| Exhibit R-2, RDT&E Budget Item Justification: FY 2018 Navy | | | | | | | | | | | Date: May 2017 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Appropriation/Budget Activity<br>1319: *Research, Development, Test & Evaluation, Navy I* BA 7: *Operational Systems Development* | | | | | R-1 Program Element (Number/Name)<br>PE 0206625M *I USMC Intelligence/Electronics Warfare Sys* | | | | | | | |
| **COST ($ in Millions)** | **Prior Years** | **FY 2016** | **FY 2017** | **FY 2018 Base** | **FY 2018 OCO** | **FY 2018 Total** | **FY 2019** | **FY 2020** | **FY 2021** | **FY 2022** | **Cost To Complete** | **Total Cost** |
| Total Program Element | 70.795 | 13.373 | 24.187 | 30.886 | - | 30.886 | 33.131 | 29.504 | 32.250 | 26.445 | Continuing | Continuing |
| 2272: *Intel Command and Control (C2) Sys* | 70.795 | 13.373 | 24.187 | 30.886 | - | 30.886 | 33.131 | 29.504 | 32.250 | 26.445 | Continuing | Continuing |

**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 2016 | FY 2017 | FY 2018 Base | FY 2018 OCO | FY 2018 Total |
|---|---|---|---|---|---|
| Previous President's Budget | 12.671 | 17.171 | 19.548 | - | 19.548 |
| Current President's Budget | 13.373 | 24.187 | 30.886 | - | 30.886 |
| Total Adjustments | 0.702 | 7.016 | 11.338 | - | 11.338 |
| • Congressional General Reductions | - | - | | | |
| • Congressional Directed Reductions | - | - | | | |
| • Congressional Rescissions | - | - | | | |
| • Congressional Adds | - | - | | | |
| • Congressional Directed Transfers | - | - | | | |
| • Reprogrammings | 0.702 | 0.000 | | | |
| • SBIR/STTR Transfer | - | - | | | |
| • Program Adjustments | 0.000 | 7.016 | 10.973 | - | 10.973 |
| • Rate/Misc Adjustments | 0.000 | 0.000 | 0.365 | - | 0.365 |

**Change Summary Explanation**

Increase $11.3M in FY18 aligns funding profiles to the acquisition phase for the following programs: Communication Emitter Sensing and Attacking System (CESAS), Counter Intel Human Intel Equip (CIHEP). Ground Based Operational Surveillance System (GBOSS), MAGTF Secondary Imagery Dissemination System (MSIDS), Tactical Signal Intelligence (SIGINT) Collection System (TSCS), Intelligence Analysis System (IAS), Intelligence Broadcast Receiver (IBR), SCI Communications (SCI COMMS) and Tactical Exploitation of National Capabilities (TENCAP).

Increase $6.7M between FY17 and FY18 provides funding for the following major Intelligence Command and Control efforts: CESAS development of hardware/ software capability enhancements including Silk Thread; GBOSS sensor network development and testing; MSIDS data controller test and evaluation; TRSS test and evaluation of Signature Data Recorder, Hand Held Programmable Monitor and Common Sensor Radio; IAS integration, testing and evaluation of Distributed

| Exhibit R-2, RDT&E Budget Item Justification: FY 2018 Navy | Date: May 2017 |
|---|---|
| **Appropriation/Budget Activity**<br>1319: *Research, Development, Test & Evaluation, Navy I* BA 7: *Operational Systems Development* | **R-1 Program Element (Number/Name)**<br>PE 0206625M *I USMC Intelligence/Electronics Warfare Sys* |

Common Ground/Surface System (DCGS) Integrated Backbone into the IAS Family of Systems; IBR system integration and server producer capability; and TENCAP Rapid Reliable Targeting (RRT) capability and transition support.

| Exhibit R-2A, RDT&E Project Justification: FY 2018 Navy | | | | | | | | | | | Date: May 2017 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Appropriation/Budget Activity<br>1319 / 7 | | | | | R-1 Program Element (Number/Name)<br>PE 0206625M / *USMC Intelligence/ Electronics Warfare Sys* | | | | Project (Number/Name)<br>2272 / *Intel Command and Control (C2) Sys* | | | |
| **COST ($ in Millions)** | **Prior Years** | **FY 2016** | **FY 2017** | **FY 2018 Base** | **FY 2018 OCO** | **FY 2018 Total** | **FY 2019** | **FY 2020** | **FY 2021** | **FY 2022** | **Cost To Complete** | **Total Cost** |
| 2272: *Intel Command and Control (C2) Sys* | 70.795 | 13.373 | 24.187 | 30.886 | - | 30.886 | 33.131 | 29.504 | 32.250 | 26.445 | 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) is the sole USMC high power, man-packable, and ground mobile Electronic Attack (EA) asset. CESAS supports the Marine Air-Ground Task Force (MAGTF) commander in the execution of his EW operations and Information Operations, by detecting, denying, and disrupting hostile communication emitters across a broad range of communication frequencies. 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 EA while on the move or in a stationary position, thus optimizing the Commander's ability to employ this asset for the greatest success of the mission.

Counter Intelligence and Human Intelligence (CI/HUMINT) Equipment Program (CIHEP) provides each Marine Counterintelligence/Human Intelligence (CI/HUMINT) Company within the Marine Corps Intelligence, Surveillance, and Reconnaissance Enterprise (MCISRE) with an integrated, standardized, and interoperable suite of information and communication systems. The CIHEP program encompasses this specialized equipment that is lightweight, modular, and tailorable, in deployable packages to conduct full spectrum, tactical CI and HUMINT activities, to include Technical Surveillance Countermeasures (TSCM) operations. TSCM operations use techniques to detect, neutralize, and exploit technical surveillance technologies and hazards that permit the unauthorized access to or removal of information. CI/HUMINT elements are generally task-organized in support of a Marine Air-Ground Task Force or other supported commanders, providing them the capability to rapidly collect, process, and disseminate counterintelligence and human intelligence information in support of military planning and operations. CIHEP is comprised of ten modules of commercial and government off the-shelf equipment. Different components are selected for refresh each year in order to maintain current capabilities and ensure interoperability and standardization with related systems. This results in an equipment suite that enhances the operating force's CI/HUMINT capabilities, while maintaining interoperability within the USMC and joint CI/HUMINT communities. The modularity of the CIHEP program allows Marines to perform a variety of missions in support of commanders, while carrying only those items necessary to accomplish the mission. CIHEP provides state- of-the-art mission critical information protection capabilities, as well as the ability to detect, identify, and locate specific technical threats.

| Exhibit R-2A, RDT&E Project Justification: FY 2018 Navy | | Date: May 2017 |
|---|---|---|
| **Appropriation/Budget Activity**<br>1319 / 7 | **R-1 Program Element (Number/Name)**<br>PE 0206625M / *USMC Intelligence/ Electronics Warfare Sys* | **Project (Number/Name)**<br>2272 / *Intel Command and Control (C2) Sys* |

Ground-Based Operational Surveillance System (G-BOSS) is an expeditionary, ground-based, self-contained, multi-spectral sensor-oriented, persistent surveillance system used to observe, collect, detect, identify, classify, track, and report on contacts, objects of interest, and assessed threats twenty-four hours a day utilizing a fused video and sensor data display. System variants will allow mobility, transportability, scalability and modularity, and will be capable of independent employment or as part of a network. All G-BOSS variants may be integrated into mutually supporting, closed networks. The G-BOSS variants are: G-BOSS Light (GBL): A tripod-mounted variant that provides short-range surveillance support. It is employed when surveillance support is required, but location and operational requirements are impractical to employ either of the two other variants. G-BOSS Medium (GBM): A trailer-mounted variant that provides longer range surveillance and is transported using a light trailer and tactical vehicle while in support of mobile combat operations, convoy security, temporary security operations, etc. G-BOSS Heavy (GBH): The 80-foot tall tower configuration, Heavy variant provides surveillance support of a more permanent nature. It is employed when operations are static, displacements are few, and longer surveillance ranges are desired.

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 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 Programmable Monitors (HHPM). 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) 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 parity with the adversary. The increase of $2.829M from FY17 to FY18 reflects increased development, testing, and evaluation of advanced SIGINT cyber technology.

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|---|---|---|
| **Appropriation/Budget Activity**<br>1319 / 7 | **R-1 Program Element (Number/Name)**<br>PE 0206625M / *USMC Intelligence/ Electronics Warfare Sys* | **Project (Number/Name)**<br>2272 / *Intel Command and Control (C2) Sys* |

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.

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.

Technical Control Analysis Center (TCAC) Family of Systems (FoS) consists of the AN/UYQ-83 TCAC Remote Analysis Workstation (RAWS), AN/MYQ-9 TCAC Transportable Workstation, and Cross Domain Solution (CDS), and 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 signals, and 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 tactical SIGINT/EW assets, the Intelligence Analysis System (IAS) and national databases. TCAC also enables the transfer of USMC tactical SIGINT collection and analytical data into the Real-Time Regional Gateway (RT-RG) and into the Distributed Common Ground System - Marine Corps (DCGS-MC). The system provides ground processing of Electronic Warfare (EW) information, including Electronic Warfare Support (EWS) and Electronic Attack (EA) data collected by the RADBN and WMAQ-EA-6B aircraft. The system is capable of correlating, fusing, and evaluating radar emitter identification and location data from the EA-6B with other National and theater sources.

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.

The Intelligence Broadcast Receiver (IBR) acquisition program is a family of terminals that conform to the Department of Defense (DoD) Integrated Broadcast Service (IBS) objectives of interoperability and commonality to receive and process near-real time multi-intelligence data. The IBR family of terminals provide Marine Air-Ground Task Force (MAGTF) Commanders with the only direct access to IBS data via Ultra High Frequency (UHF) Satellite Communications (SATCOM) broadcast channels. The IBR program is an evolving, multi-Service architecture designed to keep pace with Commanders' targeting and information requirements and conforms to the Department of Defense Integrated Broadcast Service (IBS) objectives of interoperability and commonality, which is currently accomplished using the Universal Serial Bus (USB) Embedded National Tactical Receiver (ENTR). The ENTR Version 4 (V4) will supplement and replace the USB ENTR which is no longer in production. The ENTR V4 provides a 50% weight reduction and doubles the life expectancy of the battery compared to the USB ENTR. The IBR family of terminals receive Blue Force Tracker data, which is a key element in developing and maintaining situational awareness as it relates to the common threat/common operating picture. The IBR provides NRT strategic, theater, and tactical sensor-to-shooter connectivity as well as NRT Theater Missile Defense indications and warnings. Additionally, the IBR provides connectivity to IBS Common Interactive Broadcast and IBS Alternative Path.

| Exhibit R-2A, RDT&E Project Justification: FY 2018 Navy | | Date: May 2017 |
|---|---|---|
| **Appropriation/Budget Activity**<br>1319 / 7 | **R-1 Program Element (Number/Name)**<br>PE 0206625M / *USMC Intelligence/ Electronics Warfare Sys* | **Project (Number/Name)**<br>2272 / *Intel Command and Control (C2) Sys* |

Intelligence Equipment Readiness (IER) project provides a responsive capability to alleviate Marine Corps Intelligence, Surveillance, and Reconnaissance Enterprise (MCISRE) systems shortfalls as a result of rapidly evolving missions and threats associated with overseas contingency operations (OCO) and expeditionary military, humanitarian assistance, and disaster relief operations. IER's primary effort is the horizontal integration of Marine Corps intelligence systems to achieve interoperability and integration into the Distributed Common Ground/Surface System-MC (DCGS-MC) framework.

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.

