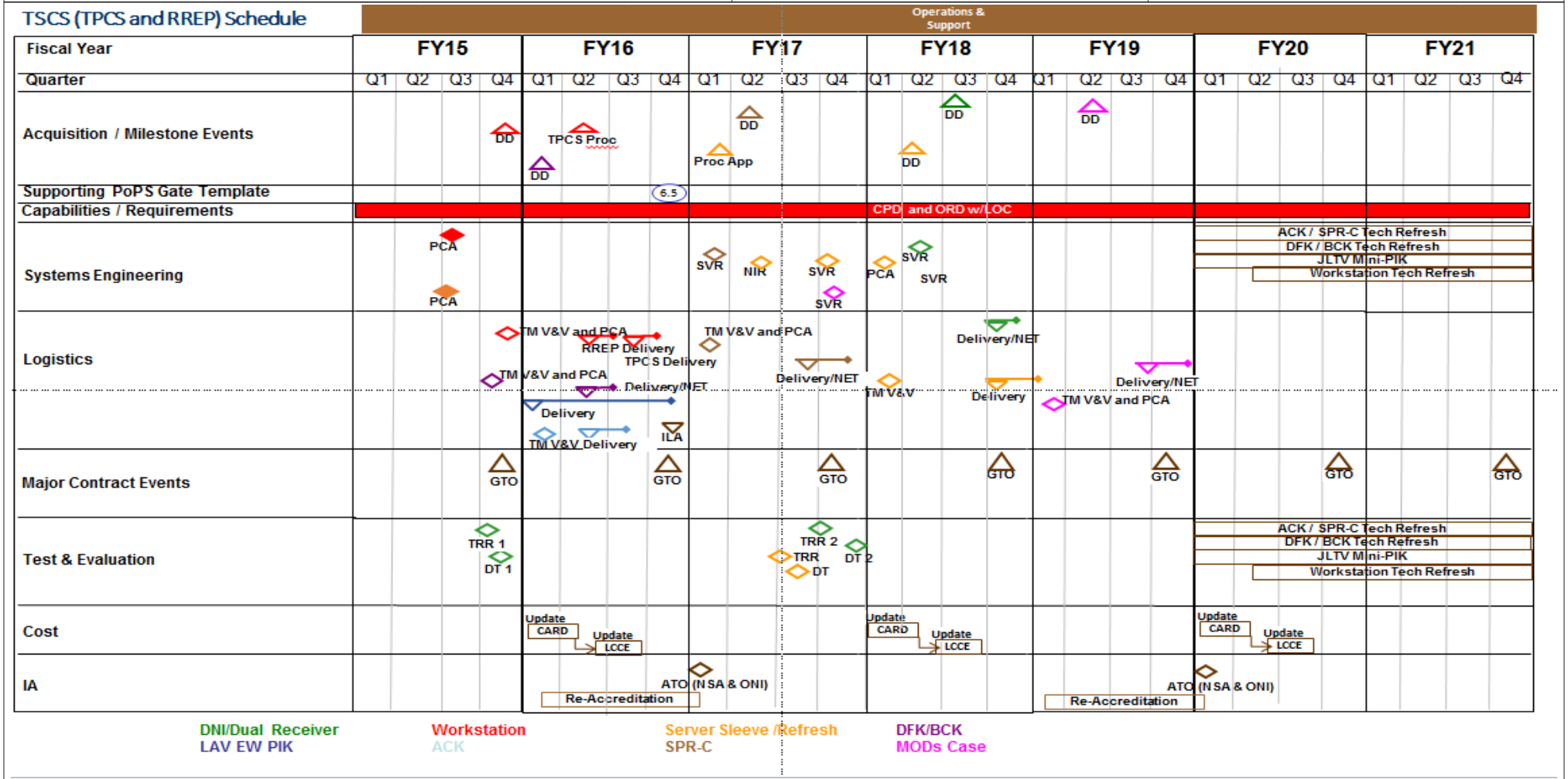


Exhibit R-4, RDT&E Schedule Profile: PB 2017 Navy		Date: February 2016
Appropriation/Budget Activity 1319 / 7	**R-1 Program Element (Number/Name)** PE 0206625M / *USMC Intelligence/ Electronics Warfare Sys*	**Project (Number/Name)** 2272 / *Intel Command and Control (C2) Sys*

