Exhibit R-2, RDT&E Budget Item Justification: FY 2018 Navy **Date:** May 2017

Appropriation/Budget Activity

R-1 Program Element (Number/Name)

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

PE 0305208M I (U)Distributed Common Ground/Surface Systems

Systems Development

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	70.765	1.105	2.100	12.867	-	12.867	3.947	3.766	3.287	3.291	Continuing	Continuing
2268: Distributed Common Ground System (DCGS-MC)	70.765	1.105	2.100	12.867	-	12.867	3.947	3.766	3.287	3.291	Continuing	Continuing

## A. Mission Description and Budget Item Justification

DCGS-MC, in compliance with the Department of Defense DCGS Family of Systems (FOS) concept, is a service-level effort to migrate select USMC Intelligence, Surveillance and Reconnaissance (ISR) processing and exploitation capabilities into a single, integrated, net-centric baseline that will be interoperable with other services and agencies.

Multiple functional capability sets will be configured to support Marine intelligence analysts across the Marine Air-Ground Task Force (MAGTF). The goal of DCGS-MC is to make external and internal ISR data more visible, accessible, and understandable.

B. Program Change Summary (\$ in Millions)	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total
Previous President's Budget	1.105	2.100	2.928	-	2.928
Current President's Budget	1.105	2.100	12.867	-	12.867
Total Adjustments	0.000	0.000	9.939	-	9.939
Congressional General Reductions	-	-			
Congressional Directed Reductions	-	-			
Congressional Rescissions	-	-			
<ul> <li>Congressional Adds</li> </ul>	-	-			
<ul> <li>Congressional Directed Transfers</li> </ul>	-	-			
Reprogrammings	-	-			
SBIR/STTR Transfer	-	-			
Program Adjustments	0.000	0.000	9.930	-	9.930
Rate/Misc Adjustments	0.000	0.000	0.009	-	0.009

## **Change Summary Explanation**

The increase of \$10.767M from FY17 to FY18 provides integration and interoperability testing of a Joint Worldwide Intelligence Communications System (JWICS) Cross Doman Solution, software and hardware consolidation studies to support the development of a Common Geospatial Intelligence (GEOINT) Server, software capability enhancements for the Enterprise DCGS Integration Backbone (DIB) Services (EDS), and Aeronautical Reconnaissance Coverage Geographic Information System (ArcGIS) Portal integration, as well as integration and test efforts to provide the National Geospatial Intelligence Agency's (NGA) iStore Integrated Product Library and data ingest capability within the DCGS-MC Programs of Record. Increase also supports imagery hardware AAO increase, including approximately 35 Tactical

Exhibit R-2, RDT&E Budget Item Justification: FY 2018 Navy		Date: May 2017
Appropriation/Budget Activity	R-1 Program Element (Number/Name)	
319: Research, Development, Test & Evaluation, Navy I BA 7: Operational Systems Development	PE 0305208M I (U)Distributed Common Ground/Surface	ce Systems
Exploitation Group (TEG) and 18 Topographic Production Capability (T integration and test efforts associated with geospatial and imagery hard sharing and fusion efforts, provide greater awareness in the Joint/Coali (JPED) effort.	dware refreshes of current fielded assets. These efforts	enhance the USMC's Intelligence

PE 0305208M: *(U)Distributed Common Ground/Surface Sys...*Navy

Exhibit R-2A, RDT&E Project J	ustification:	FY 2018 N	lavy							Date: May	2017	
Appropriation/Budget Activity 1319 / 7		PE 030520		ent (Number/Name) Distributed Common stems  Project (Number/Name) 2268 I Distributed Common Ground (DCGS-MC)								
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
2268: Distributed Common Ground System (DCGS-MC)	70.765	1.105	2.100	12.867	-	12.867	3.947	3.766	3.287	3.291	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

## A. Mission Description and Budget Item Justification

Distributed Common Ground/Surface System Marine Corps (DCGS-MC) Enterprise will be a Family of Systems (FoS) providing all source analysis and production within garrison and deployed Marine Corps organizations. DCGS-MC will comply 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 DoD DCGS Enterprise provides worldwide garrison, and forward projection of tactical ISR capabilities at the JTF level and below. The DoD DCGS Enterprise enhances intelligence sharing within the Joint Services, the Intelligence Community, and Coalition Forces throughout all phases of operations. Each individual Military Service DCGS Program of Record provides unique and distinct capabilities to the overall DoD DCGS Enterprise. DCGS-MC GEOINT consists of GEOINT Imagery and Topographic Capability, Enterprise DCGS Integration Backbone System (EDS), Virtual Imagery Processing - Marine Corps (VIP-MC), Target Material Production (TMP) Full Motion Video Optical Navigation Exploitation (FMV-ONE), and Moving Target Indicator (MTI) systems. These capabilities will be delivered via clearly defined Engineering Change Proposals (ECPs). The specific content of each ECP will be determined by an integrated assessment of user needs, technology readiness, risk mitigation, and affordability.