Joint Worldwide Intelligence Communications System (JWICS) is the Top Secret Sensitive Compartmented Information (TS/SCI) portion of the Defense Information System Network. It incorporates advanced networking technologies that permit point-to-point or multi-point information exchange involving voice, text, graphics, data and video teleconferencing within the Department of Defense (DoD) Intelligence Community. JWICS provides Marine Forces with special intelligence that significantly enhances the detail and quality of intelligence support that intelligence organizations provide to operating forces.

| B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each) | FY 2016 | FY 2017 | FY 2018 Base | FY 2018 OCO | FY 2018 Total |
|---|---|---|---|---|---|
| ***Title:*** *Communication Emitter Sensing and Attacking System (CESAS): Product Development | 0.475 | 0.484 | 3.294 | 0.000 | 3.294 |
| ***Articles:*** | - | - | - | - | - |
| ***Description:*** Communication Emitter Sensing and Attacking System (CESAS): Increase of $2.818M from FY17 to FY18 will initiate planning to transition Silk Thread advanced digital payload/electronic warfare technology and provide program support for required hardware/software modifications to CESAS II/Radio Reconnaissance Equipment Man Packable Electronic Attack System (RREMPEAS) and hardware modifications to HMMWV PIK to enhance capability via Engineering Change Proposals (ECPs). | | | | | |
| ***FY 2016 Accomplishments:***<br>- Initiated development of required modifications for CESAS II. | | | | | |
| ***FY 2017 Plans:*** | | | | | |

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| **Appropriation/Budget Activity**<br>1319 / 7 | **R-1 Program Element (Number/Name)**<br>PE 0206625M / *USMC Intelligence/ Electronics Warfare Sys* | **Project (Number/Name)**<br>2272 / *Intel Command and Control (C2) Sys* |

| B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each) | FY 2016 | FY 2017 | FY 2018 Base | FY 2018 OCO | FY 2018 Total |
|---|---|---|---|---|---|
| - Initiate development of Light Armored Vehicle Electronic Warfare (LAV-EW) Platform Integration Kit (PIK) and Engineering Change Proposals (ECPs).<br>***FY 2018 Base Plans:***<br>-Initiate planning to transition Silk Thread advanced digital payload/electronic warfare technology. Provide required hardware/software modifications to CESAS II/RREMPEAS and hardware modifications to HMMWV PIK to enhance capability via ECPs. Initiate hardware/software capability enhancements including Silk Thread.<br>***FY 2018 OCO Plans:***<br>N/A | | | | | |
| ***Title:*** *Communication Emitter Sensing and Attacking System (CESAS): Support<br>***Articles:***<br>***FY 2016 Accomplishments:***<br>Continued to provided program support for required modifications to CESAS II.<br>***FY 2017 Plans:***<br>Continue to provide program support for required modifications to LAV-EW PIK.<br>***FY 2018 Base Plans:***<br>Continue to provide program support for required modifications to CESAS II/RREMPEAS/HMMWV PIK.<br>***FY 2018 OCO Plans:***<br>N/A | 0.030<br>- | 0.017<br>- | 0.025<br>- | 0.000<br>- | 0.025<br>- |
| ***Title:*** *Counterintel and Human Intel Equip (CIHEP): Test and Evaluation<br>***Articles:***<br>***Description:*** Counterintel and Human Intel Equip (CIHEP): Decrease of $0.367M from FY17 to FY18 reflects completion of sensor software consolidation effort.<br>***FY 2016 Accomplishments:***<br>- Continued to provided engineering, integration and technical support required for CIHEP hardware and software refresh.<br>- Initiated and provided interoperability between refreshed CIHEP Family of Systems components, to include Data Processing Module, Advanced Imagery Module, and Technical Surveillance Module.<br>***FY 2017 Plans:*** | 0.490<br>- | 0.692<br>- | 0.325<br>- | 0.000<br>- | 0.325<br>- |

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| B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each) | FY 2016 | FY 2017 | FY 2018 Base | FY 2018 OCO | FY 2018 Total |
|---|---|---|---|---|---|
| - Continue interoperability efforts between CIHEP Family of Systems components and other Intelligence systems in compatable technology baseline to reduce future costs.<br>- Continue to provide engineering, integration and technical support required for Commercial SATCOM Set upgrades and CIHEP and TRSS sensor software consolidation.<br>***FY 2018 Base Plans:***<br>- Continue to provide engineering, integration and technical support required for planned CIHEP modernization of the TSCM (Tactical Surveillance Counter Measures) equipment and CIHEP Family of Systems (FOS).<br>***FY 2018 OCO Plans:***<br>N/A | | | | | |
| ***Title:*** *Intelligence Analysis System (IAS): Product Development | 1.765 | 2.981 | 4.862 | 0.000 | 4.862 |
| ***Articles:*** | - | - | - | - | - |
| ***Description:*** Intelligence Analysis System (IAS): Increase of $2.576M from FY17 to FY18 supports the implementation of Distributed Common Ground/Surface System Integrated Backbone capability within the IAS Family of Systems (FoS), in order to ingest and publish Marine Corps Intelligence products directly to the greater Intelligence Community.<br>***FY 2016 Accomplishments:***<br>- Initiated integration, system testing, and evaluation of advanced analytic technologies into the Intelligence Analysis System (IAS) Family of Systems (FoS).<br>- Initiated market research, evaluation and development of advanced analytics for transition into the IAS FoS.<br>- Initiated integration, system testing, and evaluation of Windows 10 Operating System, software enhancements and new<br>Intelligence Workstation hardware into the IAS FoS.<br>***FY 2017 Plans:***<br>- Continue integration, system testing, and evaluation of advanced analytic technologies into the Intelligence Analysis<br>System (IAS) Family of Systems (FoS).<br>- Continue integration, system testing, and evaluation of Windows 10 Operating System, software enhancements, capability enhancement (such as the Universal Serial Bus Embedded National Tactical Receiver) and new Intelligence Workstation hardware into the IAS FoS. | | | | | |

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| **Appropriation/Budget Activity**<br>1319 / 7 | **R-1 Program Element (Number/Name)**<br>PE 0206625M / *USMC Intelligence/ Electronics Warfare Sys* | **Project (Number/Name)**<br>2272 / *Intel Command and Control (C2) Sys* |

| B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each) | FY 2016 | FY 2017 | FY 2018 Base | FY 2018 OCO | FY 2018 Total |
|---|---|---|---|---|---|
| -Initiate integration, system testing, and evaluation of the Global Command & Control System - Joint (GCCS-J) 6.0 into the IAS FoS.<br>***FY 2018 Base Plans:***<br>- Continue integration, system testing, and evaluation of advanced analytic technologies into the Intelligence Analysis<br>System (IAS) Family of Systems (FoS).<br>- Initiate integration, system testing, and evaluation of Intelligence Servers into the IAS FoS.<br>- Initiate integration, system testing, and evaluation of DCGS Integrated Backbone into the IAS FoS.<br>***FY 2018 OCO Plans:***<br>N/A | | | | | |
| ***Title:*** Intelligence Analysis System (IAS): Test and Evaluation<br>***Articles:***<br>***FY 2016 Accomplishments:***<br>N/A<br>***FY 2017 Plans:***<br>- Continue support for integration and testing of advanced analytic tools into the IAS FoS software baseline.<br>- Continue support for integration and testing of Windows 10 Operating System, software enhancements and new Intelligence Workstation hardware into the IAS FoS.<br>- Initiate support for integration and testing of GCS-J 6.0 in the IAS FoS.<br>***FY 2018 Base Plans:***<br>- Continue support for integration of advanced analytics tools into the IAS FoS software baseline.<br>- Initiate support for integration and testing of Intelligence Servers into the IAS FoS.<br>- Initiate integration, system testing, and evaluation of DCGS Integrated Backbone into the IAS FoS.<br>***FY 2018 OCO Plans:***<br>N/A | 0.000<br>- | 0.299<br>- | 0.961<br>- | 0.000<br>- | 0.961<br>- |
| ***Title:*** *Intelligence Analysis System (IAS): Support<br>***Articles:***<br>***FY 2016 Accomplishments:*** | 0.569<br>- | 0.933<br>- | 0.966<br>- | 0.000<br>- | 0.966<br>- |

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| **Appropriation/Budget Activity**<br>1319 / 7 | **R-1 Program Element (Number/Name)**<br>PE 0206625M / *USMC Intelligence/ Electronics Warfare Sys* | **Project (Number/Name)**<br>2272 / *Intel Command and Control (C2) Sys* |

| B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each) | FY 2016 | FY 2017 | FY 2018 Base | FY 2018 OCO | FY 2018 Total |
|---|---|---|---|---|---|
| - Continued program management support for integration of advanced analytics tools into the IAS FoS software baseline.<br>- Initiated program management support for integration and testing of Windows 10 Operating System, software enhancements and new Intelligence Workstation hardware into the IAS FoS.<br>***FY 2017 Plans:***<br>- Continue program management support for integration of advanced analytic tools into the IAS FoS software baseline.<br>- Continue program management support for integration and testing of Windows 10 Operating System, software enhancements and new Intelligence Workstation hardware into the IAS FoS.<br>- Initiate program management support for integration and testing of GCCS-J 6.0 in the IAS FoS.<br>***FY 2018 Base Plans:***<br>- Continue program management support for integration of advanced analytics tools into the IAS FoS software baseline.<br>- Initiate program management support for integration and testing of Intelligence Servers into the IAS FoS.<br>- Initiate integration, system testing, and evaluation of DCGS Integrated Backbone into the IAS FoS.<br>***FY 2018 OCO Plans:***<br>N/A | | | | | |
| ***Title:*** *Intelligence Broadcast Receiver (IBR): Product Development<br>***Articles:*** | 0.100<br>- | 0.111<br>- | 0.474<br>- | 0.000<br>- | 0.474<br>- |
| ***Description:*** Intelligence Broadcast Receiver (IBR): Increase $363K from FY17 to FY18 supports Networking-On-The-Move (NOTM) integration and IBS server producer capability.<br>***FY 2016 Accomplishments:***<br>- Continued required interoperability software testing support for Joint Integration Test Command certification for Tactical Receive Segment (TRS).<br>***FY 2017 Plans:***<br>- Continuesrequired interoperability software testing support for Joint Integration Test Command certification for Tactical Receive Segment (TRS).<br>***FY 2018 Base Plans:*** | | | | | |

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|---|---|---|
| **Appropriation/Budget Activity**<br>1319 / 7 | **R-1 Program Element (Number/Name)**<br>PE 0206625M / *USMC Intelligence/ Electronics Warfare Sys* | **Project (Number/Name)**<br>2272 / *Intel Command and Control (C2) Sys* |

| B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each) | FY 2016 | FY 2017 | FY 2018 Base | FY 2018 OCO | FY 2018 Total |
|---|---|---|---|---|---|
| - Continue required interoperability software testing support for Joint Integration Test Command certification for Tactical Receive Segment (TRS).<br>- Initiate the Networking-On-The-Move (NOTM) integration and Integrated Broadcast System (IBS) server producer capability.<br>***FY 2018 OCO Plans:***<br>N/A | | | | | |
| ***Title:*** *SCI COMMS: Product Development<br>***Articles:***<br>***Description:*** Sensitive Compartmented Information Communications (SCI COMMS): Increase of $0.153M from FY17 to FY18 supports test and evaluation activities associated with product improvement.<br>***FY 2016 Accomplishments:***<br>- Initiated maintenance of dedicated test and evaluation assets.<br>***FY 2017 Plans:***<br>- Continue maintenance of dedicated test and evaluation assets.<br>***FY 2018 Base Plans:***<br>- Initiate efforts to procure new test assets, such as controlled cryptographic items, to support security-based product improvements and ECPs.<br>***FY 2018 OCO Plans:***<br>N/A | 0.073<br>- | 0.076<br>- | 0.168<br>- | 0.000<br>- | 0.168<br>- |
| ***Title:*** *SCI COMMS: Support<br>***Articles:***<br>***FY 2016 Accomplishments:***<br>- Initiated development of Engineering Change Proposal (ECP) to support the network refresh security-based product improvement<br>***FY 2017 Plans:***<br>- Continue development of Engineering Change Proposals for network refresh.<br>***FY 2018 Base Plans:*** | 0.126<br>- | 0.122<br>- | 0.110<br>- | 0.000<br>- | 0.110<br>- |

| Exhibit R-2A, RDT&E Project Justification: FY 2018 Navy | | Date: May 2017 |
|---|---|---|
| **Appropriation/Budget Activity**<br>1319 / 7 | **R-1 Program Element (Number/Name)**<br>PE 0206625M / *USMC Intelligence/ Electronics Warfare Sys* | **Project (Number/Name)**<br>2272 / *Intel Command and Control (C2) Sys* |

| B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each) | FY 2016 | FY 2017 | FY 2018 Base | FY 2018 OCO | FY 2018 Total |
|---|---|---|---|---|---|
| - Continue development of ECPs for end-of-life/end-of-sale equipment and modernization efforts.<br>***FY 2018 OCO Plans:***<br>N/A | | | | | |
| ***Title:*** *SCI COMMS: Test and Evaluation<br>***Articles:***<br>***FY 2016 Accomplishments:***<br>N/A<br>***FY 2017 Plans:***<br>N/A<br>***FY 2018 Base Plans:***<br>- Initiate test and evaluation efforts which support engineering change proposals (ECPs) such as cryptographic item refresh.<br>***FY 2018 OCO Plans:***<br>N/A | 0.000<br>- | 0.000<br>- | 0.073<br>- | 0.000<br>- | 0.073<br>- |
| ***Title:*** *Tactical Exploitation of National Capabilities (TENCAP): Product Development & Technical Assessments<br>***Articles:***<br>***Description:*** Tactical Exploitation of National Capabilities (TENCAP): Increase of $1.702M from FY17 to FY18 supports Rapid Reliable Targeting (RRT) capability and transition.<br>***FY 2016 Accomplishments:***<br>- Continued to conduct research and development, advanced technology demonstrations, and integration of emerging technologies into the Marine Corps Intelligence, Surveillance, and Reconnaissance Enterprise (MCISRE).<br>- Continued 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.<br>- Continued to provide technical assessments and field utility evaluations for the integration of current and emerging intelligence capabilities into the tactical decision making process. | 4.520<br>- | 4.746<br>- | 6.448<br>- | 0.000<br>- | 6.448<br>- |

| Exhibit R-2A, RDT&E Project Justification: FY 2018 Navy | | Date: May 2017 |
|---|---|---|
| **Appropriation/Budget Activity**<br>1319 / 7 | **R-1 Program Element (Number/Name)**<br>PE 0206625M / *USMC Intelligence/ Electronics Warfare Sys* | **Project (Number/Name)**<br>2272 / *Intel Command and Control (C2) Sys* |