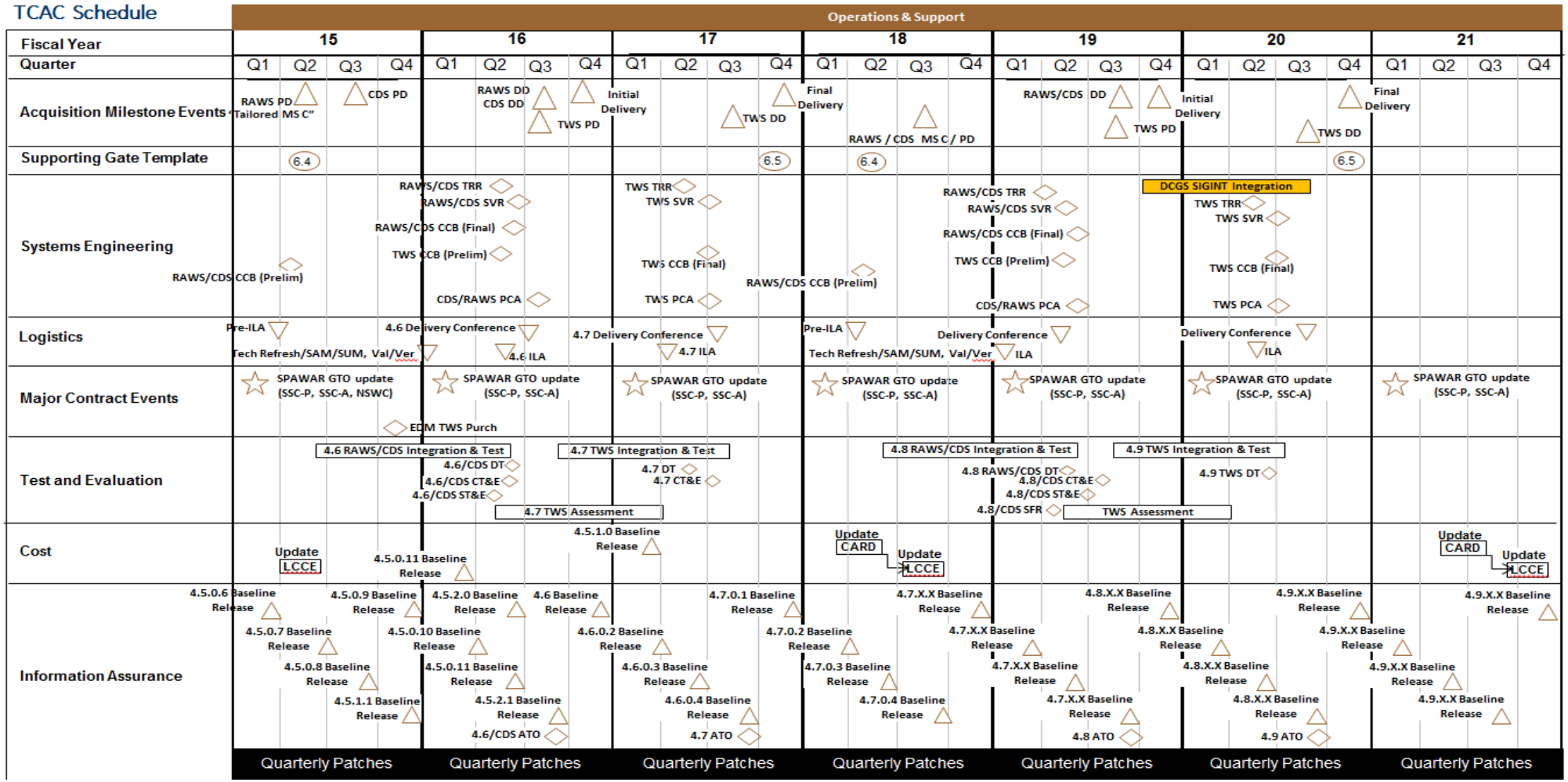


Exhibit R-4, RDT&E Schedule Profile: PB 2017 Navy		Date: February 2016
Appropriation/Budget Activity 1319 / 7	**R-1 Program Element (Number/Name)** PE 0206625M / *USMC Intelligence/ Electronics Warfare Sys*	**Project (Number/Name)** 2272 / *Intel Command and Control (C2) Sys*

