Exhibit R-2, RDT&E Budget Item Justification: PB 2015 Navy											Date: March 2014	
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 2013**	**FY 2014**	**FY 2015 Base**	**FY 2015 OCO #**	**FY 2015 Total**	**FY 2016**	**FY 2017**	**FY 2018**	**FY 2019**	**Cost To Complete**	**Total Cost**
Total Program Element	30.643	26.540	5.527	11.613	-	11.613	1.123	0.161	0.254	0.289	Continuing	Continuing
2268: *Distributed Common Ground System (DCGS-MC)*	30.643	26.540	5.527	11.613	-	11.613	1.123	0.161	0.254	0.289	Continuing	Continuing

The FY 2015 OCO Request will be submitted at a later date.

Note

Effective FY 2014 the Increment II Advanced Analytics/All Source capability was realigned to Intelligence Analysis System (PE 0206625M). Effective FY 2015 the Joint Surveillance Target Attack Radar System (JSTARS) capability (PE 0206625M) is subsumed by DCGS-MC. Topographic Production Capability (TPC) and Tactical Exploitation Group (TEG) have merged into DCGS-MC. Funding for these efforts under PE 0206625M has been realigned to DCGS-MC PE 0305208M effective FY 2011.

A. Mission Description and Budget Item Justification

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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total
Previous President's Budget	25.917	5.535	11.850	-	11.850
Current President's Budget	26.540	5.527	11.613	-	11.613
Total Adjustments	0.623	-0.008	-0.237	-	-0.237
• Congressional General Reductions	-	-0.008			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	2.801	-			
• SBIR/STTR Transfer	-	-			
• Rate/Misc Adjustments	-	-	-0.237	-	-0.237
• Congressional General Reductions Adjustments	-2.178	-	-	-	-

Exhibit R-2, RDT&E Budget Item Justification: PB 2015 Navy	Date: March 2014
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*

Change Summary Explanation

The funding decrease from FY 2013 to FY 2014 is attributed to the achievement of Milestone C in 2QFY14 and reduced Engineering and Manufacturing Development efforts for Increment 1 (Geospatial Intelligence) in FY 2014. Funding increase from FY 2014 to FY 2015 supports Virtual Imagery Processor - Marine Corps (VIP-MC) engineering and manufacturing development and research, development and testing of geospatial intelligence (GEOINT) optimization efforts, hardware refresh and antenna optimization.

Exhibit R-2A, RDT&E Project Justification: PB 2015 Navy			Date: March 2014
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
2268: *Distributed Common Ground System (DCGS-MC)*	30.643	26.540	5.527	11.613	-	11.613	1.123	0.161	0.254	0.289	Continuing	Continuing
Quantity of RDT&E Articles	0.000	-	-	-	-	-	-	-	-	-		

The FY 2015 OCO Request will be submitted at a later date.

Note

Effective FY 2014 the Increment II Advanced Analytics/All Source capability was realigned to Intelligence Analysis System (PE 0206625M). Effective FY 2015 the Joint Surveillance Target Attack Radar System (JSTARS) capability (PE 0206625M) is subsumed by DCGS-MC.

A. Mission Description and Budget Item Justification

Distributed Common Ground System-Marine Corps DCGS-MC, in compliance with the Department of Defense DCGS Family of Systems 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. The funding decrease from FY 2013 to FY 2014 is attributed to the achievement of Milestone C in 2QFY14 and reduced Engineering and Manufacturing Development efforts for Increment 1 (Geospatial Intelligence) in FY 2014. Funding increase from FY 2014 to FY 2015 supports Virtual Imagery Processor - Marine Corps (VIP-MC) engineering and manufacturing development and research, development and testing of geospatial intelligence (GEOINT) optimization efforts, hardware refresh and antenna optimization.

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2013	FY 2014	FY 2015
Title: Test and Evaluation	2.022	1.013	3.500
Articles:	-	-	-
FY 2013 Accomplishments: Continued Developmental and Operational Testing and a Technology Readiness Review in support of the Increment I DCGS-MC functionality. Conducted Developmental Testing, OUSD-I Sponsored, System Demonstration/Exercise Participation (ISR related spiral events) and Rapid Technology Insertion opportunities in support of the Increment II DCGS-MC functionality.			
FY 2014 Plans: Conduct Developmental Testing in support of DCGS-MC Increment I System Optimization efforts and Rapid Technology Insertion initiatives. Conduct Developmental Testing in association with OUSD-I C4ISR related Exercises.			
FY 2015 Plans:			

Exhibit R-2A, RDT&E Project Justification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015
Initiate Post Milestone C System Engineering Test Review (SETR) activities associated with DCGS-MC capability drops and software integration and associated test events. Simultaneously supports DCGS-MC and VIP-MC test efforts to support commonality of HW/SW baselines across legacy GEOINT systems.			
Title: Product Development	21.323	3.173	5.763
Articles:	-	-	-

FY 2013 Accomplishments:
Continued DCGS-MC Increment I system development supports the migration of legacy GEOINT systems, TEG and TPC, to a common hardware and software baseline. Continued design and planning activities for migrating Advanced Analytics/All-Source capabilities into the DCGS-MC program baseline. Funded DCGS Management Office for continued DIB upgrades and Enterprise technology migration analysis. Continued rapid technology insertion activities for cloud computing, enhancements for structured and un-structured data mining, common hardware and software migration initiatives, multi-level security cross domain solutions expansion and integration opportunities associated with follow-on versions of the DCGS Integration Backbone (DIB). Ongoing efforts to support architechture studies related to intelligence, surveillance, and reconnaissance activities and virtual rapid prototyping lab (VRPL).