| B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each) | FY 2016 | FY 2017 | FY 2018 Base | FY 2018 OCO | FY 2018 Total |
|---|---|---|---|---|---|
| - Continued to support operational planning and enhance operating force capabilities through the identification and development of advanced technologies for the MCISRE architecture.<br>- Continued training and education efforts by providing the operating forces with supported simulation, visualization, and improved mission planning capabilities.<br>***FY 2017 Plans:***<br>- Continue to conduct research and development, advanced technology demonstrations, and integration of emerging technologies into the Marine Corps Intelligence, Surveillance, and Reconnaissance Enterprise (MCISRE).<br>- 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.<br>- Continue to provide technical assessments and field utility evaluations for the integration of current and emerging intelligence capabilities into the tactical decision making process.<br>- Continue to support operational planning and enhance operating force capabilities through the identification and development of advanced technologies for the MCISRE architecture.<br>- Continue training and education efforts by providing the operating forces with supported simulation, visualization, and improved mission planning capabilities.<br>- Continue development of advanced technologies for the MCISRE architecture. Supporting MCISRE MVP development and transition into the tactical environment.<br>***FY 2018 Base Plans:***<br>- Continue to conduct research and development, advanced technology demonstrations, and integration of emerging technologies into the Marine Corps Intelligence, Surveillance, and Reconnaissance Enterprise (MCISRE).<br>- 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.<br>- Continue to provide technical assessments and field utility evaluations for the integration of current and emerging intelligence capabilities into the tactical decision making process.<br>- Continue to support operational planning and enhance operating force capabilities through the identification and development of advanced technologies for the MCISRE architecture. | | | | | |

| Exhibit R-2A, RDT&E Project Justification: FY 2018 Navy | | Date: May 2017 |
|---|---|---|
| **Appropriation/Budget Activity**<br>1319 / 7 | **R-1 Program Element (Number/Name)**<br>PE 0206625M / *USMC Intelligence/ Electronics Warfare Sys* | **Project (Number/Name)**<br>2272 / *Intel Command and Control (C2) Sys* |

| B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each) | FY 2016 | FY 2017 | FY 2018 Base | FY 2018 OCO | FY 2018 Total |
|---|---|---|---|---|---|
| - Continue training and education efforts by providing the operating forces with supported simulation, visualization, and improved mission planning capabilities.<br>- Initiate efforts to provide transition support to Rapid Reliable Targeting (RRT).<br>- Initiate efforts for the development of Process, Exploitation, and Dissemination (PED) capability to the Command Level Intelligence Cell (CLIC)<br>***FY 2018 OCO Plans:***<br>N/A | | | | | |
| ***Title:*** *MAGTF Secondary Imagery Dissemination System (MSIDS): Test and Evaluation<br>***Articles:***<br>***Description:*** MAGTF Secondary Imagery Dissemination System (MSIDS): Increase of $0.171M from FY17 to FY18 supports test and evaluation effort for Base Station and Outstation data controllers to improve data throughput.<br>***FY 2016 Accomplishments:***<br>-N/A<br>***FY 2017 Plans:***<br>-N/A<br>***FY 2018 Base Plans:***<br>-Initiate test and evaluation effort for Base Station and Outstation data controllers to improve data throughout for compatibility with a new organic tactical radio waveform.<br>***FY 2018 OCO Plans:***<br>N/A | 0.000<br>- | 0.000<br>- | 0.171<br>- | 0.000<br>- | 0.171<br>- |
| ***Title:*** *Tactical Remote Sensor System (TRSS): Test and Evaluation<br>***Articles:***<br>***FY 2016 Accomplishments:***<br>N/A<br>***FY 2017 Plans:***<br>N/A<br>***FY 2018 Base Plans:*** | 0.000<br>- | 0.000<br>- | 0.802<br>- | 0.000<br>- | 0.802<br>- |

| Exhibit R-2A, RDT&E Project Justification: FY 2018 Navy | | Date: May 2017 |
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| **Appropriation/Budget Activity**<br>1319 / 7 | **R-1 Program Element (Number/Name)**<br>PE 0206625M / *USMC Intelligence/ Electronics Warfare Sys* | **Project (Number/Name)**<br>2272 / *Intel Command and Control (C2) Sys* |

| B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each) | FY 2016 | FY 2017 | FY 2018 Base | FY 2018 OCO | FY 2018 Total |
|---|---|---|---|---|---|
| Will initiate engineering efforts to determine the acceptability of the Signature Data Recorder (SDR),Hand Held Programmable Monitor (HHPM) and Common Sensor Radio (CSR) to include hardware and software testing<br>***FY 2018 OCO Plans:***<br>N/A | | | | | |
| ***Title:*** *Tactical Remote Sensor System (TRSS): Product Development<br>***Articles:***<br>***Description:*** Tactical Remote Sensor System (TRSS)Program: Increase of $.903M from FY17 to FY18 supports test and evaluation of the Signature Data Recorder, Hand-Held Programmable Monitor and Common Sensor Radio.<br>***FY 2016 Accomplishments:***<br>- Continued providing engineering and technical management support required for developing critical upgrades to TRSS systems.<br>***FY 2017 Plans:***<br>- Continue engineering and technical management support required for developing critical upgrades to TRSS systems, such as software changes to properly receive, parse, and display messages from systems with improved radios as well as interface directly with these systems to program them.<br>***FY 2018 Base Plans:***<br>- Continue development of software changes to properly receive, parse, and display messages from systems with improved radios as well as interface directly with these systems to program them. Will initiate development of hardware and software to replace obsolete Hand Held Programmable Monitors (HHPM) which will be utilized to configure and monitor the operation of the sensor network.<br>***FY 2018 OCO Plans:***<br>N/A | 0.100<br>- | 0.099<br>- | 0.200<br>- | 0.000<br>- | 0.200<br>- |
| ***Title:*** *Tactical Signal Intelligence (SIGINT) Collection System (TSCS): Product Development<br>***Articles:***<br>***Description:*** Increase from FY17 to FY18 initiates development and integration of Mod Case 2.0, sleeve design integration, and software defined capability.<br>***FY 2016 Accomplishments:*** | 1.588<br>- | 2.625<br>- | 4.558<br>- | 0.000<br>- | 4.558<br>- |

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|---|---|---|
| **Appropriation/Budget Activity**<br>1319 / 7 | **R-1 Program Element (Number/Name)**<br>PE 0206625M / *USMC Intelligence/ Electronics Warfare Sys* | **Project (Number/Name)**<br>2272 / *Intel Command and Control (C2) Sys* |

| B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each) | FY 2016 | FY 2017 | FY 2018 Base | FY 2018 OCO | FY 2018 Total |
|---|---|---|---|---|---|
| - Continued development for TSCS technology refresh and insertions as well as potential engineering changes.<br>***FY 2017 Plans:***<br>- Complete development for Digital Network Intelligence (DNI)/ Dual Receiver server sleeve developmental testing and Operational Testing (DT/OT) in preparation for fielding.<br>- Initiate development and integration of Digital Network Intelligence (DNI)/ Dual Receiver Replacement (DRR) software to include Legacy Signals of Interest (SOI), as well as firmware upgrades, hardware/software development, and mods case/PIK development.<br>***FY 2018 Base Plans:***<br>- Continue development and integration of Digital Network Intelligence (DNI)/ Dual Receiver Replacement (DRR) software to include Legacy Signals of Interest (SOI), as well as firmware upgrades, hardware/software development, and mods case/PIK development.<br>- Initiate development and integration of Mod Case 2.0, sleeve design integration, and software defined capability, integration and testing.<br>***FY 2018 OCO Plans:***<br>N/A | | | | | |
| ***Title:*** *Tactical Signal Intelligence (SIGINT) Collection System (TSCS): Test and Evaluation<br>***Articles:*** | 0.000<br>- | 2.647<br>- | 0.560<br>- | 0.000<br>- | 0.560<br>- |
| ***FY 2016 Accomplishments:***<br>N/A<br>***FY 2017 Plans:***<br>- Continue test and evaluation efforts for ongoing TSCS technology refresh and insertions as well as potential engineering changes.<br>- Initiate test and evaluation of the DNI/DRR and legacy SOI, Software Defined Receiver (SDR) development and integration for future capability insert.<br>***FY 2018 Base Plans:***<br>- Initiate Mod Case 2.0 testing and continue SDR development and integration for future capability.<br>***FY 2018 OCO Plans:***<br>N/A | | | | | |
| ***Title:*** Ground-Based Operational Surveillance System: Test and Evaluation | 0.000 | 0.000 | 1.800 | 0.000 | 1.800 |

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|---|---|---|
| **Appropriation/Budget Activity**<br>1319 / 7 | **R-1 Program Element (Number/Name)**<br>PE 0206625M / *USMC Intelligence/ Electronics Warfare Sys* | **Project (Number/Name)**<br>2272 / *Intel Command and Control (C2) Sys* |

| B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each) | FY 2016 | FY 2017 | FY 2018 Base | FY 2018 OCO | FY 2018 Total |
|---|---|---|---|---|---|
| ***Articles:*** | - | - | - | - | - |
| ***Description:*** Ground-Based Operational Surveillance System: Increase of $1.800M from FY17 to FY18 supports sensor network development and testing in support of technical refresh effort.<br>***FY 2016 Accomplishments:***<br>N/A<br>***FY 2017 Plans:***<br>N/A<br>***FY 2018 Base Plans:***<br>- Initiate test and evaluation efforts to develop ECPs.<br>***FY 2018 OCO Plans:***<br>N/A | | | | | |
| ***Title:*** *Tactical Signal Intelligence (SIGINT) Collection System (TSCS): Support | 0.024 | 0.057 | 0.040 | 0.000 | 0.040 |
| ***Articles:*** | - | - | - | - | - |
| ***FY 2016 Accomplishments:***<br>- Continued to provide program support and management for TSCS technology refresh and insertions as well as potential engineering changes.<br>***FY 2017 Plans:***<br>- Continue to provide program support and management for ongoing developmental testing, engineering drawings, environmental testing for server sleeves.<br>***FY 2018 Base Plans:***<br>- Continue to provide program support and management for ongoing developmental testing, engineering drawings, environmental testing for server sleeves.<br>***FY 2018 OCO Plans:***<br>N/A | | | | | |
| ***Title:*** *Technical Control and Analysis Center (TCAC): Product Development | 1.894 | 3.019 | 3.394 | 0.000 | 3.394 |
| ***Articles:*** | - | - | - | - | - |
| ***FY 2016 Accomplishments:*** | | | | | |

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|---|---|---|
| **Appropriation/Budget Activity**<br>1319 / 7 | **R-1 Program Element (Number/Name)**<br>PE 0206625M / *USMC Intelligence/ Electronics Warfare Sys* | **Project (Number/Name)**<br>2272 / *Intel Command and Control (C2) Sys* |

| B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each) | FY 2016 | FY 2017 | FY 2018 Base | FY 2018 OCO | FY 2018 Total |
|---|---|---|---|---|---|
| - Continued 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.<br>***FY 2017 Plans:***<br>- 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.<br>***FY 2018 Base Plans:***<br>- Continue system development and system design for JICD 4.2 and TWS software baseline.<br>- Initiate research and development in support of next hardware refresh/TCAC FoS capability enhancement (RAWS/TWS/CDS).<br>***FY 2018 OCO Plans:***<br>N/A | | | | | |
| ***Title:*** Joint Worldwide Intel Comms Sys (JWICS): Product Development<br>***Articles:***<br>***Description:*** Joint Worldwide Intel Comms Sys (JWICS) program: Decrease $2.8M FY17 to FY18 reflects completion of development effort to engineer a solution to provide JWICS services in the tactical environment.<br>***FY 2016 Accomplishments:***<br>N/A<br>***FY 2017 Plans:***<br>The SCI Enterprise Office (SEO) will conduct research, development, testing and evaluation (RDT&E) to engineer a<br>deployable voice, video, data, and circuit realignment solution that will provide the warfighter JWCIS services in the<br>tactical environment. The solution(s) developed will re-engineer the High Bandwidth Special Intelligence Palletized<br>Terminal (HBSI-PT) communications path to reduce the latency for Marine Corps Joint Worldwide Intelligence Communication (JWICS) network, by development of a tactical Point of Presence (POP). The solution(s) will house | 0.000<br>- | 2.800<br>- | 0.000<br>- | 0.000<br>- | 0.000<br>- |

| Exhibit R-2A, RDT&E Project Justification: FY 2018 Navy | | Date: May 2017 |
|---|---|---|
| **Appropriation/Budget Activity**<br>1319 / 7 | **R-1 Program Element (Number/Name)**<br>PE 0206625M / *USMC Intelligence/ Electronics Warfare Sys* | **Project (Number/Name)**<br>2272 / *Intel Command and Control (C2) Sys* |

| B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each) | FY 2016 | FY 2017 | FY 2018 Base | FY 2018 OCO | FY 2018 Total |
|---|---|---|---|---|---|
| enterprise services such as Active Directory (AD), Dynamic Host Control Protocol (DHCP), distributed files services<br>(DFS), data storage, and print services behind a tactical node. This effort will also research the potential use of cloud services for continuity of tactical operations support. The solution(s) will increase the warfighters ability to produce useful and timely intelligence in a reliable, efficient manner.<br>***FY 2018 Base Plans:***<br>N/A<br>***FY 2018 OCO Plans:***<br>N/A | | | | | |
| ***Title:*** *Technical Control and Analysis Center (TCAC): Support<br>***Articles:*** | 1.078<br>- | 0.835<br>- | 0.298<br>- | 0.000<br>- | 0.298<br>- |
| ***FY 2016 Accomplishments:***<br>- Continued technical support for integration of next generation TCAC analysis tools and hardware components such as the RAWS and CDS into the TCAC FoS.<br>***FY 2017 Plans:***<br>- Continue technical support for integration of next generation TCAC analysis tools and hardware components such as the TWS into the TCAC FoS.<br>***FY 2018 Base Plans:***<br>- Continue technical support of improvements to TCAC baseline.<br>- Initiate technical support for next TCAC hardware refresh/TCAC FoS capability enhancement (RAWS/TWS/ CDS).<br>***FY 2018 OCO Plans:***<br>N/A | | | | | |
| ***Title:*** *Technical Control and Analysis Center (TCAC): Test and Evaluation<br>***Articles:*** | 0.541<br>- | 1.644<br>- | 1.357<br>- | 0.000<br>- | 1.357<br>- |
| ***FY 2016 Accomplishments:*** | | | | | |