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total
Title: Test and Evaluation	1.051	1.948	8.683	0.000	8.683
<b>Description:</b> The overall increase of \$6.735M from FY17 to FY18 provides integration and interoperability testing of a Joint Worldwide Intelligence Communications System (JWICS) Cross Doman Solution (CDS) that will facilitate the ability to share higher level intelligence to a broader audience for analysis and action. Funding also addresses Joint Strike Fighter (JSF) requirements, including initiation and test efforts for approximately 35 Tactical Exploitation Group (TEG) and 18 Topographic Production Capability (TPC) assets in support of JSF squadrons in order to capture increased data sensing capability with newer aviation platforms. Funding will be used to support the integration of Commercial Joint Mapping Toolkit (CJMTK) Aeronautical Reconnaissance Coverage Geographic Information System (ArcGIS) Portal to price data sharing and data management capability across Marine Expeditionary Forces/Intelligence (INTEL) Battalions and MCISRE Network architectures.		-	-	-	-

Exhibit R-2A, RDT&E Project Justification: FY 2018 Navy				Date: May	2017			
Appropriation/Budget Activity 1319 / 7	R-1 Program Element (Number PE 0305208M <i>I</i> (U)Distributed Co Ground/Surface Systems		Project (Number/Name) 2268 I Distributed Common Ground S (DCGS-MC)					
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantity	ties in Each)	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total		
Additionally, funds will support integration and test efforts associated with imagery hardware refreshes of current fielded assets and testing and cyber Geospatial Intelligence Agency's (NGA) iSTORE Software into the DCGC Specifically for EDS, intent is to provide an Enhanced Directory Monitor, Compared Acronym Finder, Geospatial Extraction, and Metadata Entry Automation of DCGS-MC will be multi-network capable, able to integrate with Intelligence DCGS Enterprise on JWICS and Coalition networks.	er security certification of National E-MC Programs of Record (PoR). Optical Character Recognition, capability software enhancements.							
FY 2016 Accomplishments:  - Continued Post Milestone C System Engineering Test Review (SETR) a Capability Drops, software integration and associated test events.  - Continued test efforts in support of commonality of HW/SW baselines at DCGS-MC, VIP-MC, TEG-RWS and TPC.  - Completed EDS Graphic User Interface update.  - Initiated Cyber Security Test Events to maintain system security posture.  - Initiated Operating System upgrade integration into DCGS-MC GEOINT.  - Initiated test efforts in support of Geodetic Survey Set refresh.	cross GEOINT systems, such as							
FY 2017 Plans:  - Continue Post Milestone C System Engineering Test Review (SETR) ac Capability Drops, software integration and associated test events.  - Continue test efforts in support of commonality of HW/SW baselines acrommoder. MC, VIP-MC, TEG-RWS and TPC.  - Continue Cyber Security Test Events to maintain system security posture. Continue Operating System upgrade integration into DCGS-MC GEOINT-Complete test efforts in support of Geodetic Survey Set refresh.	oss GEOINT systems, such as DCGS-es.							
FY 2018 Base Plans:  - Continue Post Milestone C System Engineering Test Review (SETR) ac Capability Drops, software integration and associated test events.  - Continue test efforts in support of commonality of HW/SW baselines acrommodified MC, VIP-MC, TEG-RWS and TPC.  - Continue Operating System upgrade integration into DCGS-MC GEOINT-Continue Cyber Security Test Events to maintain system security posture.	oss GEOINT systems, such as DCGS-T Systems.							