CIHEP Program Schedule

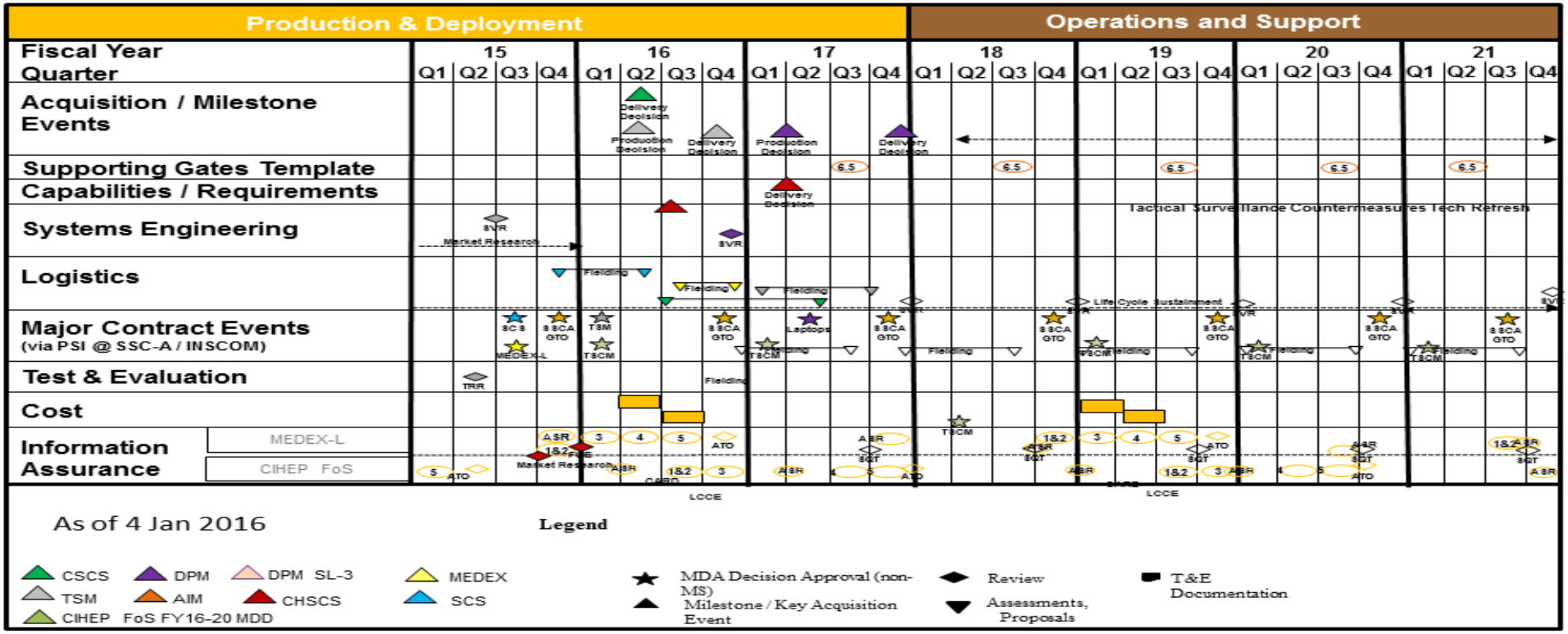


Exhibit R-4, RDT&E Schedule Profile: PB 2017 Navy		Date: February 2016
Appropriation/Budget Activity 1319 / 7	**R-1 Program Element (Number/Name)** PE 0206625M / *USMC Intelligence/ Electronics Warfare Sys*	**Project (Number/Name)** 2272 / *Intel Command and Control (C2) Sys*

