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**Exhibit R-2, RDT&E Budget Item Justification:** PB 2012 Navy **DATE:** February 2011

<b>APPROPRIATION/BUDGET ACTIVITY</b>				<b>R-1 ITEM NOMENCLATURE</b>							
1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>				PE 0305208M: (U) <i>Distributed Common Ground/Surface Systems</i>							
<b>COST (\$ in Millions)</b>	<b>FY 2010</b>	<b>FY 2011</b>	<b>FY 2012 Base</b>	<b>FY 2012 OCO</b>	<b>FY 2012 Total</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
Total Program Element	-	8.377	23.785	-	23.785	26.847	16.489	14.420	3.780	Continuing	Continuing
2268: <i>Distributed Common Ground System (DCGS-MC)</i>	-	8.377	23.785	-	23.785	26.847	16.489	14.420	3.780	Continuing	Continuing

**Note**

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 MAGTF. The goal of DCGS-MC is to make external and internal ISR data more visible, accessible, and understandable.

<b>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2010</b>	<b>FY 2011</b>	<b>FY 2012 Base</b>	<b>FY 2012 OCO</b>	<b>FY 2012 Total</b>
Previous President's Budget	-	8.377	5.533	-	5.533
Current President's Budget	-	8.377	23.785	-	23.785
Total Adjustments	-	-	18.252	-	18.252
• Congressional General Reductions		-			
• Congressional Directed Reductions		-			
• Congressional Rescissions	-	-			
• Congressional Adds		-			
• Congressional Directed Transfers		-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Program Adjustments	-	-	18.388	-	18.388
• Rate/Misc Adjustments	-	-	-0.136	-	-0.136

**Change Summary Explanation**

Previous RDT&E funding for DCGS-MC was reported in PE's 0206625M and 0206313M.

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1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>	PE 0305208M: <i>(U)Distributed Common Ground/Surface Systems</i>

FY12 increase in RDT&E funding reflects DT analysis and Operational Test in preparation for Increment I MS C in FY13. In addition, Increment II Development efforts will commence in FY12. This program also experienced a funding increase to reflect USMC commitment to the program in preparation for a MS B Full-Funding requirement.

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**Exhibit R-2A, RDT&E Project Justification:** PB 2012 Navy **DATE:** February 2011

<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0305208M: <i>(U)Distributed Common Ground/Surface Systems</i>	<b>PROJECT</b> 2268: <i>Distributed Common Ground System (DCGS-MC)</i>
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COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
2268: <i>Distributed Common Ground System (DCGS-MC)</i>	-	8.377	23.785	-	23.785	26.847	16.489	14.420	3.780	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

**Note**

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**

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.

**B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)**

	FY 2010	FY 2011	FY 2012
<b>Title:</b> TESTING AND EVALUATION SUPPORT	-	1.082	2.120
<b>Articles:</b>		0	0
<b>FY 2011 Plans:</b> Mature the Test and Evaluation Master Plan and resource requirements in support of the Milestone B, Engineering & Manufacturing Development phase while conducting development and integration testing on the initial DCGS-MC Squadron Expeditionary Exploitation Suite capabilities			
<b>FY 2012 Plans:</b> Conduct Operational Testing and a Technology Readiness Review in support of the Increment I DCGS-MC functionality. Conduct Developmental Testing, OUSD-I Sponsored, System Demonstration/Exercise Participation (Empire Challenge) and Limited User Evaluations in support of the Increment II DCGS-MC functionality.			
<b>Title:</b> RESEARCH AND DEVELOPMENT EFFORTS FOR INTEGRATION EFFORTS	-	1.157	7.450
<b>Articles:</b>		0	0
<b>FY 2011 Plans:</b>			

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2012 Navy		<b>DATE:</b> February 2011		
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0305208M: <i>(U)Distributed Common Ground/Surface Systems</i>	<b>PROJECT</b> 2268: <i>Distributed Common Ground System (DCGS-MC)</i>		
<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>		<b>FY 2010</b>	<b>FY 2011</b>	<b>FY 2012</b>
Continue research development efforts for integrating the DCGS Intelligence Analyst Semantic WIKI, DCGS-MC Common Data Link (CDL) alternatives, and Geospatial Services concepts. <b>FY 2012 Plans:</b> Continue research development efforts for integrating Semantic WIKI enhancements, Full Motion Video, Multi-level security Cross Domain Solutions and Ground Moving Target Indicator implementation. Continue the research and development activities surrounding requirements definition associated with DCGS-MC Increment II, the Intelligence Analyst System, Rapid Technology Insertion activities associated with Semantic WIKI enhancements, Full Motion Video, Multi-level security Cross Domain Solutions and Ground Moving Target Indicator, and integration opportunities associated with follow-on versions of the DCGS Integration Backbone (DIB).				
<b>Title:</b> ENGINEERING AND TECHNICAL SERVICES  <b>FY 2011 Plans:</b> Define the detailed system design, including technical documentation to support the integration and development, as approved by the Critical Design Review. Initiate Requirements derivation and traceability processes. Conduct Program Test Readiness Review and follow-on Developmental Testing (DT).  <b>FY 2012 Plans:</b> Conduct requirements analysis and review for the second increment of capability, integrating All Source capabilities into DCGS and identifying and processing the required Engineering Changes, due to emergent requirements and security patches to the increment one system.		-	0.775 0	1.524 0
<b>Title:</b> DESIGN AND DEVELOPMENT OF HARDWARE AND ENTERPRISE SERVICES  <b>FY 2011 Plans:</b> Development of the DCGS-MC Increment 1 baseline for the replacement of TEG and TPC at the Marine Expeditionary Force (MEF) Intelligence Battalion, identify and implement Joint enterprise services, and provide the Increment 1 baseline for full rate production assessment and execution.  <b>FY 2012 Plans:</b> Implement initial design and planning for the migration of Increment II Intelligence Analysis System (IAS) All Source capabilities into the DCGS-MC program. Prepare for Increment II Systems requirements Review and Critical Design Review while evaluating		-	5.363 0	12.691 0