Exhibit R-2A, RDT&E Project Justification: FY 2018 Navy				Date: May	2017	
Appropriation/Budget Activity 1319 / 7	R-1 Program Element (Number/ PE 0305208M / (U)Distributed Co Ground/Surface Systems			umber/Nan tributed Cor C)		nd System
B. Accomplishments/Planned Programs (\$ in Millions, Article Qua	ntities in Each)	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total
-Initiate integration and interoperability testing of a Joint Worldwide Inte (JWICS) Cross Doman Solution (CDS) that will be part of the DCGS pot and facilitate the ability to share higher level intelligence to a broader and -Initiate Joint Strike Fighter (JSF) requirements, including initiation and Exploitation Group (TEG) and 18 Topographic Production Capability (Totalian order to capture increased data sensing capability with newer aviational initiate test events associated with GEOINT hardware refresh.  - Initiate test events associated with Imagery hardware refresh.  - Initiate software and hardware consolidation studies to support the delintelligence Server.  - Initiate integration, testing and cyber security certification or National istore Integrated Product Library software into DCGS-MC Programs of - Initiate software development efforts to provide enhanced software capacity integration Backbone (DIB) Services (EDS) System baseline.  - Initiate integration, test and cyber security certification efforts to integrate Geographic Information System (ArcGIS) Portal within the Decorate Coverage Geographic Information System (ArcGIS) Portal within the Decorate Coverage Geographic Information System (ArcGIS) Portal within the Decorate Coverage Geographic Information System (ArcGIS) Portal within the Decorate Coverage Geographic Information System (ArcGIS) Portal within the Decorate Coverage Geographic Information System (ArcGIS) Portal within the Decorate Coverage Geographic Information System (ArcGIS) Portal within the Decorate Coverage Geographic Information System (ArcGIS) Portal within the Decorate Coverage Geographic Information System (ArcGIS) Portal within the Decorate Coverage Geographic Information System (ArcGIS) Portal within the Decorate Coverage Geographic Information System (ArcGIS) Portal within the Decorate Coverage Geographic Information System (ArcGIS) Portal within the Decorate Coverage Geographic Information System (ArcGIS) Portal Within the Decorate Coverage Geographic Information System (	ortfolio Approved Acquisition Objective audience for analysis and action. I test efforts for approximately 35 Tactical FPC) assets in support of JSF squadrons on platforms.  evelopment of the Common Geospatial Geospatial Intelligence Agency's (NGA) of Record.  apabilities within the current Enterprise rate Aeronautical Reconnaissance					
FY 2018 OCO Plans: N/A						
Title: Management Services - Engineering and Technical Services	Articles:	0.054	0.152	4.184	0.000	4.184
<b>Description:</b> The overall increase of \$4.032M from FY17 to FY18 provesting of a Joint Worldwide Intelligence Communications System (JWICS) Cross Doma DCGS portfolio Approved Acquisition Objective and facilitate the ability to sha audience for analysis and action. Funding also addresses Joint Strike initiation and test efforts for approximately 35 Tactical Exploitation Gro Capability (TPC) assets in support of JSF squadrons in order to captur newer aviation platforms. Funding will be used to support the integratio (CJMTK) Aeronautical Reconnaissance Coverage Geographic Information and data management capability across	an Solution (CDS) that will be part of the re higher level intelligence to a broader Fighter (JSF) requirements, including up (TEG) and 18 Topographic Production re increased data sensing capability with on of Commercial Joint Mapping Toolkit					

Exhibit R-2A, RDT&E Project Justification: FY 2018 Navy				Date: May	2017		
Appropriation/Budget Activity 1319 / 7		R-1 Program Element (Number/Name) PE 0305208M I (U)Distributed Common Ground/Surface Systems Project 2268 I E (DCGS-					
B. Accomplishments/Planned Programs (\$ in Millions, Article C	<u>Quantities in Each)</u>	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	
Marine Expeditionary Forces/Intelligence (INTEL) Battalions and Morfunds will support integration and test efforts associated with geospatial in refreshes of current fielded assets and testing and cyber security condenses (NGA) iSTORE Software into the DCGC-MC Programs of is to provide an Enhanced Directory Monitor, Optical Character Reconstruction, and Metadata Entry Automation capability software enhanceable, able to integrate with Intelligence databases and elements Coalition networks.  FY 2016 Accomplishments:  -Continued support for systems engineering, interoperability analysis integration expertise.  -Continued support for research and development activities that impourveillance, and reconnaissance systems.	Intelligence (GEOINT) and imagery hardware entification of National Geospatial Intelligence Record (PoR). Specifically for EDS, intent cognition, Acronym Finder, Geospatial cancements. DCGS-MC will be multi-network of the DoD DCGS Enterprise on JWICS and is, acquisition planning, and systems						
FY 2017 Plans:  -Continued support for systems engineering, interoperability analysi integration expertise.  -Continued support for research and development activities that impusurveillance, and reconnaissance systems.  - Initiate system requirement analysis and review for future software and Signals Intelligence (SIGINT).  - Initiate Requirements Traceability Mapping (RTM) for all DCGS-M parameters (KPPs), Key System Attributes (KSAs) through systems requirements.  - Initiate support for program Engineering Change Proposals (ECPs - Initiate systems requirements review and utilize DIB Management requirements through the Requirements Development Process (RD FY 2018 Base Plans:  -Continue support for systems engineering, interoperability analysis integration expertise.	pact the acquisition of military intelligence, a releases to include All Source Fusion (ASF)  C requirements to key performance and sub-systems specifications and specifications are specifications.						

