Exhibit R-2, RDT&E Budget Item Justification: PB 2020 Navy											Date: March 2019	
Appropriation/Budget Activity 1319: *Research, Development, Test & Evaluation, Navy I* BA 7: *Operational Systems Development*					R-1 Program Element (Number/Name) PE 0305208M *I (U)Distributed Common Ground/Surface Systems*							
COST ($ in Millions)	**Prior Years**	**FY 2018**	**FY 2019**	**FY 2020 Base**	**FY 2020 OCO**	**FY 2020 Total**	**FY 2021**	**FY 2022**	**FY 2023**	**FY 2024**	**Cost To Complete**	**Total Cost**
Total Program Element	72.376	13.338	7.610	22.042	-	22.042	17.019	17.447	18.073	18.463	Continuing	Continuing
2268: *Distributed Common Ground System (DCGS-MC)*	72.376	13.338	7.610	22.042	-	22.042	17.019	17.447	18.073	18.463	Continuing	Continuing

Note

Beginning in FY20, Intelligence Analysis System (IAS) and Technical Control Analysis Center (TCAC) resources have been realigned from PE 0206625M project 2272, Intel Command and Control (C2) Sys to PE 0305208M project 2268, Distributed Common Ground/Surface Systems. Transition into the DCGS portfolio is necessary to concentrate investments in an integrated architecture thereby improving DCGS Enterprise alignment and more effectively leveraging the rapid integration of new technology.

A. Mission Description and Budget Item Justification

This is a Military Intelligence Program program element.

Distributed Common Ground/Surface System Marine Corps (DCGS-MC) is integral to delivering decision advantage at the speed of operational relevance. In order to concentrate investments in an integrated architecture to improve enterprise alignment while delivering substantially better collective intelligence outcomes for the warfighter, our All-Source and SIGINT programs have been consolidated under the DCGS-MC portfolio.

DCGS-MC provides core intelligence processing, analysis, production, and dissemination tools within garrison and deployed Marine Corps organizations. DCGS-MC complies with the Department of Defense (DoD) DCGS Enterprise interoperability and information sharing requirements by migrating select processing, exploitation, analysis, and production capabilities into a single, integrated, net-centric baseline within the Marine Corps Intelligence, Surveillance and Reconnaissance Enterprise (MCISRE). Capabilities are provided via COTS servers, workstations, laptops, peripherals, and commercial and government software. Modernization and technology insertion efforts are focused on advanced capabilities such as cloud services and Artificial Intelligence/ Machine learning (AI/ML) to support operations in the information environment. Current programmatic efforts support a service-oriented architecture and migration to common hardware and software to take advantage of common computer administration functions, common training, and common cybersecurity procedures.

Exhibit R-2, RDT&E Budget Item Justification: PB 2020 Navy					Date: March 2019
Appropriation/Budget Activity 1319: *Research, Development, Test & Evaluation, Navy I* BA 7: *Operational Systems Development*			R-1 Program Element (Number/Name) PE 0305208M *I (U)Distributed Common Ground/Surface Systems*		
B. Program Change Summary ($ in Millions)	**FY 2018**	**FY 2019**	**FY 2020 Base**	**FY 2020 OCO**	**FY 2020 Total**
Previous President's Budget	12.867	7.687	9.065	-	9.065
Current President's Budget	13.338	7.610	22.042	-	22.042
Total Adjustments	0.471	-0.077	12.977	-	12.977
• Congressional General Reductions	-	-0.077			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	0.472	0.000			
• SBIR/STTR Transfer	-	-			
• Program Adjustments	0.000	0.000	12.966	-	12.966
• Rate/Misc Adjustments	0.000	0.000	0.011	-	0.011
• Congressional General Reductions Adjustments	-0.001	-	-	-	-

Change Summary Explanation

The increase of $14.432M between FY19 and FY20 is attributed to 1) the realignment of IAS and TCAC resources from PE 0206625M USMC Intelligence/ Electronics Warfare Systems to the DCGS-MC portfolio and 2) increased Project Maven and Artificial Intelligence efforts to include integration, hardware/software accreditation to extend services to JWICS and other security domains/networks, and enabling reach back to Processing, Exploitation, and Dissemination (PED).

Exhibit R-2A, RDT&E Project Justification: PB 2020 Navy			Date: March 2019
Appropriation/Budget Activity 1319 / 7	R-1 Program Element (Number/Name) PE 0305208M / *(U)Distributed Common Ground/Surface Systems*	Project (Number/Name) 2268 / *Distributed Common Ground System (DCGS-MC)*	

COST ($ in Millions)	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	Cost To Complete	Total Cost
2268: *Distributed Common Ground System (DCGS-MC)*	72.376	13.338	7.610	22.042	-	22.042	17.019	17.447	18.073	18.463	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This is a Military Intelligence Program program element.

Distributed Common Ground/Surface System Marine Corps (DCGS-MC) is integral to delivering decision advantage at the speed of operational relevance outlined in the 2018 National Defense Strategy. In order to concentrate investments in an integrated architecture to improve enterprise alignment while delivering substantially better collective intelligence outcomes for the warfighter, our All-Source and SIGINT programs have been consolidated under the DCGS-MC portfolio. DCGS-MC provides an analysis and production capability within garrison and deployed Marine Corps organizations. DCGS-MC complies with the Department of Defense (DoD) DCGS Enterprise interoperability and information sharing requirements by migrating select processing, exploitation, analysis, and production capabilities into a single, integrated, net-centric baseline within the Marine Corps Intelligence, Surveillance and Reconnaissance Enterprise (MCISRE). This baseline will enable MCISRE analysts to deliver tactically focused, operational and strategic intelligence at the tactical edge throughout all phases of operations and will provide relevant, precise decision support for Joint Task Force (JTF), Marine Air Ground Task Force (MAGTF), and subordinate Marine units. The DCGS-MC portfolio currently consists of enterprise services and functional analytic and production tools that provide analysts with the ability to process, disseminate, exploit, analyze, and produce intelligence for discovery via the DCGS Integration Backbone (DIB). The Functional capabilities are grouped by DCGS-MC GEOINT, DCGS-MC All-Source, and DCGS-MC SIGINT. Future capabilities will be delivered via clearly defined Capability Drops determined by an integrated assessment of user needs, technology readiness, risk mitigation, and affordability.