FY 2014 Plans:
Continue research and development efforts for DCGS-MC Increment I Geospatial Intelligence (GEOINT) Optimization in pursuit of a Common GEOINT Hardware and Software baseline. Expand services and development associated with the Ozone Widget framework, DCGS-Enterprise StoreFront and CDL enhancements. Continue research and development efforts associated with follow-on versions of the DCGS Integration Backbone (DIB). Continue DCGS-MC Increment I Common Data Link (CDL) optimization and Human Systems Interface (HSI) analysis and refinement. Effective FY14 the Increment II Advanced Analytics/All Source capability will be realigned to Intelligence Analysis System (PE 0206625M). Continuation of efforts to support architecture studies related to intelligence, surveillance, and reconnaissance activities and virtual rapid prototyping lab (VRPL).

FY 2015 Plans:
Continue research and development efforts for DCGS-MC Increment I Geospatial Intelligence (GEOINT) Optimization in pursuit of a Common GEOINT Hardware and Software baseline. Expand services and development associated with the Ozone Widget framework, DCGS-Enterprise StoreFront and CDL enhancements. Continue research and development efforts associated with follow-on versions of the DCGS Integration Backbone (DIB). Continue DCGS-MC Increment I Common Data Link (CDL) optimization between Joint Surveillance Target Attack Radar System (JSTARS) and TWISTER. Initiate development of Virtual Imagery Processor - Marine Corps (VIP-MC) hardware baseline commonality across the Enterprise DIB Services (EDS). Initiate research of Signals Intelligence (SIGINT) capability for insertion to the EDS baseline. Begin to integrate future enhancements(capability drops) into the current DCGS-MC software baseline.

Exhibit R-2A, RDT&E Project Justification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015
Effective FY 2015, JSTARS (PE 0206625M) capability is subsumed into DCGS-MC.			
Title: Management Services - Engineering and Technical Services	0.476	0.600	0.300
Articles:	-	-	-
FY 2013 Accomplishments: Conducted system requirements analysis and review for the second increment of DCGS-MC, integrating All Source capabilities into Program Baseline. Conduct DCGS-MC System Requirements Review (SRR), System/Sub-System Specification (SSS) development and requirements derivation and traceability processes for the Increment II, All Source capability. Identify and process the required engineering changes, due to emergent requirements and security vulnerabilities to the DCGS-MC Increment I Baseline.			
FY 2014 Plans: Continue system requirements analysis and review associated with DCGS-MC Increment I GEOINT Optimization Engineering Change Proposals (ECPs), Configuration Control Boards, and agile aligned Preliminary Design Review (PDR).			
FY 2015 Plans: Continue requirements analysis that align to future enhancements (capability drops). Continue ongoing software upgrades across all fielded systems to ensure capability remains IA compliant. Major events include SVR/PRR/PCA, CDR.			
Title: Support	2.719	0.741	2.050
Articles:	-	-	-
FY 2013 Accomplishments: Conducted DCGS-MC Increment I system design and optimization efforts to support the migration of legacy GEOINT systems to a common hardware and software baseline. Implemented initial design and planning activities for migrating the Intelligence Analysis System (IAS), All-Source capabilities for Increment II into the DCGS-MC program baseline. Prepared for DCGS-MC Increment II Preliminary Design Review (PDR) and Critical Design Review (CDR). Continued to develop and evaluate RTI prototype opportunities for migration into the DCGS baseline using the DIB. Funded DCGS Management Office for continued DIB upgrades and Enterprise technology migration analysis.			
FY 2014 Plans: Effective FY 2014 the Increment II Advanced Analytics/All Source capability was realigned to Intelligence Analysis System (PE 0206625M). Conduct DCGS-MC Increment I Common Data Link (CDL) optimization and Human Systems Interface (HSI) analysis and refinement.			
FY 2015 Plans:			

Exhibit R-2A, RDT&E Project Justification: PB 2015 Navy		Date: March 2014
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 2013	FY 2014	FY 2015
Continue to develop Advanced Analytics/All Source capability and research SIGINT capability for insertion to the EDS baseline. Conduct DCGS-MC Increment I Common Data Link (CDL) optimization between JSTARS and TWISTER. Establish VIP-MC HW baseline using commonality across the EDS.			
Accomplishments/Planned Programs Subtotals	26.540	5.527	11.613

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

The Acquisition Strategy shall follow a hybrid approach, recommended by the Analysis of Alternatives (AoA), consisting of a viable mix of alternatives that allows flexibility, agility and rapid fielding of new capabilities and will be matured prior to Milestone C to reflect results of the Capability Development Document (CDD), Technology Development Strategy (TDS), and the updated Life Cycle Cost Estimate (LCCE). An evolutionary acquisition approach will be supported by Government Labs for the development of DCGS-MC to maintain maximum programmatic agility while reducing cost. Enhancements will be delivered via Capability Drops.

E. Performance Metrics

Milestone reviews.

Exhibit R-4, RDT&E Schedule Profile: PB 2015 Navy		Date: March 2014
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)*