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Exhibit R-2A, RDT&E Project Justification: FY 2018 Navy			Date: May 2017
Appropriation/Budget Activity	R-1 Program Element (Number/Name)	Project (N	umber/Name)
1319 / 7	PE 0305208M I (U)Distributed Common	2268 I Dist	tributed Common Ground System
	Ground/Surface Systems	(DCGS-M	C)

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total
-Continue support for research and development activities that impact the acquisition of military intelligence, surveillance, and reconnaissance systems.  -Continue system requirement analysis and review for future software releases to include ASF and SIGINT.  -Continue RTMs for all DCGS-MC requirements to KPPs, KSAs through systems and sub-systems specifications and requirements.  -Continue support for program ECPs as necessary.  -Continue systems requirements review and utilize DMO to refine all system requirements through the RDP.  -Initiate DCGS-MC GEOINT support for software integration of applications such as ArcGIS Portal, iSTORE, CJMTK, and ENVI.  -Initiate support for DCGS-MC GEOINT software enhancements as identified through configuration control board and engineering review boards in response to OPFOR requirements.					
FY 2018 OCO Plans: N/A					
Accomplishments/Planned Programs Subtotals	1.105	2.100	12.867	0.000	12.867

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

PE 0305208M: (U)Distributed Common Ground/Surface Sys...

			FY 2018	FY 2018	FY 2018					<b>Cost To</b>	
<u>Line Item</u>	FY 2016	FY 2017	<b>Base</b>	000	<b>Total</b>	FY 2019	FY 2020	FY 2021	FY 2022	Complete	<b>Total Cost</b>
<ul> <li>PMC 4767: Distributed</li> </ul>	1.947	15.031	13.462	-	13.462	14.542	11.516	10.775	11.043	0.000	123.828
Common Ground System											

### **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 MCISR-E. 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 I	Project C	ost Analysis: FY 2	018 Navv	,			,					Date:	May 201	7	
Appropriation/Budge			0101141			PE 030	ogram Ele 5208M / ( I/Surface S	U)Distrib		,		(Numbei	r/Name)	n Ground	l System
Product Developmen	nt (\$ in M	illions)		FY 2	2016	FY	2017		2018 ase	FY 2	2018 CO	FY 2018 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To	Total Cost	Target Value of Contrac
DCGS PRIOR YEAR CUMMULATIVE FUNDING	Various	N/A : N/A	55.765	0.000		0.000		0.000		-		0.000	0.000	55.765	-
		Subtotal	55.765	0.000		0.000		0.000		-		0.000	0.000	55.765	-
Support (\$ in Million	s)			FY 2	2016	FY 2	2017		2018 ase	FY 2	2018 CO	FY 2018 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To	Total Cost	Target Value of Contract
DCGS PRIOR YEAR CUMMULATIVE FUNDING	Various	N/A : N/A	7.341	0.000		0.000		0.000		-		0.000	0.000		-
		Subtotal	7.341	0.000		0.000		0.000		-		0.000	0.000	7.341	-
Test and Evaluation	(\$ in Milli	ons)		FY 2	2016	FY :	2017		2018 ase	FY 2	2018 CO	FY 2018 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To	Total Cost	Target Value of Contrac
DCGS PRIOR YEAR CUMMULATIVE FUNDING	Various	N/A : N/A	4.017	0.037	Oct 2015	0.075	Oct 2016	0.000		-		0.000	0.000	4.129	-
DCGS	C/FFP	SSCA : Charleston, SC	2.248	0.684	Feb 2016	0.235	Nov 2016	4.059	Dec 2017	-		4.059	Continuing	Continuing	Continuir
EDS CDS Initial Capibility Enhancments	C/CPFF	SSCA : Charleston, SC	0.000	0.000		0.000		3.391	Dec 2017	-		3.391	0.000	3.391	-
TPC Integration	C/CPFF	NSWC Crane : Crane, IN	0.000	0.330	Mar 2016	0.306	Nov 2016	0.500	Nov 2017	-		0.500	0.000	1.136	-
FMV-ONE Integration	WR	NRL : Washington DC	0.000	0.000		1.332	Mar 2017	0.733	Nov 2017	-		0.733	0.000	2.065	-
	•	Subtotal	6.265	1.051		1.948		8.683		_		8.683	_	_	_