DCGS-MC Geospatial Intelligence (DCGS-MC GEOINT)

The Geospatial Intelligence (GEOINT) provides geo-referenced data and products that establish the GEOINT foundation for battlespace visualization and a common frame of reference to support the commander's decision making process. It enables the ability to rapidly respond to, or predict, threats around the world by providing near real time geospatially referenced data and products that serve as the Authoritative Data Source for the full spectrum of Marine Air-Ground Task Force (MAGTF), joint, and multinational partners operations. DCGS-MC GEOINT enables mission accomplishment across the range of military operations and with all mission partners. The DCGS-MC GEOINT provides the tasking, collection, processing, exploitation, analysis, production, storage, and dissemination of imagery and geospatial information to describe, assess, produce, and visually depict physical features and geographically referenced activities on the Earth. DCGS-MC GEOINT will incorporate those capabilities formally provided by the Tactical Exploitation Group, Topographic Production Capability, Virtual Imagery Processing - Marine Corps, and Target Materials Production legacy systems.

DCGS-MC ALL SOURCE

Exhibit R-2A, RDT&E Project Justification: PB 2020 Navy		Date: March 2019
Appropriation/Budget Activity 1319 / 7	**R-1 Program Element (Number/Name)** PE 0305208M / *(U)Distributed Common Ground/Surface Systems*	**Project (Number/Name)** 2268 / *Distributed Common Ground System (DCGS-MC)*

The Intelligence Analysis System (IAS) Family of System (FoS) is the DCGS-MC All-Source Fusion Center that provides interoperable, scalable, semi-automated capabilities to receive, analyze, display, and disseminate all-source intelligence, including imagery, to support timely, tactical decision-making across the MAGTF.

DCGS-MC Signal Intelligence (DCGS-MC SIGINT)

The Technical Control Analysis Center (TCAC) FoS consists of the TCAC Remote Analysis Workstation (RAWS), the Transportable Workstation (TWS) and the Cross Domain Solution (CDS), and is the focal point of Radio Battalions (RADBN), Marine Corps Forces Special Operations Command (MARFORSOC), and Joint Strike Fighter (JSF) Signal 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 MAGTF units capable of directing and managing the technical and operational functions of other RADBN SIGINT/EW assets. Additionally, TCAC provides a focal point for national, theater and tactical data networks for data exchange with tactical SIGINT/EW assets, the IAS and national databases. TCAC will enable the transfer of USMC tactical SIGINT collection and analytical data into the Real-Time Regional Gateway (RT-RG) and by producing DIB enabled products that will be discoverable by any DCGS enabled Marine. The system provides ground processing of Electronic Warfare (EW) information, including EW Support and Electronic Attack (EA) data collected by the RADBN and JSF aircraft. The Cross Domain Solution will also enable the TCAC to transfer approved and sanitized file types from Top Secret/Sensitive Compartmented Information (TS/SCI) networks (e.g. JWICS/NSAnet) to Marine Corps Enterprise Network-SIPR (MCEN-S) networks for delivery to Tactical Commanders.

The overall increase of $14.432M is primarily due to the realignment of TCAC and IAS resources to DCGS-MC. This concentrates investments in an integrated architecture thereby improving DCGS Enterprise alignment and more effectively leveraging the rapid integration of new technology.

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total
Title: DCGS-MC GEOINT: Product Development	4.035	2.221	5.237	0.000	5.237
Articles:	-	-	-	-	-
FY 2019 Plans: - Initiate support for research and development activities to consolidate software and hardware for common GEOINT servers and workstations. -Initiate support for research and development activities to integrate the Enterprise Hub (EHUB) into DCGS-MC. The EHUB will provide infrastructure and services for computing, networking, and storage that can be provisioned and shared virtually over networks across the MCISRE. - Initiate Common GEOINT Baseline hardware and software accreditation efforts to extend services to JWICS and other security domains/networks (MCEN-NIPR, Domain reciprocity, Virtual Machine Accreditation, Centrix, etc) to enable increased data discovery and dissemination of Marine Corps intelligence.					

Exhibit R-2A, RDT&E Project Justification: PB 2020 Navy		Date: March 2019
Appropriation/Budget Activity 1319 / 7	**R-1 Program Element (Number/Name)** PE 0305208M / *(U)Distributed Common Ground/Surface Systems*	**Project (Number/Name)** 2268 / *Distributed Common Ground System (DCGS-MC)*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total
- Initiate expanded Processing, Exploitation, and Dissemination (PED) reach-back capability to accommodate FMV/GEOINT exploitation in support of tactical intelligence analysts operating in a Disconnected, Intermittent, Limited bandwidth (D-DIL) environment. - Continue support for program ECPs as necessary. - Continue support for DCGS-MC GEOINT software enhancements as identified through configuration control board and engineering review boards in response to OPFOR requirements. - Continue support for research and development activities to integrate ASF capability into DCGS-MC. - Continue support for research and development activities to integrate SIGINT capability into DCGS-MC. - Complete DCGS-MC GEOINT support for software integration of applications such as ArcGIS Portal, iSTORE, CJMTK, and ENVI. ***FY 2020 Base Plans:*** - Initiate support for Project Maven/Artificial Intelligence (AI) integration into Common GEOINT Baseline. - Continue support for JWICS and NIPR domain integration efforts for Common GEOINT Baseline. - Continue support for program ECPs as necessary. - Continue support for DCGS-MC GEOINT software enhancements as identified through configuration control board and engineering review boards in response to OPFOR requirements. - Continue support for research and development activities to integrate garrison EHUB into DCGS-MC. - Continue support for research and development activities to consolidate software and hardware for common GEOINT servers and workstations. ***FY 2020 OCO Plans:*** N/A ***FY 2019 to FY 2020 Increase/Decrease Statement:*** The increase of $3.016M from FY19 to FY20 supports efforts to integrate Maven/AI into the DCGS-MC POR, additional hardware/software accreditation efforts extending services to JWICS and other security domains/ networks, and reach back development efforts required under DCGS-MC GEOINT.					
Title: DCGS-MC GEOINT: Support	0.750	0.875	0.900	0.000	0.900
Articles:	-	-	-	-	-
FY 2019 Plans: - Continue support for systems engineering, interoperability analysis, acquisition planning, and systems integration.					