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|---|---|---|
| **Appropriation/Budget Activity**<br>1319 / 7 | **R-1 Program Element (Number/Name)**<br>PE 0206625M / *USMC Intelligence/ Electronics Warfare Sys* | **Project (Number/Name)**<br>2272 / *Intel Command and Control (C2) Sys* |

| B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each) | FY 2016 | FY 2017 | FY 2018 Base | FY 2018 OCO | FY 2018 Total |
|---|---|---|---|---|---|
| - Continued Conducted developmental testing on TCAC Sensitive Compartmented Information (SCI) software, integration testing on RAWS and CDS, conducted security and certification testing and evaluation on CDS, and assessment evaluations on TWS hardware refresh.<br>***FY 2017 Plans:***<br>- Continue developmental tests, integration, and validation/verification evaluation for integration of next generation TCAC analysis tools and hardware components such as JICD 4.2 and the TWS software baseline into the TCAC FoS.<br>***FY 2018 Base Plans:***<br>- Continue integration and testing of JICD 4.2 and TWS software baseline.<br>- Initiate research and test design in support of next hardware refresh/TCAC FoS capability enhancement (RAWS/TWS/CDS).<br>***FY 2018 OCO Plans:***<br>N/A | | | | | |
| **Accomplishments/Planned Programs Subtotals** | 13.373 | 24.187 | 30.886 | 0.000 | 30.886 |

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

| Line Item | FY 2016 | FY 2017 | FY 2018 Base | FY 2018 OCO | FY 2018 Total | FY 2019 | FY 2020 | FY 2021 | FY 2022 | Cost To Complete | Total Cost |
|---|---|---|---|---|---|---|---|---|---|---|---|
| • PMC/474703: *TCAC* | 11.202 | 4.874 | 1.581 | 3.000 | 4.581 | 9.991 | 5.666 | 5.917 | 6.049 | Continuing | Continuing |
| • PMC/474761: *IAS* | 5.603 | 22.326 | 8.396 | - | 8.396 | 9.806 | 8.107 | 8.369 | 8.615 | Continuing | Continuing |
| • PMC/700000: *IAS SPARES* | 0.100 | 0.154 | 0.158 | - | 0.158 | 0.161 | 0.167 | 0.170 | 0.173 | Continuing | Continuing |
| • PMC/474709: *CIHEP* | 3.931 | 29.392 | 3.525 | - | 3.525 | 3.666 | 4.334 | 3.610 | 3.846 | Continuing | Continuing |
| • PMC/474702: *TSCS* | 8.608 | 13.484 | 9.496 | - | 9.496 | 12.580 | 6.343 | 6.750 | 11.934 | Continuing | Continuing |
| • PMC/474701: *CESAS* | 0.842 | 12.243 | 9.223 | - | 9.223 | 4.556 | 0.188 | 0.068 | 0.000 | Continuing | Continuing |
| • PMC/474700: *SCI COMMS* | 1.355 | 7.136 | 6.402 | - | 6.402 | 7.325 | 1.859 | 0.246 | 0.251 | Continuing | Continuing |
| • PMC/700003: *TRSS SPARES* | 0.100 | 0.063 | 0.099 | - | 0.099 | 0.165 | 0.101 | 0.101 | 0.103 | Continuing | Continuing |
| • PMC/700005: *MSIDS SPARES* | 0.100 | 0.099 | 0.099 | - | 0.099 | 0.099 | 0.101 | 0.103 | 0.105 | Continuing | Continuing |
| • PMC/474752: *IBR* | 0.053 | 1.420 | 6.697 | - | 6.697 | 6.704 | 1.512 | 1.495 | 1.510 | Continuing | Continuing |
| • PMC/474713: *TRSS* | 0.848 | 1.536 | 2.638 | - | 2.638 | 3.058 | 0.876 | 0.783 | 0.687 | Continuing | Continuing |
| • PMC/474719: *MSIDS* | 0.000 | 1.500 | 2.503 | - | 2.503 | 1.558 | 0.000 | 0.000 | 0.000 | 0.000 | 5.561 |
| • PMC/700001: *SCI COMMS* | 0.362 | 0.000 | 0.000 | - | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.362 |

| Exhibit R-2A, RDT&E Project Justification: FY 2018 Navy | | Date: May 2017 |
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| **Appropriation/Budget Activity**<br>1319 / 7 | **R-1 Program Element (Number/Name)**<br>PE 0206625M / *USMC Intelligence/ Electronics Warfare Sys* | **Project (Number/Name)**<br>2272 / *Intel Command and Control (C2) Sys* |

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

| Line Item | FY 2016 | FY 2017 | FY 2018 Base | FY 2018 OCO | FY 2018 Total | FY 2019 | FY 2020 | FY 2021 | FY 2022 | Cost To Complete | Total Cost |
|---|---|---|---|---|---|---|---|---|---|---|---|
| • PMC/4747XX: *G-BOSS* | 0.000 | 0.000 | 1.200 | - | 1.200 | 1.826 | 2.100 | 0.000 | 0.000 | 0.000 | 5.126 |
| • PMC/643800: *G-BOSS* | 8.153 | 0.000 | 0.000 | - | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 8.153 |
| • PMC/4747XY: *JWICS* | 4.407 | 29.963 | 4.098 | - | 4.098 | 4.615 | 4.701 | 4.792 | 4.887 | Continuing | Continuing |

**Remarks**

**D. Acquisition Strategy**

(U) SCI COMMS: SCI COMMS leverages SSC-LANT support for Engineering Change Proposal support and existing SSC-LANT contract for test asset procurement.

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

(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. IBR makes maximum use of COTS, GOTS and NDI with Firm Fixed Price Production.

(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.

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(U) G-BOSS: Tech refresh for sustainability to ensure operational readiness of the G-BOSS assets, assumes required engineering and logistics refresh funded per additional capability initiative.

(U) JWICS: JWICS 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: FY 2018 Navy | | | Date: May 2017 |
|---|---|---|---|
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**Product Development ($ in Millions)**

| Cost Category Item | Contract Method & Type | Performing Activity & Location | Prior Years | FY 2016 Cost | FY 2016 Award Date | FY 2017 Cost | FY 2017 Award Date | FY 2018 Base Cost | FY 2018 Base Award Date | FY 2018 OCO Cost | FY 2018 OCO Award Date | FY 2018 Total Cost | Cost To Complete | Total Cost | Target Value of Contract |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Prior Years Cummulative Funding | Various | Various : Various | 29.929 | 0.000 | | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 29.929 | - |
| CESAS | WR | SPAWAR : CHARLESTON, SC | 2.300 | 0.475 | Dec 2015 | 0.484 | Dec 2016 | 3.294 | Dec 2017 | - | | 3.294 | 0.000 | 6.553 | - |
| IAS | WR | SPAWAR : CHARLESTON, SC | 0.000 | 1.725 | Oct 2015 | 1.201 | Nov 2016 | 1.737 | Nov 2017 | - | | 1.737 | 0.000 | 4.663 | - |
| IAS | C/CPFF | SPAWAR-A3 : CHARLESTON, SC | 0.000 | 0.039 | Apr 2016 | 1.780 | Feb 2017 | 3.125 | Feb 2018 | - | | 3.125 | 0.000 | 4.944 | - |
| TENCAP | C/CPFF | DTIC-1 : FT. BELVOIR | 7.709 | 3.838 | Nov 2015 | 1.086 | Oct 2016 | 0.000 | | - | | 0.000 | 0.000 | 12.633 | - |
| TENCAP | WR | SPAWAR : CHARLESTON, SC | 1.110 | 0.672 | Jan 2016 | 0.433 | Oct 2016 | 0.423 | Oct 2017 | - | | 0.423 | Continuing | Continuing | Continuing |
| TENCAP | C/CPFF | DTIC-2 : FT. BELVOIR | 0.000 | 0.010 | Jul 2016 | 3.227 | Jan 2017 | 5.959 | Oct 2017 | - | | 5.959 | 0.000 | 9.196 | - |
| TSCS | WR | SPAWAR : CHARLESTON, SC | 3.354 | 1.588 | Dec 2015 | 2.625 | Dec 2016 | 4.558 | Mar 2018 | - | | 4.558 | Continuing | Continuing | Continuing |
| TCAC | C/CPFF | SPAWAR2 : Charleston, SC | 1.344 | 0.228 | Jan 2016 | 0.342 | Jan 2017 | 0.228 | Jan 2018 | - | | 0.228 | 0.000 | 2.142 | - |
| TCAC | WR | SPAWAR8 : San Diego, CA | 7.260 | 1.666 | Jan 2016 | 2.677 | Jan 2017 | 3.166 | Jan 2018 | - | | 3.166 | Continuing | Continuing | Continuing |
| TRSS | WR | SPAWAR-A2 : CHARLESTON, SC | 0.095 | 0.100 | Nov 2015 | 0.099 | Nov 2016 | 0.200 | Nov 2017 | - | | 0.200 | Continuing | Continuing | Continuing |
| SCI COMMS | C/FFP | CECOM : ABERDEEN, MD | 0.000 | 0.073 | Mar 2016 | 0.076 | Mar 2017 | 0.168 | Mar 2018 | - | | 0.168 | Continuing | Continuing | Continuing |
| TENCAP | WR | SPAWAR : SAN DIEGO, CA | 0.000 | 0.000 | | 0.000 | | 0.066 | Nov 2017 | - | | 0.066 | 0.000 | 0.066 | - |
| IBR | Various | VARIOUS : VARIOUS | 0.000 | 0.100 | Feb 2016 | 0.111 | Dec 2016 | 0.474 | Dec 2017 | - | | 0.474 | 0.000 | 0.685 | - |
| JWICS | C/CPFF | DTIC-2 : FT. BELVOIR | 0.000 | 0.000 | | 2.800 | May 2017 | 0.000 | | - | | 0.000 | 0.000 | 2.800 | - |
| | | **Subtotal** | 53.101 | 10.514 | | 16.941 | | 23.398 | | - | | 23.398 | - | - | - |

| Exhibit R-3, RDT&E Project Cost Analysis: FY 2018 Navy | | | Date: May 2017 |
|---|---|---|---|
| Appropriation/Budget Activity<br>1319 / 7 | R-1 Program Element (Number/Name)<br>PE 0206625M / *USMC Intelligence/ Electronics Warfare Sys* | Project (Number/Name)<br>2272 / *Intel Command and Control (C2) Sys* | |

**Support ($ in Millions)**

| Cost Category Item | Contract Method & Type | Performing Activity & Location | Prior Years | FY 2016 Cost | FY 2016 Award Date | FY 2017 Cost | FY 2017 Award Date | FY 2018 Base Cost | FY 2018 Base Award Date | FY 2018 OCO Cost | FY 2018 OCO Award Date | FY 2018 Total Cost | Cost To Complete | Total Cost | Target Value of Contract |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Prior Years Cumulative Funding | Various | Not Specified : Not Specified | 2.674 | 0.000 | | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 2.674 | - |
| SCI COMMS | WR | SPAWAR : Charleston, SC | 0.059 | 0.113 | Feb 2016 | 0.122 | Feb 2017 | 0.110 | Feb 2018 | - | | 0.110 | Continuing | Continuing | Continuing |
| SCI COMMS | WR | SPAWAR-2 : Charleston, SC | 0.000 | 0.013 | Feb 2017 | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 0.013 | - |
| TSCS | Various | MCSC20 : QUANTICO, VA | 0.101 | 0.024 | Aug 2016 | 0.057 | Aug 2017 | 0.040 | Aug 2018 | - | | 0.040 | Continuing | Continuing | Continuing |
| TCAC | MIPR | DTIC : FT Belvoir, VA | 0.611 | 1.072 | Apr 2016 | 0.545 | Apr 2017 | 0.000 | | - | | 0.000 | 0.000 | 2.228 | - |
| TCAC | WR | SPAWAR-P : San Diego, CA | 3.568 | 0.000 | | 0.275 | Apr 2017 | 0.283 | Apr 2018 | - | | 0.283 | Continuing | Continuing | Continuing |
| TCAC | Various | MCSC26 : QUANTICO, VA | 0.000 | 0.006 | Sep 2016 | 0.015 | Sep 2017 | 0.015 | Sep 2018 | - | | 0.015 | 0.000 | 0.036 | - |
| IAS | C/CPFF | DTIC : Fort Belvoir, VA | 1.178 | 0.570 | Apr 2016 | 0.000 | | 0.662 | Apr 2018 | - | | 0.662 | 0.000 | 2.410 | - |
| IAS | C/FFP | CECOM : FT. BELVOIR, VA | 0.000 | 0.000 | | 0.933 | Nov 2016 | 0.304 | Oct 2017 | - | | 0.304 | 0.000 | 1.237 | - |
| CESAS | Various | MCSC9 : QUANTICO, VA | 0.751 | 0.030 | Sep 2016 | 0.017 | Sep 2017 | 0.025 | Sep 2018 | - | | 0.025 | Continuing | Continuing | Continuing |
| | | **Subtotal** | 8.942 | 1.828 | | 1.964 | | 1.439 | | - | | 1.439 | - | - | - |