Exhibit R-3, RDT&E Project Cost Analysis: FY 2018 Navy

Appropriation/Budget Activity

1319 / 7

R-1 Program Element (Number/Name)

PE 0305208M I (U)Distributed Common Ground/Surface Systems

Project (Number/Name)

2268 I Distributed Common Ground System

**Date:** May 2017

(DCGS-MC)

Test and Evaluation (\$ in Millions)					FY 2016		FY 2017		FY 2018 Base		FY 2018 OCO		FY 2018 Total			
	Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract

#### Remarks

Increase of \$6.735M in Test and Evaluation will provide for multiple integration and interoperability test events associated with the DCGS portfolio as indicated in the R2A.

Management Service	es (\$ in M	illions)		FY 2	2016	FY 2	2017	FY 2 Ba	2018 ase	FY 2	2018 CO	FY 2018 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
DCGS	MIPR	CECOM : Stafford, Va	1.394	0.024	Oct 2015	0.152	Oct 2016	0.158	Oct 2017	-		0.158	0.000	1.728	-
DCGS EDS	C/CPFF	SSCA : Charleston, SC	0.000	0.000		0.000		2.675	Dec 2017	-		2.675	0.000	2.675	-
DCGS GEOINT	C/CPFF	SSCA : Charleston, SC	0.000	0.000		0.000		1.351	Dec 2017	-		1.351	0.000	1.351	-
DCGS	C/CPFF	DTIC : Ft Belvoir	0.000	0.030	Oct 2015	0.000		0.000		-		0.000	0.000	0.030	-
		Subtotal	1.394	0.054		0.152		4.184		-		4.184	0.000	5.784	-

#### Remarks

Increase of \$4.032M in Management Services will support integration and test efforts associated with GEOINT and imagery hardware refreshes as indicated in the R2A.

	Prior Years	FY 2	2016	FY 2	2017	FY 2 Ba	2018 ise	1	2018 CO	FY 2018 Total	Cost To	Total Cost	Target Value of Contract
Project Cost Totals	70.765	1.105		2.100		12.867		-		12.867	-	-	-

#### Remarks

Increases in the DCGS cost categories 10.767M from FY17 to FY18 provide integration and interoperability testing of a Joint Worldwide Intelligence Communications System (JWICS) Cross Doman Solution (CDS) that will be part of the DCGS portfolio Approved Acquisition Objective and facilitate the ability to share higher level intelligence to a broader audience for analysis and action. Funding also addresses Joint Strike Fighter (JSF) requirements, including initiation and test efforts for approximately 35 Tactical Exploitation Group (TEG) and 18 Topographic Production Capability (TPC) assets in support of JSF squadrons in order to capture increased data sensing capability with newer aviation platforms. Funding will be used to support the integration of Commercial Joint Mapping Toolkit (CJMTK) Aeronautical Reconnaissance Coverage Geographic Information System (ArcGIS) Portal to price data sharing and data management capability across Marine Expeditionary Forces/Intelligence (INTEL) Battalions and MCISRE Network architectures. Additionally, funds will support integration and test efforts associated with geospatial intelligence (GEOINT) and imagery hardware refreshes of current fielded assets and testing and cyber security certification of National Geospatial Intelligence Agency's (NGA) iSTORE Software into the DCGC-MC Programs of Record (PoR). Specifically for EDS, intent is to provide an Enhanced Directory Monitor, Optical Character Recognition, Acronym Finder, Geospatial Extraction, and Metadata Entry Automation

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PE 0305208M: (U)Distributed Common Ground/Surface Sys...
Navy

R-1 Line #239

Exhibit R-3, RDT&E Project Cost Analysis: FY	2018 Navy					Date:	May 2017	7	
Appropriation/Budget Activity 1319 / 7			R-1 Program El PE 0305208M / Ground/Surface	eer/Name) ed Common Ground System					
	Prior Years FY 2016		FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	Cost To	Total Cost	Target Value of Contract
capability software enhancements. DCGS-MC will be multi-ne and Coalition networks. The benefits of obtaining this for US contributes directly to the Joint Processing Exploitation Disse	MC are enhan	ced Intelligence shar	ing and fusion, greater	awareness in the Joint/C	Coalition Environmen	e on swics it, and			