Exhibit R-2A, RDT&E Project Justification: PB 2020 Navy		Date: March 2019
Appropriation/Budget Activity 1319 / 7	**R-1 Program Element (Number/Name)** PE 0305208M / *(U)Distributed Common Ground/Surface Systems*	**Project (Number/Name)** 2268 / *Distributed Common Ground System (DCGS-MC)*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total
- Initiate support for Project Maven integration planning, data analytics and cloud services capabilities. ***FY 2020 Base Plans:*** - Continue support for Project Maven integration planning, data analytics and cloud services capabilities. - Continue support for systems engineering, interoperability analysis, acquisition planning, and systems integration ***FY 2020 OCO Plans:*** N/A ***FY 2019 to FY 2020 Increase/Decrease Statement:*** No significant change from FY 2019 to FY 2020.					
Title: DCGS-MC GEOINT: Test and Evaluation	8.151	4.214	3.692	0.000	3.692
Articles:	-	-	-	-	-
FY 2019 Plans: -Continues Post Milestone C SETR activities associated with DCGS-MC Capability Drops, software integration and associated test events. -Continues test efforts in support of commonality of HW/SW baselines across Common GEOINT systems, such as DCGS-MC, VIP-MC, TEG-RWS and TPC. -Continues Cyber Security Test Events to maintain system security postures. -Continues integration and interoperability testing of a JWICS SIPRNet CDS that will be part of the DCGS portfolio Authorized Acquisition Objective and facilitate the ability to share higher level intelligence to a broader audience for analysis and action. -Continues test events associated with GEOINT and Imagery hardware refresh -Continues software and hardware consolidation studies to support the development of the Common GEOINT Server and Common Workstation. -Continues software development efforts to provide enhanced software capabilities within the current EDS System baseline. -Initiates integration of EHUB capability into DCGS-MC. -Initiates integration of ASF capability into DCGS-MC. -Initiates integration of SIGINT capability into DCGS-MC. ***FY 2020 Base Plans:***					

Exhibit R-2A, RDT&E Project Justification: PB 2020 Navy		Date: March 2019
Appropriation/Budget Activity 1319 / 7	**R-1 Program Element (Number/Name)** PE 0305208M / *(U)Distributed Common Ground/Surface Systems*	**Project (Number/Name)** 2268 / *Distributed Common Ground System (DCGS-MC)*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total
- Continue Post Milestone C SETR activities associated with DCGS-MC Capability Drops, software integration and associated test events. - Continue support for systems engineering, interoperability analysis, acquisition planning, and systems integration - Continue support for research and development activities that impact the acquisition of military intelligence, surveillance, and reconnaissance systems. - Continue requirements traceability efforts for all DCGS-MC programs, including Key Performance Parameters and Key System Attributes to ensure fielded systems or systems under development meet/continue to meet systems and sub-systems specifications and requirements, providing materiel solutions which meet operational requirements, verified through appropriate developmental and operational test events. - Continue GEOINT systems requirements review and support for GEOINT software enhancements, leveraging the DCGS Mission Execution Team Office and DCGS-MC Configuration Control Board to refine and integrate system requirements through the RDP in order to deliver GEOINT capabilities that keep pace with technology and meet OPFOR requirements - Continue support for research and development activities to integrate ASF capability into DCGS-MC. - Continue support for research and development activities to integrate SIGINT capability into DCGS-MC. - Continue support for research and development activities to integrate Enterprise Services into DCGS-MC (EHub). - Continue support for software and hardware consolidation development and integration activities associated with DCGS-MC GEOINT efforts which will reduce the overall GEOINT hardware footprint, while combining legacy capabilities into a single baseline, providing a more flexible Geospatial, Full Motion Video, Imagery and Target Material Production workstation/suite of equipment. - Continue support for integration and testing of advanced analytics tools and AI/ML into the software baseline. - Initiate support for JWICS and NIPR domain integration efforts for Common GEOINT Baseline to allow for increase data discovery and dissemination of Marine Corps intelligence - Initiate support for expanded Processing, Exploitation, and Dissemination (PED) reach-back capability to accommodate FMV/GEOINT exploitation in support of tactical intelligence analysts operating in a Disconnected, Intermittent, Limited bandwidth (D-DIL) environment.					
FY 2020 OCO Plans: N/A					
FY 2019 to FY 2020 Increase/Decrease Statement:					

Exhibit R-2A, RDT&E Project Justification: PB 2020 Navy		Date: March 2019
Appropriation/Budget Activity 1319 / 7	**R-1 Program Element (Number/Name)** PE 0305208M / *(U)Distributed Common Ground/Surface Systems*	**Project (Number/Name)** 2268 / *Distributed Common Ground System (DCGS-MC)*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total
The decrease of $.522M from FY19 to FY20 supports the DCGS GEOINT baseline consolidation efforts.					
Title: DCGS-MC GEOINT: Management Services	0.402	0.300	0.309	0.000	0.309
Articles:	-	-	-	-	-
FY 2019 Plans: - Continue support for research and development activities that impact the acquisition of military intelligence, surveillance, and reconnaissance systems. - Continue support for systems engineering, interoperability analysis, acquisition planning, and systems integration expertise. - Continue support for program ECPs as necessary. - Initiate support for research and development activities to integrate garrison EHUB into DCGS-MC. - Initiate support for research and development activities to consolidate software and hardware for common GEOINT servers and workstations. - Complete DCGS-MC GEOINT support for software integration of applications such as ArcGIS Portal, iSTORE, CJMTK, and ENVI. - Complete support for research and development activities to integrate ASF capability into DCGS-MC. - Complete support for research and development activities to integrate SIGINT capability into DCGS-MC.					
FY 2020 Base Plans: - Continue support for research and development activities that impact the acquisition of military intelligence, surveillance, and reconnaissance systems.					
FY 2020 OCO Plans: N/A					
FY 2019 to FY 2020 Increase/Decrease Statement: No significant change from FY 2019 to FY 2020.					
Title: DCGS-MC All Source: Product Development	0.000	0.000	3.480	0.000	3.480
Articles:	-	-	-	-	-
FY 2019 Plans: N/A					
FY 2020 Base Plans: - Continue integration, system testing, and evaluation of Intelligence Servers into the IAS FoS.					