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

| Cost Category Item | Contract Method & Type | Performing Activity & Location | Prior Years | FY 2016 Cost | FY 2016 Award Date | FY 2017 Cost | FY 2017 Award Date | FY 2018 Base Cost | FY 2018 Base Award Date | FY 2018 OCO Cost | FY 2018 OCO Award Date | FY 2018 Total Cost | Cost To Complete | Total Cost | Target Value of Contract |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Prior Years Cumulative Funding | Various | Various : Various | 8.033 | 0.000 | | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 8.033 | - |
| TSCS | WR | SPAWAR : CHARLESTON, SC | 0.719 | 0.000 | | 2.647 | Dec 2016 | 0.560 | Dec 2017 | - | | 0.560 | Continuing | Continuing | Continuing |
| TCAC | C/CPFF | SPAWAR8 : CHARLESTON, SC | 0.000 | 0.541 | Feb 2016 | 0.841 | Feb 2017 | 0.841 | Feb 2018 | - | | 0.841 | 0.000 | 2.223 | - |

| Exhibit R-3, RDT&E Project Cost Analysis: FY 2018 Navy | | | Date: May 2017 |
|---|---|---|---|
| Appropriation/Budget Activity<br>1319 / 7 | R-1 Program Element (Number/Name)<br>PE 0206625M / *USMC Intelligence/ Electronics Warfare Sys* | Project (Number/Name)<br>2272 / *Intel Command and Control (C2) Sys* | |

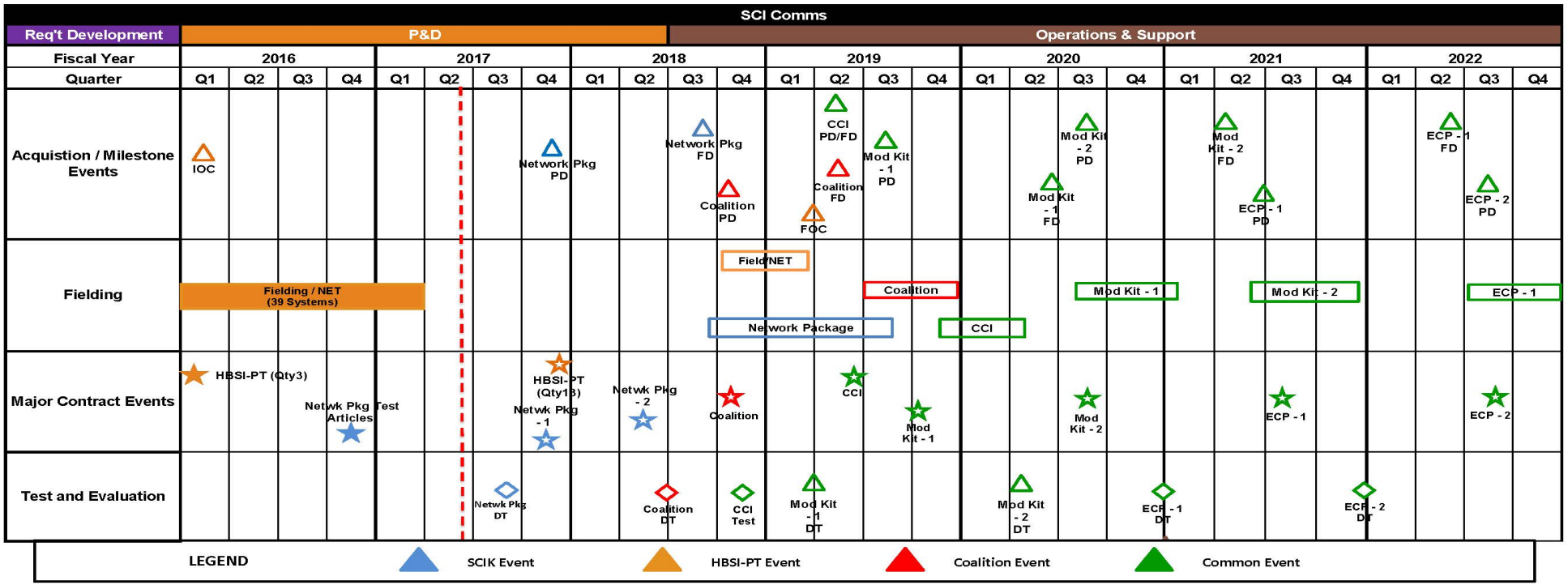
**Test and Evaluation ($ in Millions)**

| Cost Category Item | Contract Method & Type | Performing Activity & Location | Prior Years | FY 2016 Cost | FY 2016 Award Date | FY 2017 Cost | FY 2017 Award Date | FY 2018 Base Cost | FY 2018 Base Award Date | FY 2018 OCO Cost | FY 2018 OCO Award Date | FY 2018 Total Cost | Cost To Complete | Total Cost | Target Value of Contract |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCAC | C/CPFF | SPAWAR9 : SAN DIEGO, CA | 0.000 | 0.000 | | 0.803 | Jan 2017 | 0.516 | Jan 2018 | - | | 0.516 | 0.000 | 1.319 | - |
| TRSS | WR | SPAWAR-A1 : CHARLESTON, SC | 0.000 | 0.000 | | 0.000 | | 0.802 | Dec 2017 | - | | 0.802 | 0.000 | 0.802 | - |
| IAS | C/FFP | DTIC : FT. BELVOIR, VA | 0.000 | 0.000 | | 0.299 | Apr 2017 | 0.500 | Apr 2018 | - | | 0.500 | 0.000 | 0.799 | - |
| SCI COMMS | TBD | MCIA : QUANTICO, VA | 0.000 | 0.000 | | 0.000 | | 0.073 | Mar 2018 | - | | 0.073 | Continuing | Continuing | Continuing |
| G-BOSS | WR | NSWC CRANE : CRANE, IN | 0.000 | 0.000 | | 0.000 | | 1.800 | Feb 2018 | - | | 1.800 | 0.000 | 1.800 | - |
| CIHEP | WR | SPAWAR-A4 : CHARLESTON, SC | 0.000 | 0.490 | Nov 2015 | 0.692 | Nov 2016 | 0.325 | Nov 2017 | - | | 0.325 | 0.000 | 1.507 | - |
| IAS | WR | SPAWAR : CHARLESTON, SC | 0.000 | 0.000 | | 0.000 | | 0.461 | Nov 2017 | - | | 0.461 | 0.000 | 0.461 | - |
| MSIDS | WR | SPAWAR : CHARLESTON, SC | 0.000 | 0.000 | | 0.000 | | 0.171 | Dec 2017 | - | | 0.171 | 0.000 | 0.171 | - |
| | | **Subtotal** | 8.752 | 1.031 | | 5.282 | | 6.049 | | - | | 6.049 | - | - | - |

| | Prior Years | FY 2016 | | FY 2017 | | FY 2018 Base | | FY 2018 OCO | | FY 2018 Total | Cost To Complete | Total Cost | Target Value of Contract |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Project Cost Totals** | 70.795 | 13.373 | | 24.187 | | 30.886 | | - | | 30.886 | - | - | - |

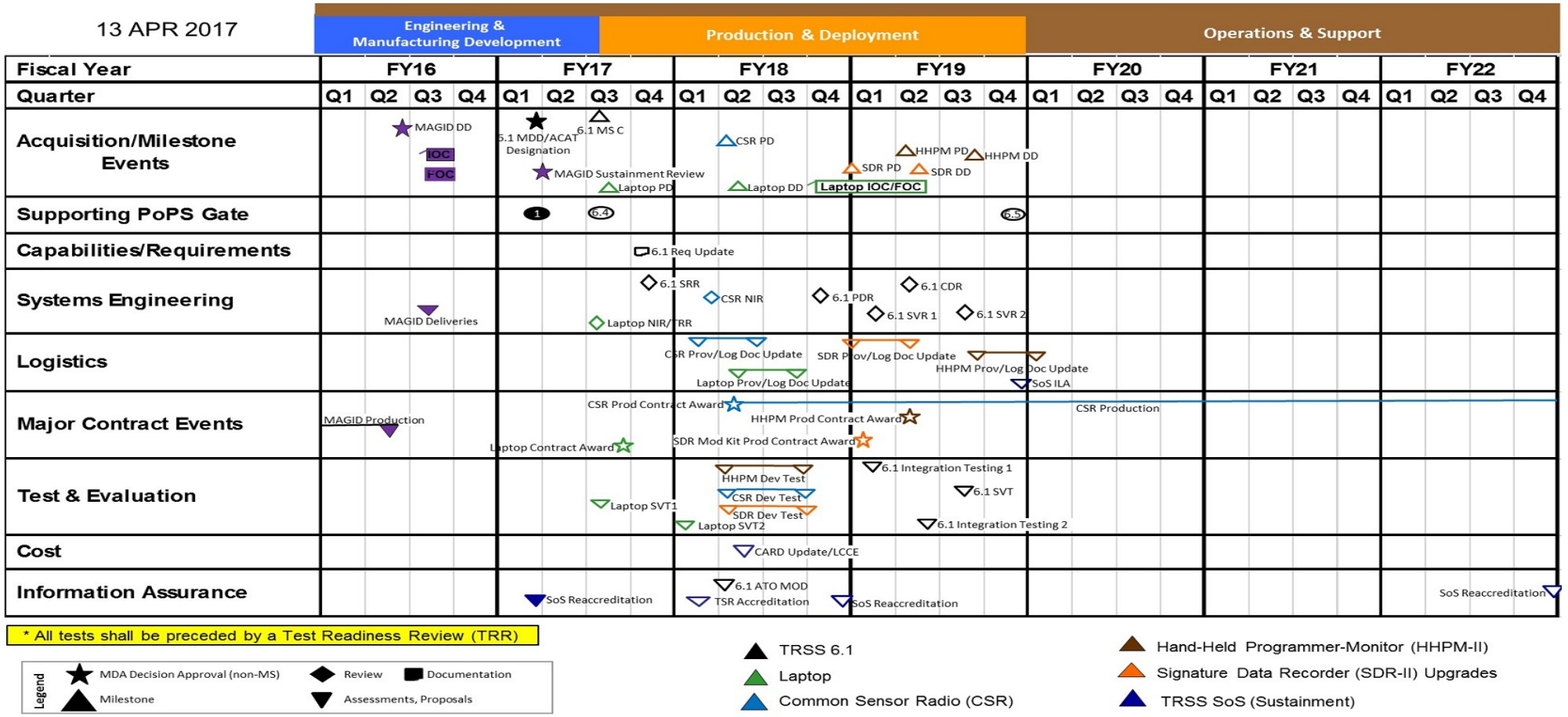
**Remarks**

| Exhibit R-4, RDT&E Schedule Profile: FY 2018 Navy | | Date: May 2017 |
|---|---|---|
| **Appropriation/Budget Activity**<br>1319 / 7 | **R-1 Program Element (Number/Name)**<br>PE 0206625M / *USMC Intelligence/ Electronics Warfare Sys* | **Project (Number/Name)**<br>2272 / *Intel Command and Control (C2) Sys* |

