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Exhibit R-2, RDT&E Budget Item Justification: PB 2014 United States Special Operations Command **DATE:** April 2013

APPROPRIATION/BUDGET ACTIVITY

0400: *Research, Development, Test & Evaluation, Defense-Wide*
BA 7: *Operational Systems Development*

R-1 ITEM NOMENCLATURE

PE 0305208BB: *Distributed Common Ground/Surface Systems*

COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013[#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
Total Program Element	12.666	1.303	7.114	5.195	-	5.195	5.286	5.340	5.449	5.564	Continuing	Continuing
S400A: <i>Distributed Common Ground/Surface Systems</i>	12.666	1.303	7.114	5.195	-	5.195	5.286	5.340	5.449	5.564	Continuing	Continuing

[#] FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

^{##} The FY 2014 OCO Request will be submitted at a later date

A. Mission Description and Budget Item Justification

This program element provides for the identification, development, and testing of the Distributed Common Ground/Surface System Special Operations Forces (DCGS-SOF). The mission tailored infrastructure interconnects the warfighter and sensor data to find and fix enemy combatants and/or terrorists. The DCGS-SOF program is a network-enabled, interoperable construct allowing continual, unimpeded sharing of intelligence data, information and services within SOF and between the Services, other national intelligence agencies, combatant commands and Multi-National partners in support of a Joint Task Force. It connects the SOF warfighter with essential intelligence information and provides situational awareness information to SOF leadership at all echelons. The primary functions of DCGS-SOF are to conduct processing, exploitation and dissemination (PED) for all SOF Intelligence Surveillance and Reconnaissance sensors, permit the collection of SOF data from collection sensors and intelligence databases, share across the DCGS Integration Backbone and provide timely, tailored, all-source, fused intelligence reporting to the SOF warfighter. This program will employ non-development commercial and government off-the-shelf hardware and software and will leverage from existing technology to the greatest degree possible.

B. Program Change Summary (\$ in Millions)

	<u>FY 2012</u>	<u>FY 2013</u>	<u>FY 2014 Base</u>	<u>FY 2014 OCO</u>	<u>FY 2014 Total</u>
Previous President's Budget	1.303	7.114	5.767	-	5.767
Current President's Budget	1.303	7.114	5.195	-	5.195
Total Adjustments	0.000	0.000	-0.572	-	-0.572
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Other adjustment.	-	-	-0.572	-	-0.572

Change Summary Explanation

Funding:

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Exhibit R-2, RDT&E Budget Item Justification: PB 2014 United States Special Operations Command		DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 0400: Research, Development, Test & Evaluation, Defense-Wide BA 7: Operational Systems Development		R-1 ITEM NOMENCLATURE PE 0305208BB: Distributed Common Ground/Surface Systems
<p>FY 2012: None.</p> <p>FY 2013: None.</p> <p>FY 2014: Decrease of \$0.572 million is due to realignment to higher Command priorities.</p> <p>Schedule: None.</p> <p>Technical: None.</p>		