TRSS SYSTEM of SYSTEMS

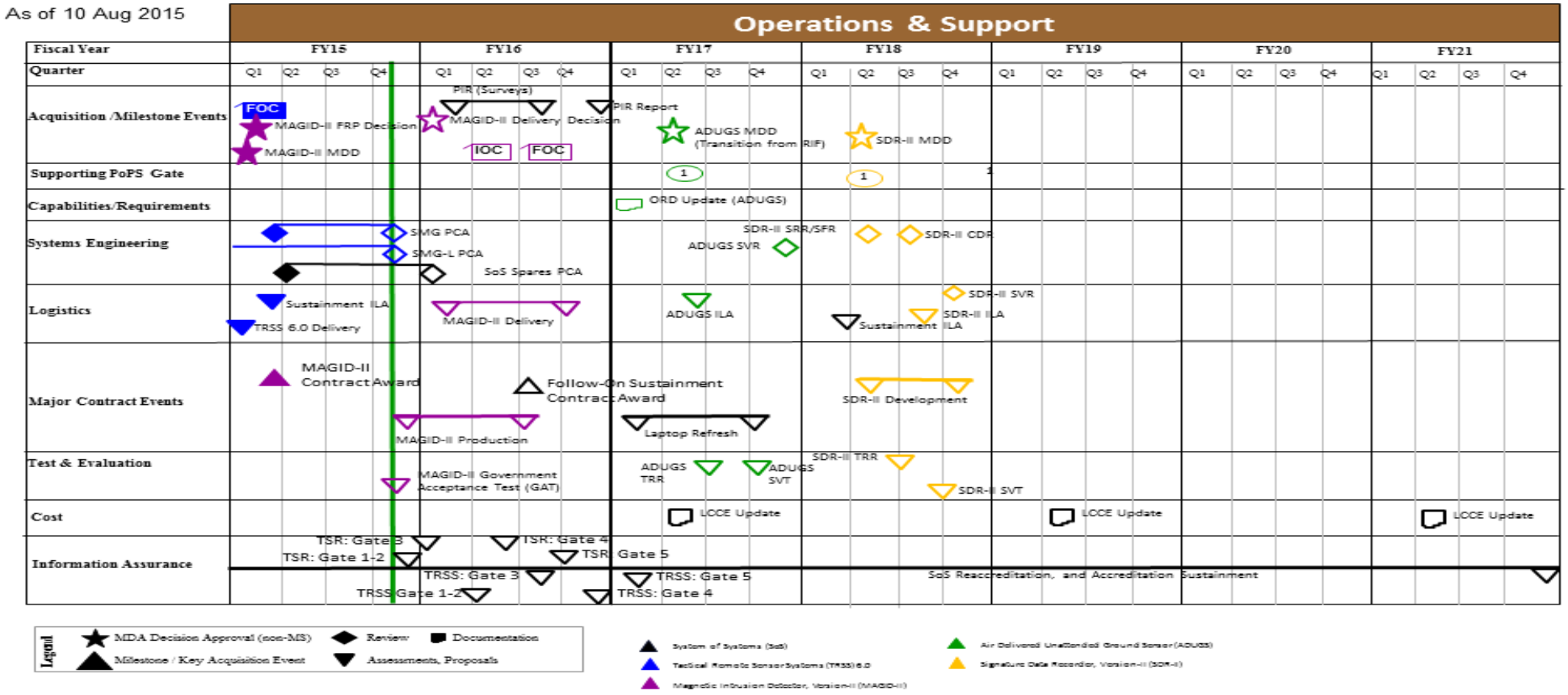