Exhibit R-2A, RDT&E Project Justification: PB 2020 Navy		Date: March 2019
Appropriation/Budget Activity 1319 / 7	**R-1 Program Element (Number/Name)** PE 0305208M / *(U)Distributed Common Ground/Surface Systems*	**Project (Number/Name)** 2268 / *Distributed Common Ground System (DCGS-MC)*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total
- Continue integration, system testing, and evaluation of advanced analytic technologies into the Intelligence Analysis System (IAS) Family of Systems (FoS). ***FY 2020 OCO Plans:*** N/A ***FY 2019 to FY 2020 Increase/Decrease Statement:*** The IAS program was previously funded in PE 0206625M, Project 2272 in FY19 and prior. Decrease of $0.425M from FY19 (PE 0206625M, Project 2272 $3.905M) to FY20 reflects the completion of the DCGS Integrated Backbone into the IAS FoS.					
Title: DCGS-MC All Source: Test and Evaluation	0.000	0.000	1.936	0.000	1.936
Articles:	-	-	-	-	-
FY 2019 Plans: N/A ***FY 2020 Base Plans:*** - Continue support for integration of advanced analytics tools into the IAS FoS software baseline. - Continue support for integration and testing of Intelligence Servers into the IAS FoS. - Continue testing and evaluation for the Cross Domain Solution. ***FY 2020 OCO Plans:*** N/A ***FY 2019 to FY 2020 Increase/Decrease Statement:*** The IAS program was previously funded in PE 0206625M, Project 2272 in FY19 and prior. Increase of $0.236M from FY19 (PE 0206625M, Project 2272 $1.700M) to FY 20 reflects the continuation of testing and evaluation for the Cross Domain Solution.					
Title: DCGS-MC All Source: Management Services	0.000	0.000	0.300	0.000	0.300
Articles:	-	-	-	-	-
FY 2019 Plans: N/A ***FY 2020 Base Plans:***					

Exhibit R-2A, RDT&E Project Justification: PB 2020 Navy		Date: March 2019
Appropriation/Budget Activity 1319 / 7	**R-1 Program Element (Number/Name)** PE 0305208M / *(U)Distributed Common Ground/Surface Systems*	**Project (Number/Name)** 2268 / *Distributed Common Ground System (DCGS-MC)*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total
- Continue program management support for integration of advanced analytics tools into the IAS FoS software baseline. - Continue program management support for integration and testing of Intelligence Servers into the IAS FoS. ***FY 2020 OCO Plans:*** N/A ***FY 2019 to FY 2020 Increase/Decrease Statement:*** The IAS program was previously funded in PE 0206625M, Project 2272 in FY19 and prior. Decrease of $0.267M from FY19 (PE 0206625M, Project 2272 $0.567M) to FY20 reflects the completion of the DCGS Integrated Backbone into the IAS FoS.					
Title: DCGS-MC SIGINT: Test and Evaluation ***Articles:*** ***FY 2019 Plans:*** N/A ***FY 2020 Base Plans:*** -Complete final developmental testing events before fielding decision for the RAWS -Complete research and testing for the TWS technical research to finalize decision for product procurement. -Continue test design in support of the next hardware refresh for RAWS and CDS. ***FY 2020 OCO Plans:*** N/A ***FY 2019 to FY 2020 Increase/Decrease Statement:*** The TCAC program was previously funded in PE 0206625M project 2272 in FY19 and prior. Decreased of $.318M from FY19 (PE 0206625M project 2272 $2.534M) to FY20 reflects the completion of research and test design in support of next hardware refresh/TCAC FoS capability enhancements.	0.000 -	0.000 -	2.216 -	0.000 -	2.216 -
Title: DCGS-MC SIGINT: Product Development ***Articles:*** ***FY 2019 Plans:*** N/A ***FY 2020 Base Plans:*** -Complete product development for the TWS hardware refresh in order to conduct testing and evaluation events.	0.000 -	0.000 -	2.928 -	0.000 -	2.928 -

Exhibit R-2A, RDT&E Project Justification: PB 2020 Navy		Date: March 2019
Appropriation/Budget Activity 1319 / 7	**R-1 Program Element (Number/Name)** PE 0305208M / *(U)Distributed Common Ground/Surface Systems*	**Project (Number/Name)** 2268 / *Distributed Common Ground System (DCGS-MC)*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total
-Continue research in support of next CDS hardware refresh. -Complete research and development for RAWS. -Initiate integration of AI/ML components for FoS. ***FY 2020 OCO Plans:*** N/A ***FY 2019 to FY 2020 Increase/Decrease Statement:*** The TCAC program was previously funded in PE 0206625M project 2272 in FY19 and prior. Decrease of $.587M from FY19 (PE 0206625M $3.515) to FY20 reflects completion of system development and system design for JICD 4.2 and TWS software baseline.					
Title: DCGS-MC SIGINT: Support ***Articles:*** ***FY 2019 Plans:*** N/A ***FY 2020 Base Plans:*** -Continue technical support of improvement to TCAC software baseline based on the Secure the Enterprise/ Secure the Network infinitives required by NSA for network connectivity. -Continue technical support for the next hardware refresh for each component of the FoS. ***FY 2020 OCO Plans:*** N/A ***FY 2019 to FY 2020 Increase/Decrease Statement:*** The TCAC program was previously funded in PE 0206625M project 2272 in FY19 and prior. Increase of $.753M from FY19 (PE 0206625M project 2272 $.291M) to FY20 supports the technical support of improvements to TCAC baseline and for next TCAC hardware refresh/TCAC FoS capability enhancements.	0.000 -	0.000 -	1.044 -	0.000 -	1.044 -
Accomplishments/Planned Programs Subtotals	13.338	7.610	22.042	0.000	22.042