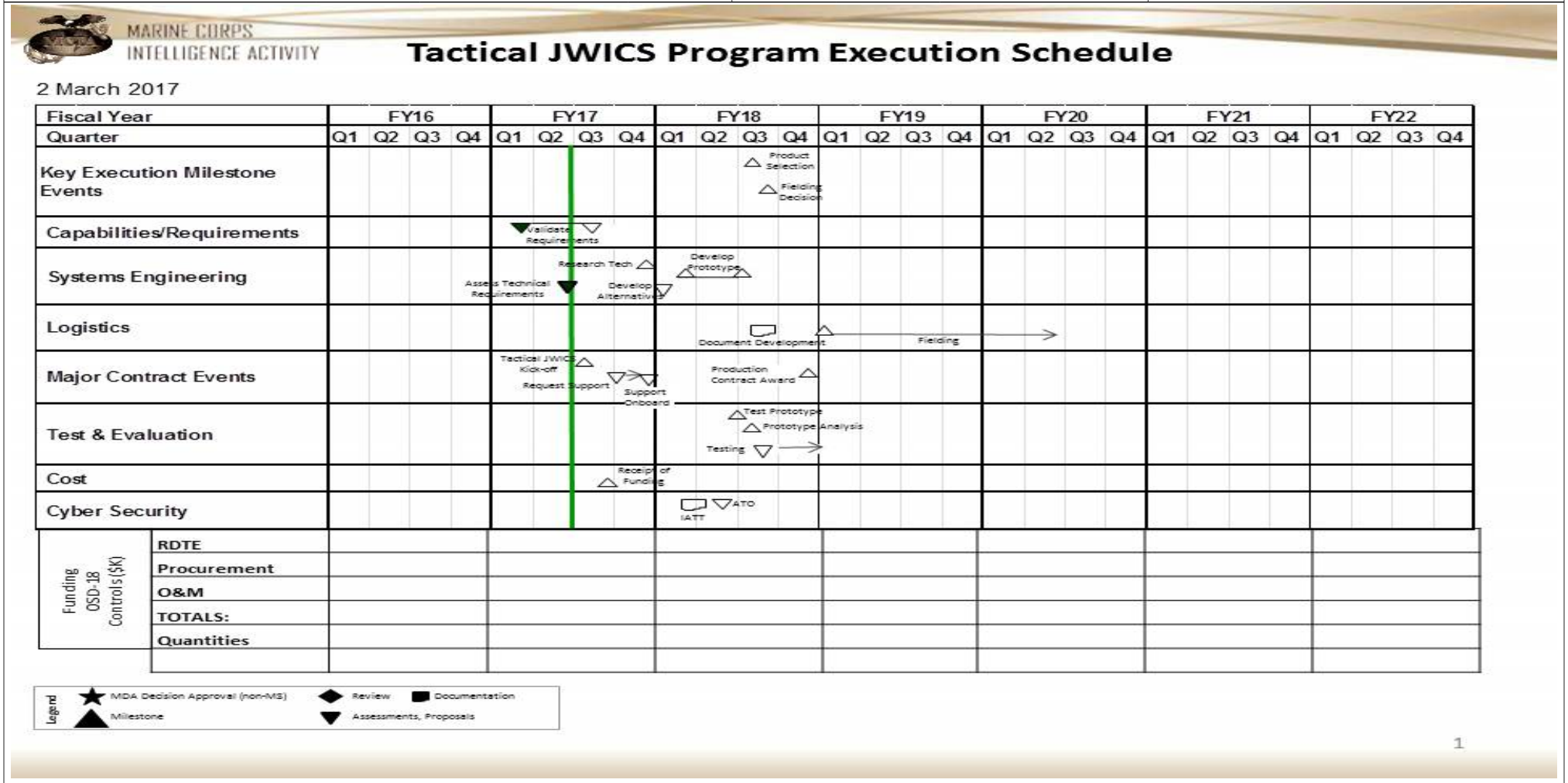


| Exhibit R-4, RDT&E Schedule Profile: FY 2018 Navy | | Date: May 2017 |
|---|---|---|
| **Appropriation/Budget Activity**<br>1319 / 7 | **R-1 Program Element (Number/Name)**<br>PE 0206625M / *USMC Intelligence/ Electronics Warfare Sys* | **Project (Number/Name)**<br>2272 / *Intel Command and Control (C2) Sys* |

## TRSS SoS By Budget Schedule FY16-FY22

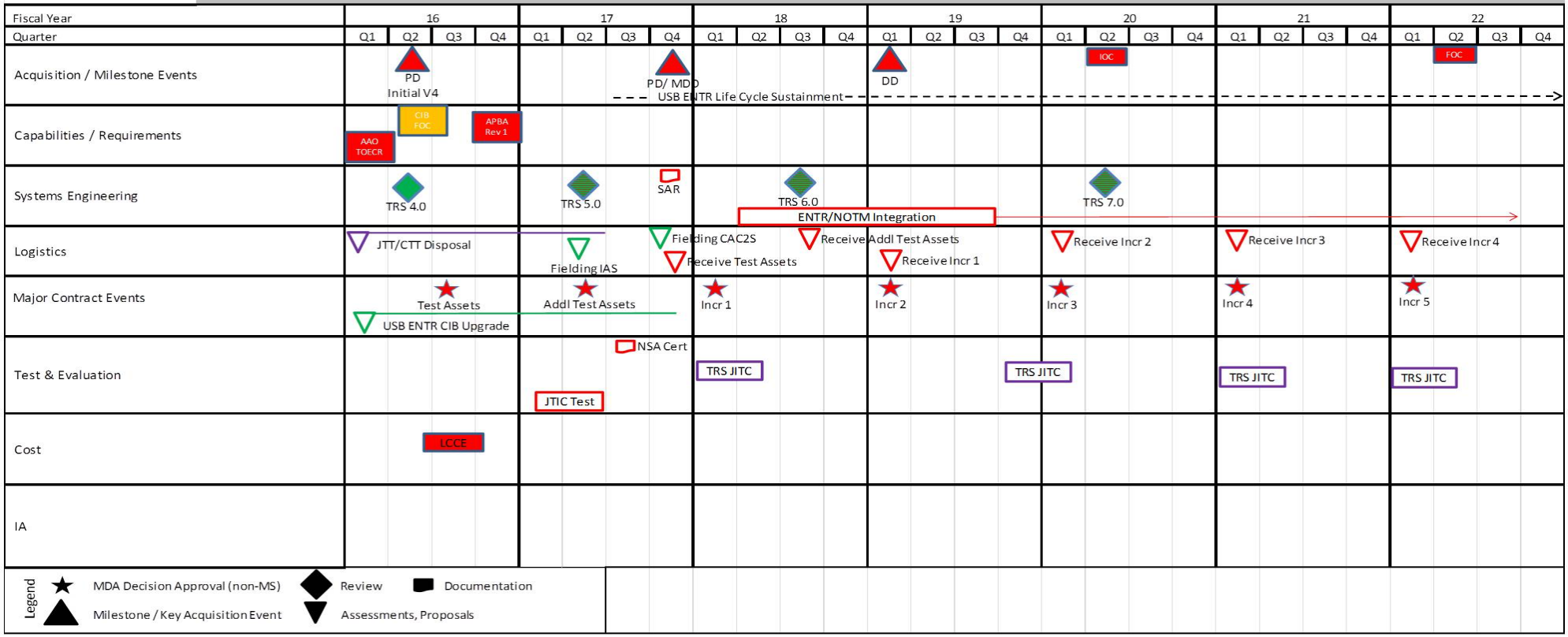


| Exhibit R-4, RDT&E Schedule Profile: FY 2018 Navy | | Date: May 2017 |
|---|---|---|
| **Appropriation/Budget Activity**<br>1319 / 7 | **R-1 Program Element (Number/Name)**<br>PE 0206625M / *USMC Intelligence/ Electronics Warfare Sys* | **Project (Number/Name)**<br>2272 / *Intel Command and Control (C2) Sys* |



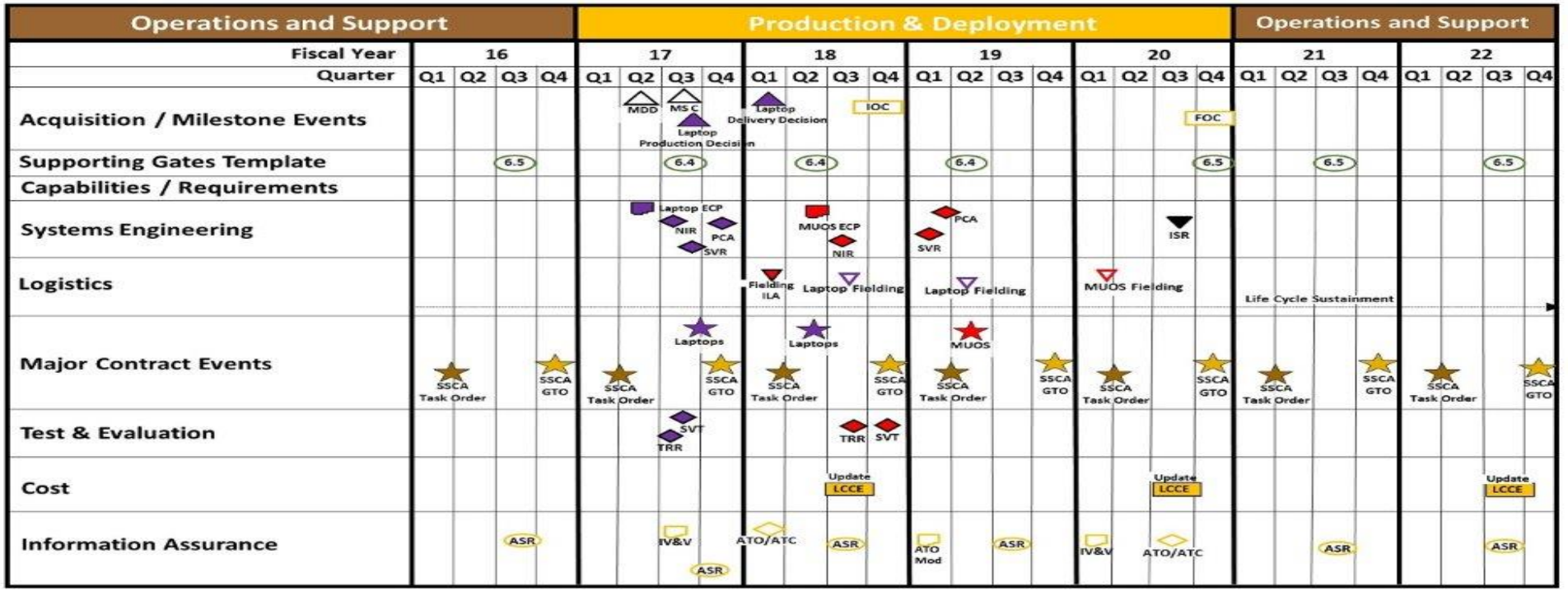
| Exhibit R-4, RDT&E Schedule Profile: FY 2018 Navy | | Date: May 2017 |
|---|---|---|
| **Appropriation/Budget Activity**<br>1319 / 7 | **R-1 Program Element (Number/Name)**<br>PE 0206625M / *USMC Intelligence/ Electronics Warfare Sys* | **Project (Number/Name)**<br>2272 / *Intel Command and Control (C2) Sys* |

## IBR Program Schedule



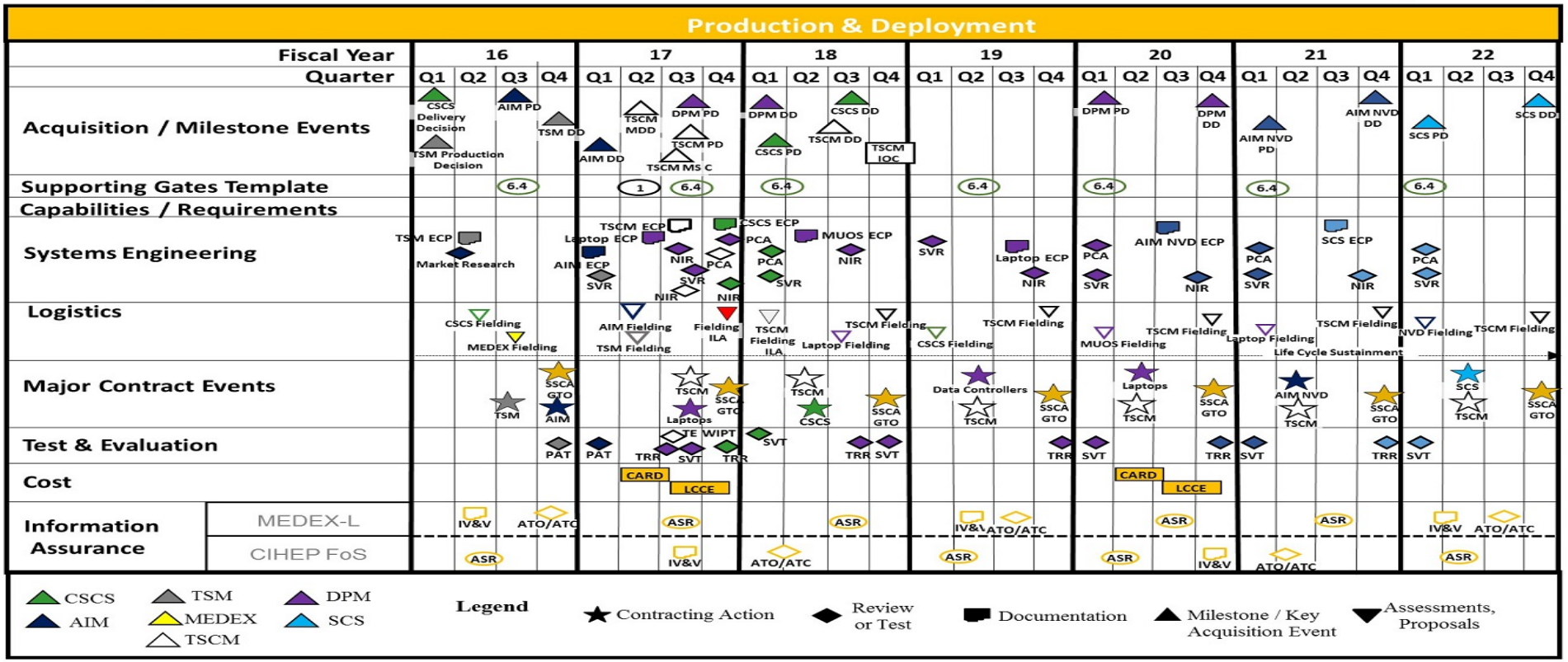
| Exhibit R-4, RDT&E Schedule Profile: FY 2018 Navy | | Date: May 2017 |
|---|---|---|
| **Appropriation/Budget Activity**<br>1319 / 7 | **R-1 Program Element (Number/Name)**<br>PE 0206625M / *USMC Intelligence/ Electronics Warfare Sys* | **Project (Number/Name)**<br>2272 / *Intel Command and Control (C2) Sys* |