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Exhibit R-2A, RDT&E Project Justification: PB 2014 United States Special Operations Command										DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 0400: Research, Development, Test & Evaluation, Defense-Wide BA 7: Operational Systems Development					R-1 ITEM NOMENCLATURE PE 0305208BB: Distributed Common Ground/Surface Systems				PROJECT S400A: Distributed Common Ground/Surface Systems			
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 [#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
S400A: Distributed Common Ground/Surface Systems	12.666	1.303	7.114	5.195	-	5.195	5.286	5.340	5.449	5.564	Continuing	Continuing
Quantity of RDT&E Articles												
# FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012												
## The FY 2014 OCO Request will be submitted at a later date												
A. Mission Description and Budget Item Justification												
This project provides for the identification, development, and testing of the Distributed Common Ground/Surface System Special Operations Forces (DCGS-SOF). The mission tailored infrastructure interconnects the warfighter and sensor data to find and fix enemy combatants and/or terrorists. The DCGS-SOF program is a network-enabled, interoperable construct allowing continual, unimpeded sharing of intelligence data, information and services within SOF and between the Services, other national intelligence agencies, combatant commands and Multi-National partners in support of a Joint Task Force. It connects the SOF warfighter with essential intelligence information and provides situational awareness information to SOF leadership at all echelons. The primary functions of DCGS-SOF are to conduct processing, exploitation and dissemination (PED) for all SOF Intelligence Surveillance and Reconnaissance (ISR) sensors, permit the collection of SOF data from collection sensors and intelligence databases, share across the DCGS Integration Backbone and provide timely, tailored, all-source, fused intelligence reporting to the SOF warfighter. This program will employ non-development commercial and government off-the-shelf hardware and software and will leverage from existing technology to the greatest degree possible.												
B. Accomplishments/Planned Programs (\$ in Millions)										FY 2012	FY 2013	FY 2014
Title: DCGS										1.303	7.114	5.195
FY 2012 Accomplishments: Achieved Milestone C for DCGS Enterprise capability. Integrated emerging technologies and capabilities from DCGS family of systems partners and SOF C4 Partners into the DCGS-SOF baseline, commenced test and evaluation of these technologies into this baseline, conducted DCGS-SOF limited objective events and participated in OUSD(I)'s Enterprise Challenge demonstrations.												
FY 2013 Plans: Continue to integrate emerging technologies and capabilities for all source information fusion and initial integration of technology to enable disconnected operations into the DCGS-SOF baseline, commence test and evaluation of these technologies into this baseline, and conduct DCGS-SOF limited objective events and Enterprise Resolve demonstrations.												
FY 2014 Plans:												

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Exhibit R-2A, RDT&E Project Justification: PB 2014 United States Special Operations Command										DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>				R-1 ITEM NOMENCLATURE PE 0305208BB: <i>Distributed Common Ground/Surface Systems</i>				PROJECT S400A: <i>Distributed Common Ground/Surface Systems</i>				
B. Accomplishments/Planned Programs (\$ in Millions)										FY 2012	FY 2013	FY 2014
Continue to integrate emerging technologies and capabilities for all source information fusion and initial integration of technology to enable disconnected operations into the DCGS-SOF baseline, commence test and evaluation of these technologies into this baseline, and conduct DCGS-SOF limited objective events and Enterprise Challenge/Resolve demonstrations.												
Accomplishments/Planned Programs Subtotals										1.303	7.114	5.195
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost	
• PROC1: <i>DISTRIBUTED COMMON GROUND/SURFACE SYSTEM</i>	18.418	12.767	14.906		14.906	11.317	9.712	9.941	10.148	Continuing	Continuing	
Remarks												
D. Acquisition Strategy												
• DCGS-SOF will partner within DoD and with other government agencies to integrate mature technologies into the SOF information enterprise and enable more agile access to and sharing of data and services to meet SOF-peculiar documented requirements. The technology will allow for seamless integration with DoD, interagency, and coalition ISR tactical PED systems.												
E. Performance Metrics												
N/A												