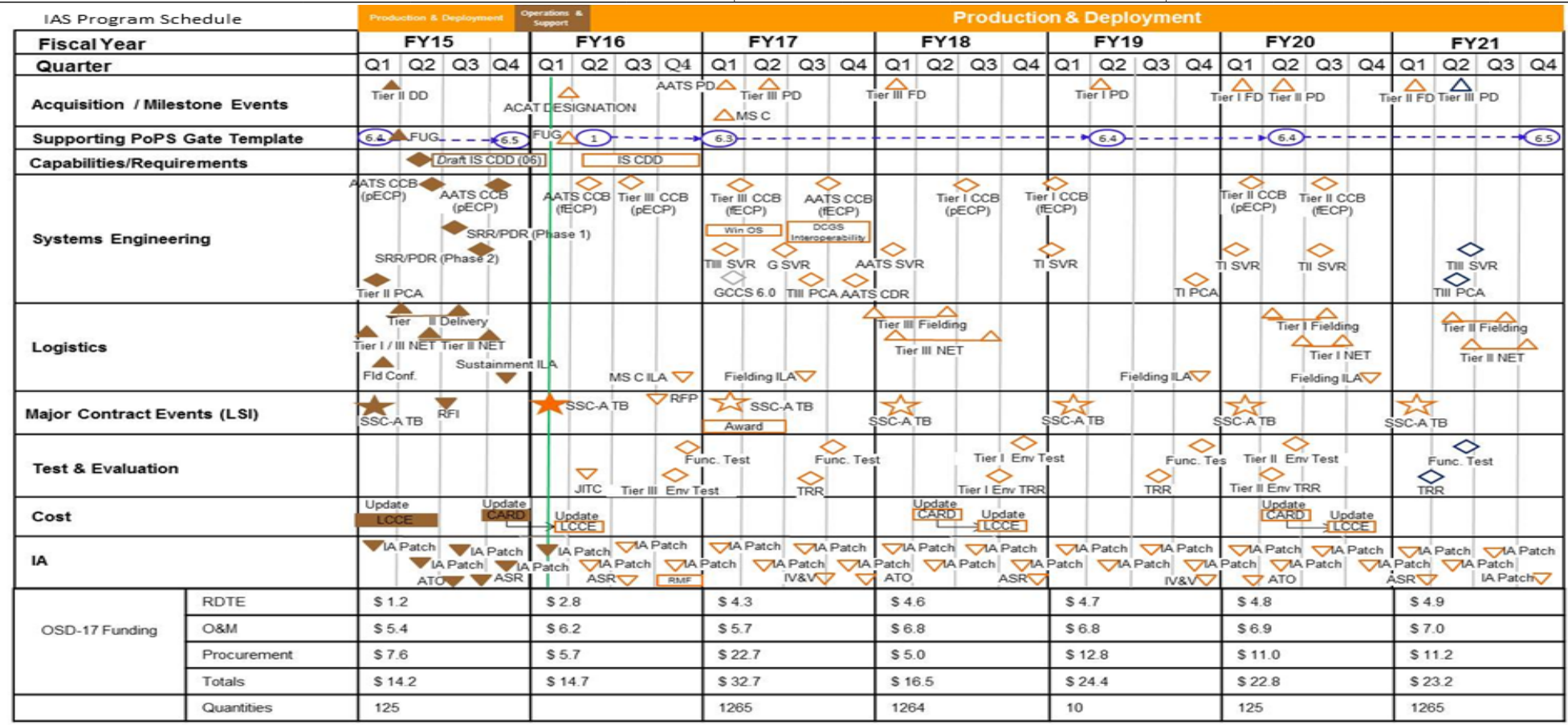