# MSIDS Program Schedule



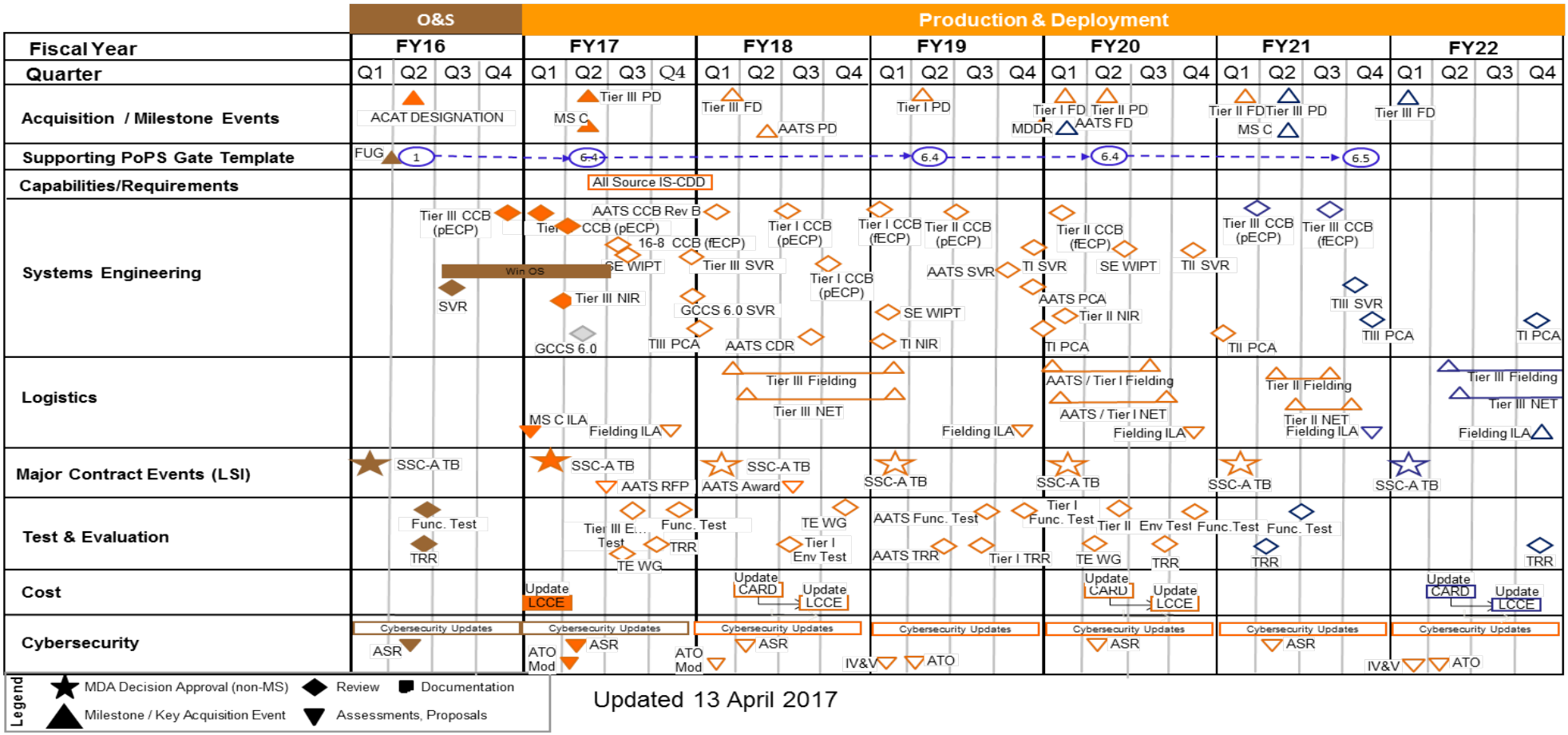
| Exhibit R-4, RDT&E Schedule Profile: FY 2018 Navy | | Date: May 2017 |
|---|---|---|
| **Appropriation/Budget Activity**<br>1319 / 7 | **R-1 Program Element (Number/Name)**<br>PE 0206625M / *USMC Intelligence/ Electronics Warfare Sys* | **Project (Number/Name)**<br>2272 / *Intel Command and Control (C2) Sys* |

# CIHEP FoS Program Schedule



| Exhibit R-4, RDT&E Schedule Profile: FY 2018 Navy | | Date: May 2017 |
|---|---|---|
| **Appropriation/Budget Activity**<br>1319 / 7 | **R-1 Program Element (Number/Name)**<br>PE 0206625M / *USMC Intelligence/ Electronics Warfare Sys* | **Project (Number/Name)**<br>2272 / *Intel Command and Control (C2) Sys* |

# IAS FoS Schedule 16-22 IAS FOS

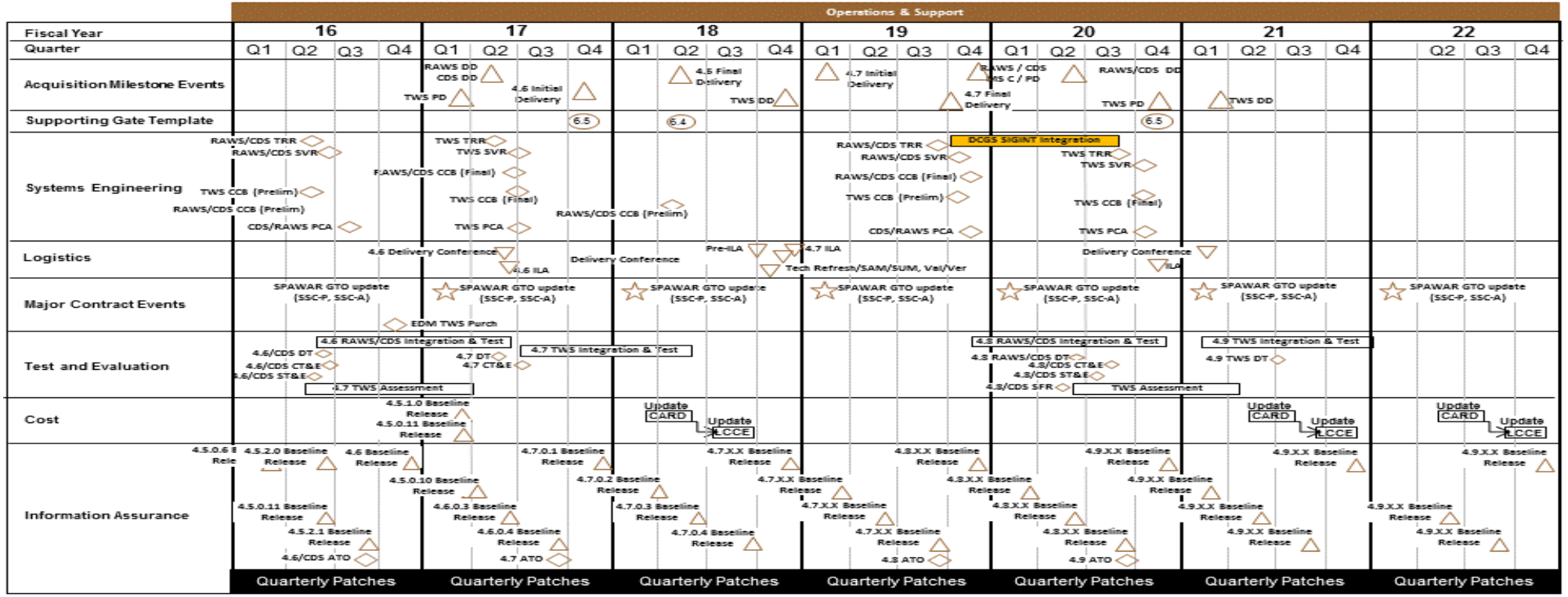



Updated 13 April 2017

| Exhibit R-4, RDT&E Schedule Profile: FY 2018 Navy | | Date: May 2017 |
|---|---|---|
| **Appropriation/Budget Activity**<br>1319 / 7 | **R-1 Program Element (Number/Name)**<br>PE 0206625M / *USMC Intelligence/ Electronics Warfare Sys* | **Project (Number/Name)**<br>2272 / *Intel Command and Control (C2) Sys* |

**MARINE CORPS SYSTEMS COMMAND**
HOME OF THE MARINE CORPS ACQUISITION PROFESSIONAL

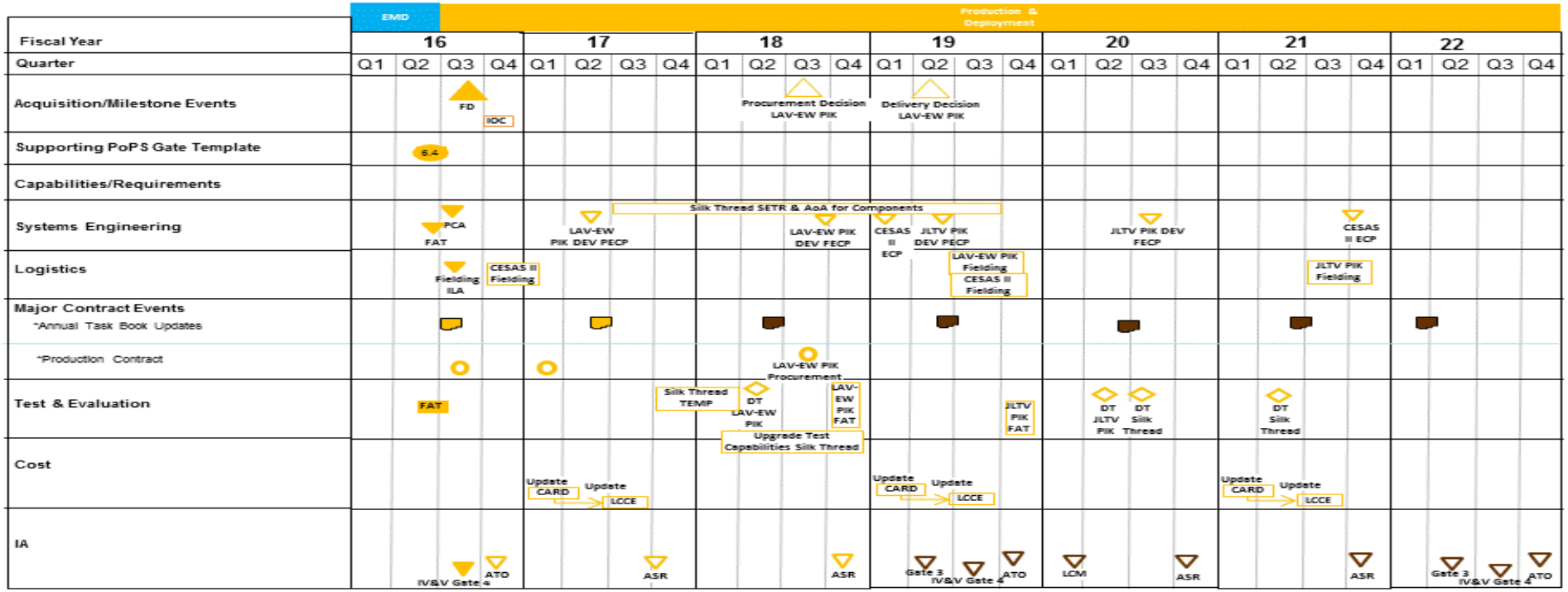
## TCAC Program Schedule



| Exhibit R-4, RDT&E Schedule Profile: FY 2018 Navy | | Date: May 2017 |
|---|---|---|
| **Appropriation/Budget Activity**<br>1319 / 7 | **R-1 Program Element (Number/Name)**<br>PE 0206625M / *USMC Intelligence/ Electronics Warfare Sys* | **Project (Number/Name)**<br>2272 / *Intel Command and Control (C2) Sys* |