PE 0305208M: *(U)Distributed Common Ground/Surface Sys...* Navy

xhibit R-4, RDT&E Schedule Pro	ofile: F	Y 20	)18 N	lavy																	Da	ite: N	May 2	2017			
appropriation/Budget Activity 319 / 7									PE	1 Pro : 0305 ound/	52081	Л I (U	)Dist	ribute					2268	ect (N I Dis SS-M	stribu				Grou	ınd S	Syste
Fiscal Year		ı	Y16			FY	17			FY18			FY1	L9			FY2	0			FY2	21			FY	22	
Quarter	Q1	Q2	Q3	Q4	Q1	Q2	Q3 C	Q4 Q	1 Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Acquisition / Milestone Events	IOC	FOC	FOC	FOC				FPC A	ADM	FI	DO ADM	TEG ADIN MCOTEA CAT Concurr Request	I IOC EI	DS ADM	Ref At	MC .	DD ADM	Loc Loc	FOC	FOC	Δ						
Supporting PoPS Gate				6.5		6.5	6.5				6.4	.3 6.3			6.3	6.4	6.4	6.4					6.5 6.	5 6.5	6.5		
Capability Requirement						Ent I	S CDD																				
Systems Engineering		OF	FMV	ONE WIND		GE VA	MS 2012 ANTAGE	VANT/		VANTAG	EG-RWS I Asses	ntegration nent 'ANTAGE	VA	ECP Relea	   02		TEG-RWS		ie	FY18 Q	] V	/ANTAGE	Ē [	FY18 (	Quarterly V	ECP Rele	
Test & Evaluation	•	FVT/GA	1		FVT VA	FVT/GAT NTAGE	FVT/AT	FVT/AT	Prototype FVT/AT FVT FVT/AT	(4) <	FVT/AT CDS Testi FVT FGEOINT	FVT	Prototype AT (4)	e DT	ech Inse	DT FVT totype D1		<b>♦</b>	FVT/GAT	<b>◇</b> FVT	/AT (4)		FVT	*C	T/AT (4)		FVT
IA	FY16		ECP Reli Review	ase and	FY17 Q	POAM R	<	and FY1	POAI	y ECP Rele M Review			POAM Re		e and	-	POAM RO	P Relea eview	ise and	FY21 Qua	POAM R		ase and	FY22 Qi	POAM F	CP Relea Review	se and
Logistics	TV Deli	MP ivery Quarterly	livery Hivery FEG Deliv	ease and	WINDOW Delive	VANTAG Deliver GSS Fielding	GE V/A D GC Delivery	SOCIT Delivery	VANT Deliv WIN 1 Deliver	AGE ery	VANTAG Deliver TR 4.X I Fieldin	FY19 Qu	VANTAGE Delivery  TR F arterly EC	4.X INC 2 Fielding	VANTA Deliver	TR 4	VANTAG Deliver X INC 3 elding	y V	VANTAG VANTAG Delive IP-MC Re Deliver	fresh Y Fielding	VANTA Delive	AGE ery	VAN <sup>*</sup> Deli	AGE ery	VANTA Delive	GE TY	
				<del>-</del>	TO-Updat		7	<b>7</b> G10-Up	date		776	O-Update		7	7 a	O-Update			∇ <sub>сто</sub>	-Update			— i		_	-Update	$\nabla$
Major Contract Events				<b>V</b> c	- Ориал						V -												V GT	O-Update	GTC		

Exhibit R-4A, RDT&E Schedule Details: FY 2018 Navy			Date: May 2017
Appropriation/Budget Activity 1319 / 7	,	, ,	umber/Name) ributed Common Ground System C)

# Schedule Details

	St	art	E	nd
Events by Sub Project	Quarter	Year	Quarter	Year
Proj 2268		-		
Fielding GEOINT TPC FOS (GSS)	2	2017	4	2017
Fielding DCGS-MC (EDS, TEG-RWS, TPC FoS, VIP-MC, TMP) Windows 10 upgrade	4	2016	2	2017
DCGS-MC GEOINT ECP Release (FY 17)	1	2017	4	2017
DCGS-MC GEOINT ECP Release (FY 18)	1	2018	4	2018
DCGS-MC GEOINT JSF Testing	3	2018	2	2019