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	Cost To Complete	Total Cost
• PMC/47671: *DCGS-MC GEOINT*	12.883	16.081	20.516	-	20.516	19.000	16.560	17.860	20.626	Continuing	Continuing
• PMC/47672: *DCGS-MC All Source*	0.000	0.000	0.000	7.770	7.770	11.165	8.210	8.375	8.542	Continuing	Continuing

Exhibit R-2A, RDT&E Project Justification: PB 2020 Navy		Date: March 2019
Appropriation/Budget Activity 1319 / 7	**R-1 Program Element (Number/Name)** PE 0305208M / *(U)Distributed Common Ground/Surface Systems*	**Project (Number/Name)** 2268 / *Distributed Common Ground System (DCGS-MC)*

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	Cost To Complete	Total Cost
• PMC/47673: *DCGS-MC SIGINT*	0.000	0.000	0.000	4.276	4.276	4.262	2.853	2.938	2.997	Continuing	Continuing
• PMC/70001: *DCGS-MC All Source Spares*	0.000	0.000	0.166	-	0.166	0.169	0.172	0.176	0.180	Continuing	Continuing

Remarks

D. Acquisition Strategy

The Acquisition Strategy shall follow a hybrid approach consisting of a viable mix of alternatives that allows flexibility, agility and rapid fielding of new capabilities. An evolutionary acquisition approach will provide users with time-phased increments of capabilities that (while less than the full requirement), promote earlier delivery, improve affordability, and reduce risk. The evolutionary approach enables DCGS-MC to effectively assess and leverage emerging technologies to accelerate introduction into MCISRE. The DCGS-MC capabilities will be fielded in increments through operational capability drops.

E. Performance Metrics

-Quarterly Dashboard Input
-IOC

Exhibit R-3, RDT&E Project Cost Analysis: PB 2020 Navy		Date: March 2019
Appropriation/Budget Activity 1319 / 7	**R-1 Program Element (Number/Name)** PE 0305208M / *(U)Distributed Common Ground/Surface Systems*	**Project (Number/Name)** 2268 / *Distributed Common Ground System (DCGS-MC)*

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2018 Cost	FY 2018 Award Date	FY 2019 Cost	FY 2019 Award Date	FY 2020 Base Cost	FY 2020 Base Award Date	FY 2020 OCO Cost	FY 2020 OCO Award Date	FY 2020 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
DCGS-MC GEOINT	C/CPFF	SSCA : Charleston, SC	0.000	1.785	Mar 2018	1.068	Dec 2018	2.422	Feb 2020	-		2.422	Continuing	Continuing	Continuing
DCGS-MC GEOINT - Classified Services	Various	N/A : N/A	0.000	2.250	Jun 2018	1.153	Mar 2019	2.815	Mar 2020	-		2.815	Continuing	Continuing	Continuing
DCGS-MC All Source - GOVT	WR	SSCA : Charleston, SC	0.000	0.000		0.000		1.800	Jan 2020	-		1.800	Continuing	Continuing	Continuing
DCGS-MC All Source	C/CPFF	SSCA : Charleston, SC	0.000	0.000		0.000		1.680	Feb 2020	-		1.680	Continuing	Continuing	Continuing
DCGS-MC SIGINT	C/CPFF	SSCA : Charleston, SC	0.000	0.000		0.000		1.728	Dec 2019	-		1.728	Continuing	Continuing	Continuing
DCGS-MC SIGINT	MIPR	DTIC : Ft. Belvoir, VA	0.000	0.000		0.000		1.200	Dec 2019	-		1.200	Continuing	Continuing	Continuing
DCGS PRIOR YEAR CUMULATIVE FUNDING	Various	N/A : N/A	55.765	0.000		0.000		0.000		-		0.000	Continuing	Continuing	Continuing
		Subtotal	55.765	4.035		2.221		11.645		-		11.645	Continuing	Continuing	N/A

Remarks

$6.408M of the increase from FY19 to FY20 in Product Development is attributed to the realignment of IAS and TCAC resources to the DCGS-MC portfolio as indicated in the R2A. An additional increase of $3.016M in FY20 supports efforts to integrate Maven/AI into the DCGS-MC POR, additional hardware/software accreditation efforts extending services to JWICS and other security domains/networks, and reach back development efforts required under DCGS-MC GEOINT.

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2018 Cost	FY 2018 Award Date	FY 2019 Cost	FY 2019 Award Date	FY 2020 Base Cost	FY 2020 Base Award Date	FY 2020 OCO Cost	FY 2020 OCO Award Date	FY 2020 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
DCGS-MC GEOINT	C/CPFF	SSCA1 : Charleston, SC	0.000	0.750	Mar 2018	0.875	Mar 2019	0.900	Mar 2020	-		0.900	Continuing	Continuing	Continuing
DCGS PRIOR YEAR CUMULATIVE FUNDING	Various	N/A : N/A	7.341	0.000		0.000		0.000		-		0.000	Continuing	Continuing	Continuing
DCGS-MC SIGINT	C/CPFF	DTIC : Ft. Belvoir, VA	0.000	0.000		0.000		1.044	Jun 2020	-		1.044	Continuing	Continuing	Continuing
		Subtotal	7.341	0.750		0.875		1.944		-		1.944	Continuing	Continuing	N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2020 Navy			Date: March 2019
Appropriation/Budget Activity 1319 / 7	R-1 Program Element (Number/Name) PE 0305208M / *(U)Distributed Common Ground/Surface Systems*	Project (Number/Name) 2268 / *Distributed Common Ground System (DCGS-MC)*	

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2018 Cost	FY 2018 Award Date	FY 2019 Cost	FY 2019 Award Date	FY 2020 Base Cost	FY 2020 Base Award Date	FY 2020 OCO Cost	FY 2020 OCO Award Date	FY 2020 Total Cost	Cost To Complete	Total Cost	Target Value of Contract

Remarks

Increase from FY19 to FY20 in Test and Evaluation is attributed to the realignment of IAS and TCAC resources to the DCGS-MC portfolio as indicated in the R2A.