**MARINE CORPS SYSTEMS COMMAND**
HOME OF THE MARINE CORPS ACQUISITION PROFESSIONAL

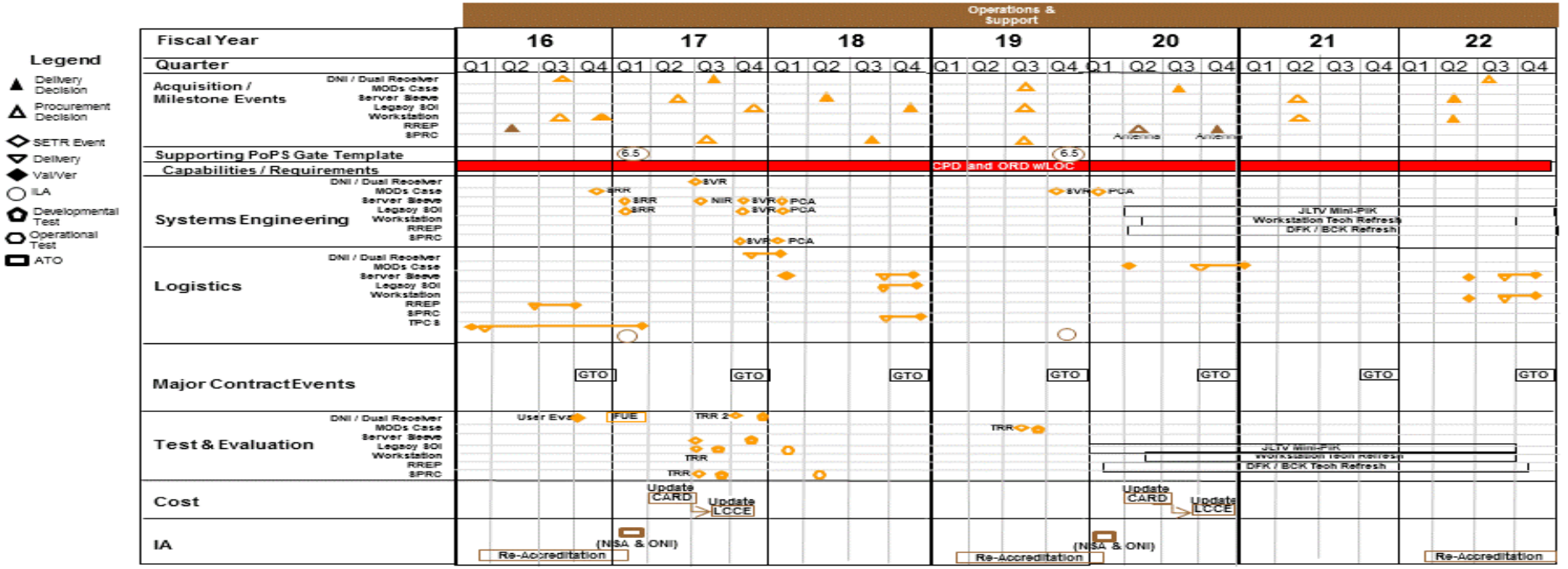
## CESAS II Program Schedule



| Exhibit R-4, RDT&E Schedule Profile: FY 2018 Navy | | Date: May 2017 |
|---|---|---|
| **Appropriation/Budget Activity**<br>1319 / 7 | **R-1 Program Element (Number/Name)**<br>PE 0206625M / *USMC Intelligence/ Electronics Warfare Sys* | **Project (Number/Name)**<br>2272 / *Intel Command and Control (C2) Sys* |

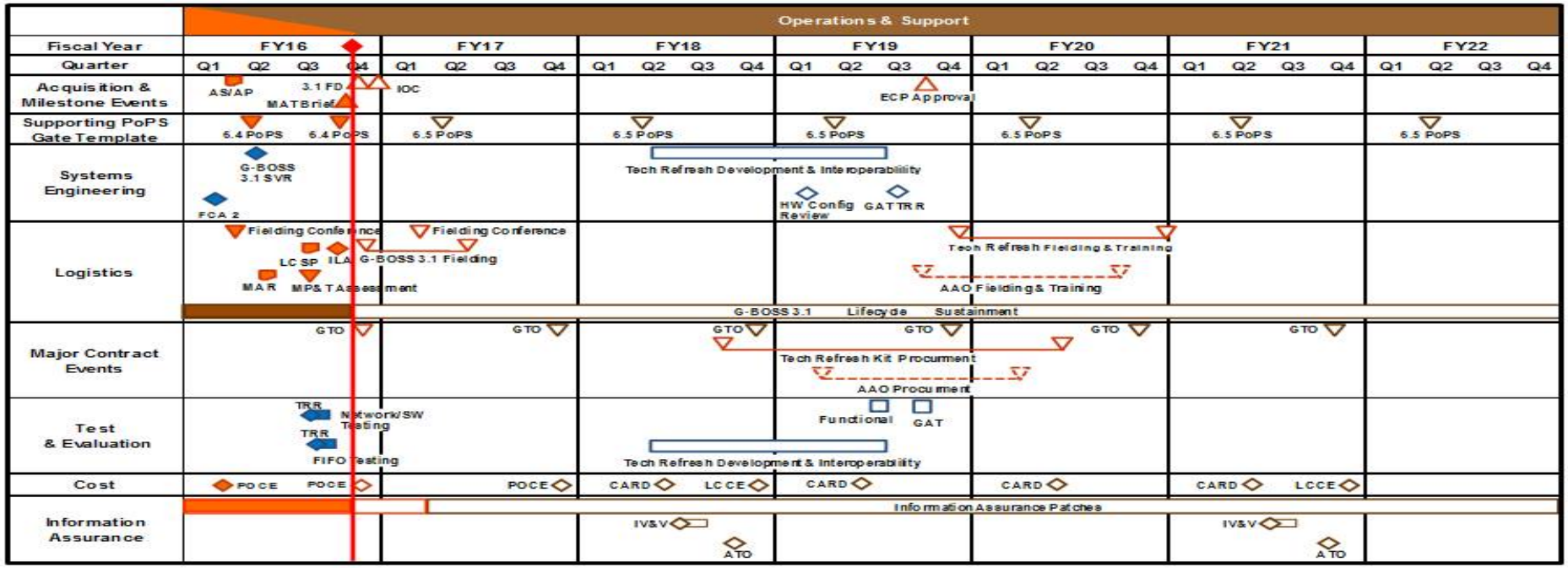
**MARINE CORPS SYSTEMS COMMAND**
HOME OF THE MARINE CORPS ACQUISITION PROFESSIONAL

## TSCS (RREP and TPCS) Program Schedule



| Exhibit R-4, RDT&E Schedule Profile: FY 2018 Navy | | Date: May 2017 |
|---|---|---|
| **Appropriation/Budget Activity**<br>1319 / 7 | **R-1 Program Element (Number/Name)**<br>PE 0206625M / *USMC Intelligence/ Electronics Warfare Sys* | **Project (Number/Name)**<br>2272 / *Intel Command and Control (C2) Sys* |

## GBOSS PROGRAM SCHEDULE



| Exhibit R-4A, RDT&E Schedule Details: FY 2018 Navy | | Date: May 2017 |
|---|---|---|
| **Appropriation/Budget Activity**<br>1319 / 7 | **R-1 Program Element (Number/Name)**<br>PE 0206625M / *USMC Intelligence/ Electronics Warfare Sys* | **Project (Number/Name)**<br>2272 / *Intel Command and Control (C2) Sys* |

## Schedule Details

| | Start | | End | |
|---|---|---|---|---|
| **Events by Sub Project** | **Quarter** | **Year** | **Quarter** | **Year** |
| ***Proj 2272*** | | | | |
| TCAC Procurement Decision (HW/SW Laptop Refresh) (TWS) | 1 | 2017 | 1 | 2017 |
| TCAC Delivery Decision (RAWS and CDS) | 2 | 2017 | 2 | 2017 |
| TCAC Fielding Decision (HW/SW Server Refresh) (RAWS and CDS) | 2 | 2017 | 2 | 2017 |
| TCAC Delivery Decision (TWS) | 4 | 2018 | 4 | 2018 |
| IAS MS C Decision | 2 | 2017 | 2 | 2017 |
| IAS Tier III Procurement Decision | 2 | 2017 | 2 | 2017 |
| IAS Advanced Analytics Production Decision | 2 | 2018 | 2 | 2018 |
| IAS Tier III Fielding Decision | 1 | 2018 | 1 | 2018 |
| CESAS LAV/EW PIK Procurement Decision | 3 | 2018 | 3 | 2018 |
| CESAS II Initial Operational Capability (IOC) | 4 | 2016 | 4 | 2016 |
| SCI COMMS FOC (HBSI-PT) | 1 | 2019 | 1 | 2019 |
| SCI COMMS Network Package Fielding Decision | 3 | 2018 | 3 | 2018 |
| SCI COMMS Network Package Fielding | 3 | 2018 | 3 | 2019 |
| TRSS Final Operational Capability (FOC) MAGID II | 3 | 2016 | 3 | 2016 |
| TRSS MDD/ACAT Designation 6.1 | 1 | 2017 | 1 | 2017 |
| TRSS Sustainment Review MAGID II | 1 | 2017 | 1 | 2017 |
| TRSS Milestone "C" Family of Systems (FOS) 6.1 Technical Refresh | 3 | 2017 | 3 | 2017 |
| TRSS Procurement Decision Sensor Monitoring Group (SMG) / Sensor Monitoring Group-Lite (SMG-L) Components (Laptops) | 3 | 2017 | 3 | 2017 |
| TRSS Procurement Decision Components - Common Sensor Radio (CSR) | 2 | 2018 | 2 | 2018 |
| TRSS Delivery Descision SMG/SMG-LITE Components (Laptops) | 2 | 2018 | 2 | 2018 |

| Exhibit R-4A, RDT&E Schedule Details: FY 2018 Navy | | Date: May 2017 |
|---|---|---|
| **Appropriation/Budget Activity**<br>1319 / 7 | **R-1 Program Element (Number/Name)**<br>PE 0206625M / *USMC Intelligence/ Electronics Warfare Sys* | **Project (Number/Name)**<br>2272 / *Intel Command and Control (C2) Sys* |

| | Start | | End | |
|---|---|---|---|---|
| **Events by Sub Project** | **Quarter** | **Year** | **Quarter** | **Year** |
| TRSS IOC/FOC SMG/SMG-LITE Components (Laptops) | 4 | 2018 | 4 | 2018 |
| TRSS Procurement Decision Signature Data Recorder (SDR) | 1 | 2019 | 1 | 2019 |
| TRSS Procurement Decision Hand Held Programmable Monitor (HHPM) | 2 | 2019 | 2 | 2019 |
| TRSS Delivery Decision Signature Data Recorder (SDR) | 2 | 2019 | 2 | 2019 |
| TRSS Delivery Decision Hand Held Programmable Monitor (HHPM) | 3 | 2019 | 3 | 2019 |
| MSIDS MDD | 2 | 2017 | 2 | 2017 |
| MSIDS Milestone C | 3 | 2017 | 3 | 2017 |
| MSIDS Production Decision (Laptops) | 3 | 2017 | 3 | 2017 |
| MSIDS Delivery Decision (Laptops) | 1 | 2018 | 1 | 2018 |
| MSIDS IOC | 3 | 2018 | 3 | 2018 |
| MSIDS FOC | 3 | 2020 | 3 | 2020 |
| CIHEP Full Rate Production Decision Technical Surveillance Modules (TSM) | 1 | 2016 | 1 | 2016 |
| CIHEP Delivery Decision CSCS 1 | 1 | 2016 | 1 | 2016 |
| CIHEP FRP Decision Advanced Imagery Module (AIM) | 3 | 2016 | 3 | 2016 |
| CIHEP Delivery Decision TSM | 4 | 2016 | 4 | 2016 |
| CIHEP Delivery Decision AIM | 1 | 2017 | 1 | 2017 |
| CIHEP MDD Technical Surveillance Countermeasures (TSCM) | 2 | 2017 | 2 | 2017 |
| CIHEP Milestone "C" TSCM | 3 | 2017 | 3 | 2017 |
| CIHEP Full Rate Production Decision DPM | 3 | 2017 | 3 | 2017 |
| CIHEP Full Rate Production Decision TSCM | 3 | 2017 | 3 | 2017 |
| CIHEP Delivery Decision DPM | 1 | 2018 | 1 | 2018 |
| CIHEP Full Rate Production Decision CSCS | 1 | 2018 | 1 | 2018 |
| CIHEP Delivery Decision TSCM | 3 | 2018 | 3 | 2018 |
| CIHEP Delivery Decision CSCS | 3 | 2018 | 3 | 2018 |
| CIHEP IOC TSCM | 4 | 2018 | 4 | 2018 |

| Exhibit R-4A, RDT&E Schedule Details: FY 2018 Navy | | Date: May 2017 |
|---|---|---|
| **Appropriation/Budget Activity**<br>1319 / 7 | **R-1 Program Element (Number/Name)**<br>PE 0206625M / *USMC Intelligence/ Electronics Warfare Sys* | **Project (Number/Name)**<br>2272 / *Intel Command and Control (C2) Sys* |

| | Start | | End | |
|---|---|---|---|---|
| **Events by Sub Project** | **Quarter** | **Year** | **Quarter** | **Year** |
| IBR Procurement Decision (Initial ENTR Version 4) | 2 | 2016 | 2 | 2016 |
| IBR Procurement Decision (ENTR Version 4) | 4 | 2017 | 4 | 2017 |
| IBR Delivery Decision (ENTR Version 4) | 1 | 2019 | 1 | 2019 |
| IBR Initial Operational Capability (IOC) (ENTR Version 4) | 2 | 2020 | 2 | 2020 |
| IBR Delivery Decision Final Operational Capability (FOC) (ENTR Version 4) | 2 | 2022 | 2 | 2022 |
| G-BOSS Tech Refresh Development & Interoperablilty | 2 | 2018 | 3 | 2019 |
| TSCS Procurement Decision (Legacy SOI) | 4 | 2017 | 4 | 2017 |
| TSCS Procurement Decision (SPRC) | 3 | 2017 | 3 | 2017 |
| TSCS Delivery Decision (Legacy SOI) | 4 | 2018 | 4 | 2018 |
| TSCS Delivery Decision (Server Sleeve) | 2 | 2018 | 2 | 2018 |
| TSCS Delivery Decision (SPRC) | 3 | 2018 | 3 | 2018 |
| JWICS Procurement Decision | 3 | 2018 | 3 | 2018 |
| JWICS Fielding Decision | 3 | 2018 | 3 | 2018 |