Exhibit R-4, RDT&E Schedule Profile: PB 2017 Navy		Date: February 2016
Appropriation/Budget Activity 1319 / 7	**R-1 Program Element (Number/Name)** PE 0206625M / *USMC Intelligence/ Electronics Warfare Sys*	**Project (Number/Name)** 2272 / *Intel Command and Control (C2) Sys*



OSD-17 Funding	RDTE	$ 1.2	$ 2.8	$ 4.3	$ 4.6	$ 4.7	$ 4.8	$ 4.9
	O&M	$ 5.4	$ 6.2	$ 5.7	$ 6.8	$ 6.8	$ 6.9	$ 7.0
	Procurement	$ 7.6	$ 5.7	$ 22.7	$ 5.0	$ 12.8	$ 11.0	$ 11.2
	Totals	$ 14.2	$ 14.7	$ 32.7	$ 16.5	$ 24.4	$ 22.8	$ 23.2
	Quantities	125		1265	1264	10	125	1265

Updated 1 December 2015

Exhibit R-4, RDT&E Schedule Profile: PB 2017 Navy		Date: February 2016
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SCI Comms FoS

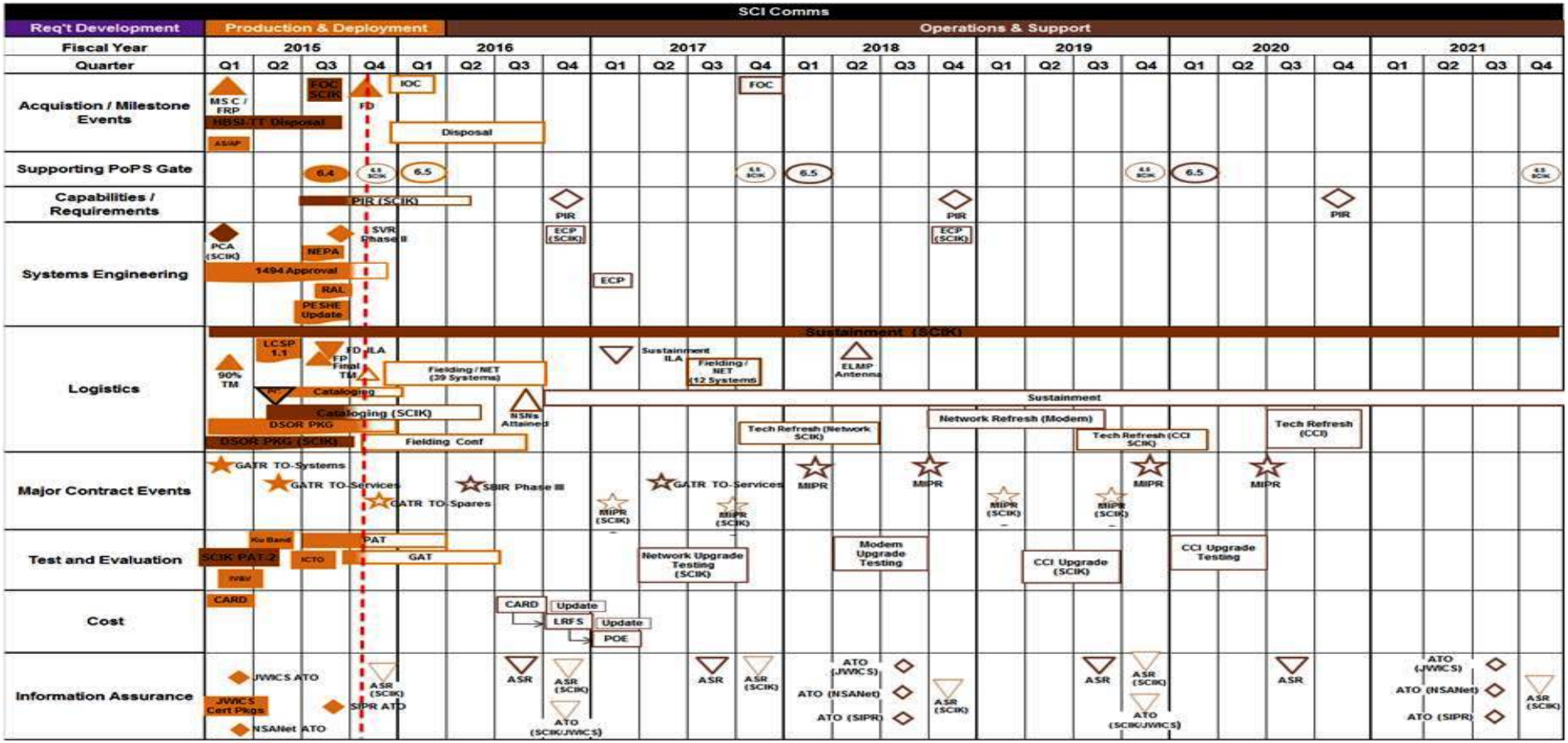

Exhibit R-4A, RDT&E Schedule Details: PB 2017 Navy		Date: February 2016
Appropriation/Budget Activity 1319 / 7	**R-1 Program Element (Number/Name)** PE 0206625M / *USMC Intelligence/ Electronics Warfare Sys*	**Project (Number/Name)** 2272 / *Intel Command and Control (C2) Sys*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Proj 2272				
TCAC RAWS Procurement Decision (HW/SW Server Refresh)	2	2015	2	2015
TCAC CDS Procurement Decision	3	2015	3	2015
TCAC CDS Delivery Decision	3	2016	3	2016
TCAC RAWS Fielding Decision (HW/SW Server Refresh)	3	2016	3	2016
TCAC TWS Procurement Decision (HW/SW Laptop Refresh)	3	2016	3	2016
TCAC TWS Fielding Decision (HW/SW Laptop Refresh)	3	2017	3	2017
IAS Tier II Fielding Decision	1	2015	1	2015