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2018 Cost	FY 2018 Award Date	FY 2019 Cost	FY 2019 Award Date	FY 2020 Base Cost	FY 2020 Base Award Date	FY 2020 OCO Cost	FY 2020 OCO Award Date	FY 2020 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
DCGS- MC GEOINT	Various	SSCA : Charleston, SC	1.593	2.390	May 2018	1.545	Dec 2018	1.500	Jun 2020	-		1.500	Continuing	Continuing	Continuing
DCGS-MC GEOINT	Various	NSWC Crane : Crane, IN	0.000	0.000		0.400	Nov 2018	0.000		-		0.000	Continuing	Continuing	Continuing
DCGS-MC GEOINT	WR	NSMA : Washington DC	0.300	0.354	Jun 2018	0.300	Aug 2019	0.375	Dec 2019	-		0.375	Continuing	Continuing	Continuing
DCGS-MC GEOINT	C/CPFF	SSCA : Charleston, SC	1.589	2.701	Jan 2018	1.969	Dec 2018	0.612	Jan 2020	-		0.612	Continuing	Continuing	Continuing
DCGS-MC GEOINT	C/CPFF	NRL : Washington, DC	1.202	2.706	May 2018	0.000		1.205	May 2020	-		1.205	Continuing	Continuing	Continuing
DCGS-MC All Source	C/CPFF	SSCA : Not Specified	0.000	0.000		0.000		1.936	Jun 2020	-		1.936	Continuing	Continuing	Continuing
DCGS-MC SIGINT	WR	SSCA : Charleston, SC	0.000	0.000		0.000		0.841	Feb 2020	-		0.841	Continuing	Continuing	Continuing
DCGS-MC SIGINT	MIPR	DTIC : Ft. Belvoir, VA	0.000	0.000		0.000		1.375	Jun 2020	-		1.375	Continuing	Continuing	Continuing
DCGS PRIOR YEAR CUMULATIVE FUNDING	Various	N/A : N/A	4.586	0.000		0.000		0.000		-		0.000	Continuing	Continuing	Continuing
		Subtotal	9.270	8.151		4.214		7.844		-		7.844	Continuing	Continuing	N/A

Remarks

Increase from FY19 to FY20 in Test and Evaluation is attributed to the realignment of IAS and TCAC resources to the DCGS-MC portfolio as indicated in the R2A.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2020 Navy		Date: March 2019
Appropriation/Budget Activity 1319 / 7	**R-1 Program Element (Number/Name)** PE 0305208M / *(U)Distributed Common Ground/Surface Systems*	**Project (Number/Name)** 2268 / *Distributed Common Ground System (DCGS-MC)*

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2018 Cost	FY 2018 Award Date	FY 2019 Cost	FY 2019 Award Date	FY 2020 Base Cost	FY 2020 Base Award Date	FY 2020 OCO Cost	FY 2020 OCO Award Date	FY 2020 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
DCGS-MC GEOINT: MITRE	C/CPFF	CECOM : APG, MD	0.000	0.402	Nov 2017	0.300	Nov 2018	0.309	Nov 2019	-		0.309	Continuing	Continuing	Continuing
DCGS-MC All Source	C/FFP	DTIC : Ft. Belvoir, VA	0.000	0.000		0.000		0.300	Apr 2020	-		0.300	Continuing	Continuing	Continuing
		Subtotal	0.000	0.402		0.300		0.609		-		0.609	Continuing	Continuing	N/A

Remarks

Increase from FY19 to FY20 in Management Services is attributed to the realignment of IAS and TCAC resources to the DCGS-MC portfolio as indicated in the R2A.

	Prior Years	FY 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	72.376	13.338		7.610		22.042		-		22.042	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2020 Navy		Date: March 2019
Appropriation/Budget Activity 1319 / 7	**R-1 Program Element (Number/Name)** PE 0305208M / *(U)Distributed Common Ground/Surface Systems*	**Project (Number/Name)** 2268 / *Distributed Common Ground System (DCGS-MC)*