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2012 Navy	<b>DATE:</b> February 2011
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<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0305208M: <i>(U)Distributed Common Ground/Surface Systems</i>	<b>PROJECT</b> 2268: <i>Distributed Common Ground System (DCGS-MC)</i>
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<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>	<b>FY 2010</b>	<b>FY 2011</b>	<b>FY 2012</b>
Rapid Technology Insertion prototype opportunities for migration into the DCGS baseline, using the DCGS Integration Backbone (DIB). Fund DCGS Management Office for continued DIB upgrades and Enterprise technology migration analysis.			
<b>Accomplishments/Planned Programs Subtotals</b>	-	8.377	23.785

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

<b>Line Item</b>	<b>FY 2010</b>	<b>FY 2011</b>	<b>FY 2012 Base</b>	<b>FY 2012 OCO</b>	<b>FY 2012 Total</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
• PMC/4747: <i>DCGS-MC</i>	2.535	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.535
• PMC/4767: <i>DCGS-MC</i>	0.000	26.371	10.789	0.000	10.789	19.513	13.510	21.078	8.881	Continuing	Continuing

**D. Acquisition Strategy**

The Acquisition Strategy shall follow the Hybrid alternative, 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 the first MS B 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 solicited from industry for the development of DCGS-MC in order to maintain maximum programmatic agility while reducing cost. Capabilities will be delivered via clearly defined and militarily useful increments.

The specific content of each increment will be determined by an integrated assessment of user needs, technology readiness, risk mitigation, and affordability. Currently, two increments are envisioned with increment I focusing on Geospatial Intelligence incorporating the functions of TEG and TPC and increment II on All Source Intelligence.

**E. Performance Metrics**

Milestone reviews.

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**Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Navy** **DATE:** February 2011

<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0305208M: <i>(U)Distributed Common Ground/Surface Systems</i>	<b>PROJECT</b> 2268: <i>Distributed Common Ground System (DCGS-MC)</i>
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<b>Product Development (\$ in Millions)</b>				<b>FY 2011</b>		<b>FY 2012 Base</b>		<b>FY 2012 OCO</b>		<b>FY 2012 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Total Prior Years Cost</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
DCGS	WR	Naval Research Lab:Washington, DC	-	1.157	Nov 2010	1.057	Nov 2011	-		1.057	Continuing	Continuing	Continuing
DCGS	WR	SPAWAR:Charleston, SC	-	-		11.634	Dec 2011	-		11.634	0.000	11.634	
<b>Subtotal</b>			-	1.157		12.691		-		12.691			

<b>Support (\$ in Millions)</b>				<b>FY 2011</b>		<b>FY 2012 Base</b>		<b>FY 2012 OCO</b>		<b>FY 2012 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Total Prior Years Cost</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
DCGS	C/CPFF	NSMA:Stafford, Virginia	-	5.363	Nov 2010	7.450	Nov 2011	-		7.450	0.000	12.813	
<b>Subtotal</b>			-	5.363		7.450		-		7.450	0.000	12.813	

<b>Test and Evaluation (\$ in Millions)</b>				<b>FY 2011</b>		<b>FY 2012 Base</b>		<b>FY 2012 OCO</b>		<b>FY 2012 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Total Prior Years Cost</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
DCGS	C/CPFF	MCOTEA:QUANTICO, VA	-	1.082	Dec 2010	2.120	Dec 2011	-		2.120	0.000	3.202	
Need Item Text	C/CPFF	JITC HUACHUCA:SIERRA VISTA, AZ	-	-		0.224	Nov 2011	-		0.224	0.000	0.224	
<b>Subtotal</b>			-	1.082		2.344		-		2.344	0.000	3.426	

<b>Management Services (\$ in Millions)</b>				<b>FY 2011</b>		<b>FY 2012 Base</b>		<b>FY 2012 OCO</b>		<b>FY 2012 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Total Prior Years Cost</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
DCGS	SS/CPFF	Concurrent Technologies	-	0.500	Oct 2010	1.000	Oct 2011	-		1.000	0.000	1.500	

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**Exhibit R-4, RDT&E Schedule Profile:** PB 2012 Navy

**DATE:** February 2011

**APPROPRIATION/BUDGET ACTIVITY**

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

**R-1 ITEM NOMENCLATURE**

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

**PROJECT**

2268: *Distributed Common Ground System  
(DCGS-MC)*

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2012 Navy		<b>DATE:</b> February 2011
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0305208M: <i>(U)Distributed Common Ground/Surface Systems</i>	<b>PROJECT</b> 2268: <i>Distributed Common Ground System (DCGS-MC)</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b>Proj 2268</b>				
DCGS MILESTONE B	3	2011	3	2011
DCGS SUB-INCR 1 MILESTONE C	3	2013	3	2013
DCGS SUB-INCR 2 MILESTONE C	1	2014	1	2014
DCGSSUB-INCR 3 MILESTONE C	2	2014	2	2014
DCGS CDD	1	2010	1	2011
DCGS DT	3	2013	1	2014
DCGS TEST READINESS REVIEW	4	2013	1	2014
DCGS IOT&E	2	2014	2	2014
DCGS PROTOTYPES	3	2010	4	2012
DCGS INCR 1 LIMITED DELIVERY	2	2012	3	2013
DCGS INCR 1 FULL DELIVERY	3	2014	2	2015