IAS Advance Analytics Production Decision	1	2017	1	2017
IAS Tier III Procurement Decision	2	2017	2	2017
IAS Tier III Fielding Decision	1	2018	1	2018
CESAS MS C/ FRP	2	2015	2	2015
CESAS IOC	3	2016	3	2016
CESAS Fielding Decision	2	2016	2	2016
CIHEP Full Rate Production Decision TSM	2	2016	2	2016
CIHEP Delivery Decision TSM	4	2016	4	2016
CIHEP Full Rate Prodcution Decision CHSCS	3	2016	3	2016
CIHEP Delivery Decision CSCS	2	2016	2	2016
CIHEP Delivery Decision CHSCS	1	2017	1	2021
CIHEP Full Rate Production Decision DPM	1	2017	1	2017
CIHEP Delivery Decision DPM	4	2017	4	2017
SCI COMMS MS C/FRP	1	2015	1	2015

Exhibit R-4A, RDT&E Schedule Details: PB 2017 Navy		Date: February 2016
Appropriation/Budget Activity 1319 / 7	**R-1 Program Element (Number/Name)** PE 0206625M / *USMC Intelligence/ Electronics Warfare Sys*	**Project (Number/Name)** 2272 / *Intel Command and Control (C2) Sys*

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
SCI COMMS Fielding Decision	4	2015	4	2015
SCI COMMS FOC (SCIK)	3	2015	3	2015
SCI COMMS IOC (HBSI PT)	1	2016	1	2016
TRSS Delivery Decision MAGID II	1	2016	1	2016
TSCS TPCS Initial Delivery (LAV EW PIK)	1	2016	1	2016
TSCS TPCS Final Delivery (TPCS Tech Refresh for DNI and Server Sleeves)	4	2018	1	2019
TSCS RREP Initial Delivery (Workstations)	2	2016	3	2016
TSCS RREP Initial Delivery (BCK/DFK)	2	2016	3	2016
TSCS TPCS Delivery (Workstations)	3	2016	4	2016

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