DCGS-MC All Source Program Schedule

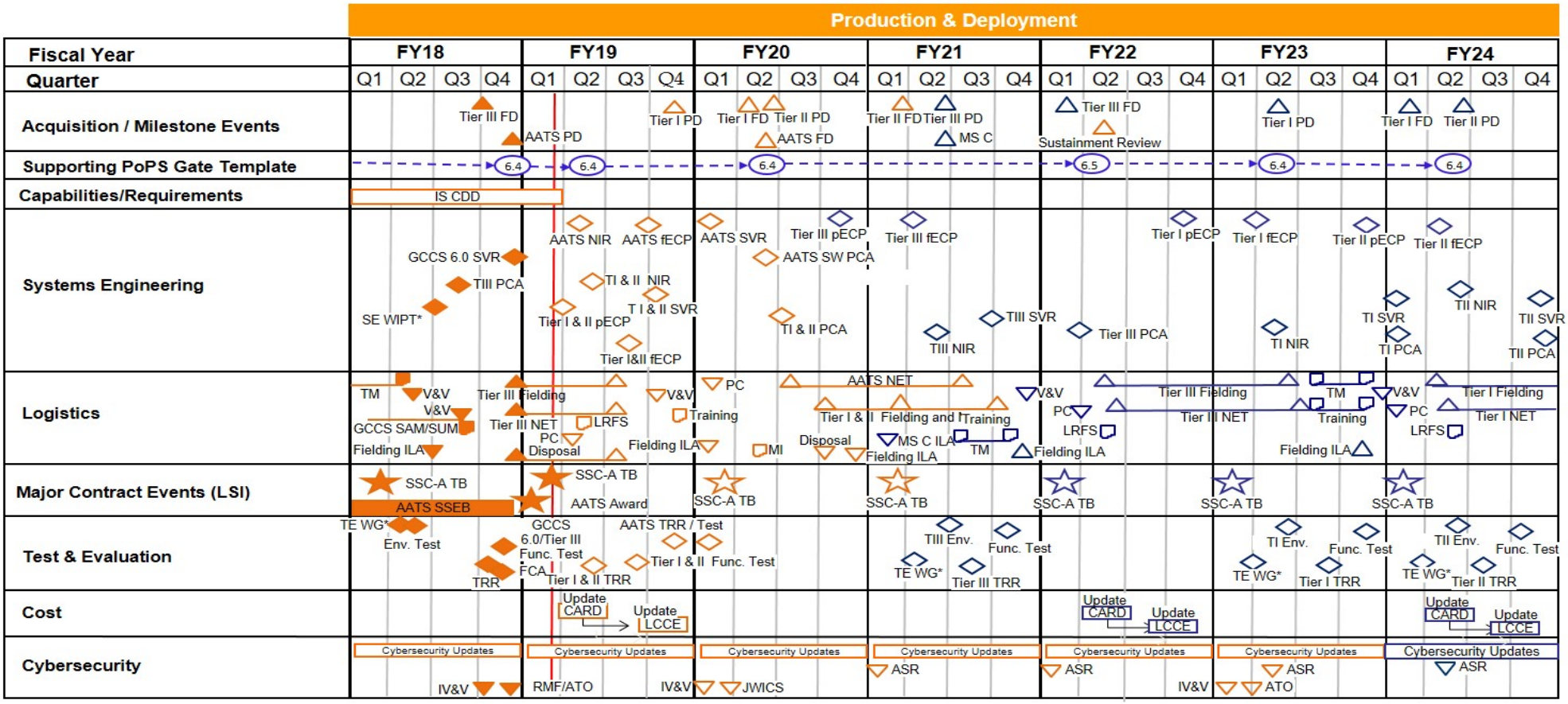

Exhibit R-4, RDT&E Schedule Profile: PB 2020 Navy		Date: March 2019
Appropriation/Budget Activity 1319 / 7	**R-1 Program Element (Number/Name)** PE 0305208M / *(U)Distributed Common Ground/Surface Systems*	**Project (Number/Name)** 2268 / *Distributed Common Ground System (DCGS-MC)*

DCGS-MC SIGINT Program Schedule

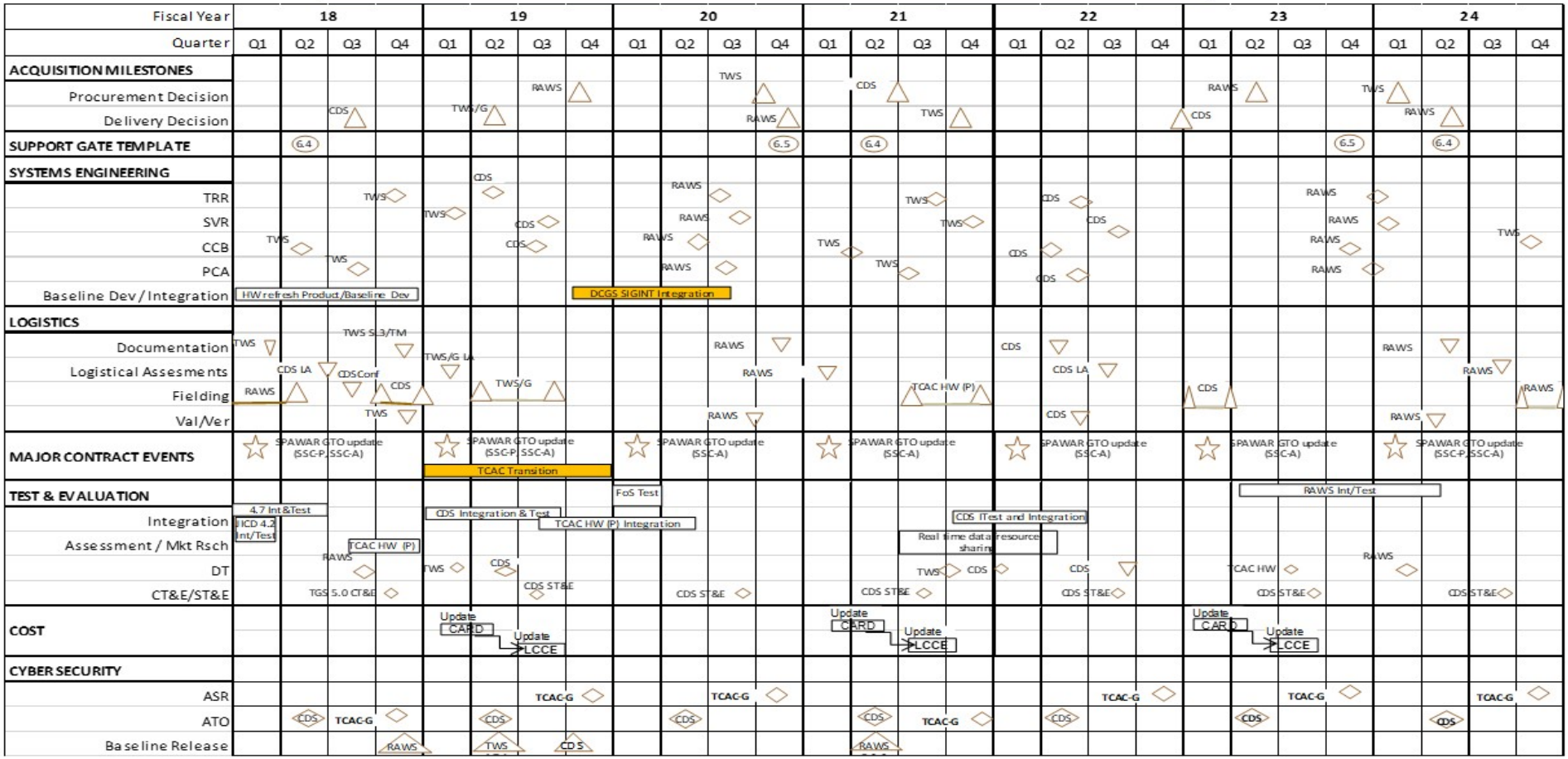

Exhibit R-4, RDT&E Schedule Profile: PB 2020 Navy		Date: March 2019
Appropriation/Budget Activity 1319 / 7	**R-1 Program Element (Number/Name)** PE 0305208M / *(U)Distributed Common Ground/Surface Systems*	**Project (Number/Name)** 2268 / *Distributed Common Ground System (DCGS-MC)*

DCGS-MC GEOINT Program Schedule

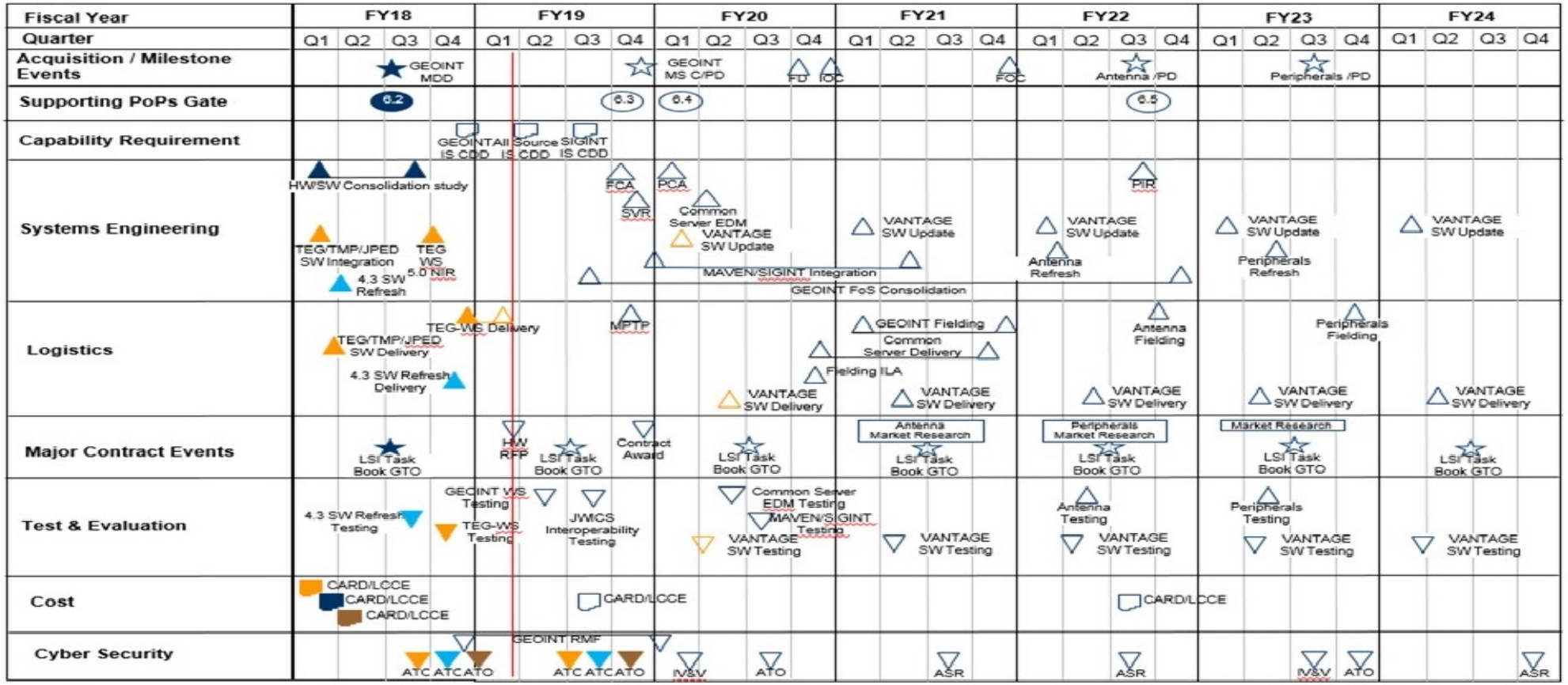

Exhibit R-4A, RDT&E Schedule Details: PB 2020 Navy		Date: March 2019
Appropriation/Budget Activity 1319 / 7	**R-1 Program Element (Number/Name)** PE 0305208M / *(U)Distributed Common Ground/Surface Systems*	**Project (Number/Name)** 2268 / *Distributed Common Ground System (DCGS-MC)*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Proj 2268				
DCGS-MC GEOINT: GEOINT Common Server Testing	2	2020	2	2020
DCGS-MC GEOINT: JWICS/CDS Interoperability Testing	3	2019	3	2019
DCGS-MC GEOINT: GEOINT MS C FRP	4	2019	4	2019
DCGS-MC GEOINT: Maven Integration	4	2019	2	2021
DCGS-MC GEOINT: GEOINT Fielding Decision	4	2020	4	2020
DCGS-MC GEOINT: GEOINT IOC	4	2020	4	2020
DCGS-MC GEOINT: Common Server Delivery	4	2020	4	2021
DCGS-MC All Source: TIER I Fielding Decision	2	2020	2	2020
DCGS-MC All Source: TIER II Procurement Decision	2	2020	2	2020
DCGS-MC All Source: AATS Fielding Decision	2	2020	2	2020
DCGS-MC SIGINT: TWS Procurement Decision	4	2020	4	2020
DCGS-MC SIGINT: RAWS Delivery Decision	4	2020	4	2020