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 United States Special Operations Command												DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 0400: Research, Development, Test & Evaluation, Defense-Wide BA 7: Operational Systems Development						R-1 ITEM NOMENCLATURE PE 0305208BB: Distributed Common Ground/Surface Systems				PROJECT S400A: Distributed Common Ground/ Surface Systems					
Product Development (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All 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 Capabilities Modernization	Various	Various:Various	8.112	0.381	Jan 2012	2.940	Jan 2013	2.050	Jan 2014	-		2.050	Continuing	Continuing	
Development and Integration	C/FFP	SITEC:Various	0.000	-		0.685	Jan 2013	1.085	Dec 2013	-		1.085	Continuing	Continuing	
Independent Verification and Validation	MIPR	MITRE:Bedford, MA	-	0.274	Oct 2011	0.286	Oct 2012	0.280	Oct 2013	-		0.280	Continuing	Continuing	
Prior Year Funding - Completed Efforts	Various	Various:Various	1.788	-		-		-		-		-	0.000	1.788	
Subtotal			9.900	0.655		3.911		3.415		0.000		3.415			
Support (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All 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 Support	C/FFP	SITEC:Various	0.000	-		0.914	Jan 2013	0.350	Dec 2013	-		0.350	Continuing	Continuing	
Prior Year Funding - Completed Efforts	Various	Various:Various	0.576	-		-		-		-		-	0.000	0.576	
Subtotal			0.576	0.000		0.914		0.350		0.000		0.350			
Test and Evaluation (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All 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 Test and Evaluation	MIPR	SPAWAR:Charleston, SC	0.853	0.145	Oct 2011	0.235	Oct 2012	0.230	Oct 2013	-		0.230	Continuing	Continuing	
DCGS Independent Verification and Validation	MIPR	MITRE:Bedford, MA.	1.141	0.273	Oct 2011	0.288	Oct 2012	0.280	Oct 2013	-		0.280	Continuing	Continuing	
Interoperability Support	MIPR	JITC:Ft Huachuca, AZ	0.196	0.230	Jun 2012	0.286	Jan 2013	0.320	Jan 2014	-		0.320	Continuing	Continuing	
Interoperability Testing	C/FFP	SITEC :Various	-	-		1.480	Apr 2013	0.600	Dec 2013	-		0.600	Continuing	Continuing	
Subtotal			2.190	0.648		2.289		1.430		0.000		1.430			

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 United States Special Operations Command											DATE: April 2013			
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		All Prior Years	FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals		12.666	1.303		7.114		5.195		0.000		5.195			

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2014 United States Special Operations Command			DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 0400: Research, Development, Test & Evaluation, Defense-Wide BA 7: Operational Systems Development	R-1 ITEM NOMENCLATURE PE 0305208BB: Distributed Common Ground/Surface Systems	PROJECT S400A: Distributed Common Ground/Surface Systems	

	FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Distributed Common Ground/Surface Systems (DGCS) Integration and ETIs																												
Milestone C Acquisition Decision																												
DCGS-SOF Developmental Testing																												
SOF PED Enterprise Enhancements																												
DCGS v1.0 Operational Testing (SOF Data Layer Enterprise Portal)																												
DCGS v2.0 Operational Testing (SOF Data Layer, Data Engine, GEOINT, Fusion)																												
DCGS v3.0 Operational Testing (SIGINT FOC, All Source Intelligence Fusion Inc 1)																												
DCGS v4.0 Operational Testing (Enhanced Full Motion Video Arch, ASIF Inc 2)																												
DCGS Limited Objective Event & Enterprise Challenge - FY 2012 (Sensor Web and Trident Warrior)																												
DCGS Limited Objective Event & Enterprise Challenge - FY 2013																												
DCGS Limited Objective Event & Enterprise Challenge - FY 2014																												
DCGS Limited Objective Event & Enterprise Challenge - FY 2015																												
DCGS Limited Objective Event & Enterprise Challenge - FY 2016																												
DCGS Limited Objective Events& Enterprise Challenge - FY 2017																												

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Exhibit R-4, RDT&E Schedule Profile: PB 2014 United States Special Operations Command																								DATE: April 2013													
APPROPRIATION/BUDGET ACTIVITY 0400: Research, Development, Test & Evaluation, Defense-Wide BA 7: Operational Systems Development										R-1 ITEM NOMENCLATURE PE 0305208BB: Distributed Common Ground/Surface Systems										PROJECT S400A: Distributed Common Ground/Surface Systems																	
										FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018			
										1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
DCGS Limited Objective Events & Enterprise Challenge - FY 2018																																					

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Exhibit R-4A, RDT&E Schedule Details: PB 2014 United States Special Operations Command			DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0305208BB: <i>Distributed Common Ground/Surface Systems</i>	PROJECT S400A: <i>Distributed Common Ground/Surface Systems</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Distributed Common Ground/Surface Systems (DCGS) Integration and ETIs	1	2012	4	2018
Milestone C Acquisition Decision	1	2012	1	2012
DCGS-SOF Developmental Testing	1	2012	4	2018
SOF PED Enterprise Enhancements	1	2012	4	2018
DCGS v1.0 Operational Testing (SOF Data Layer Enterprise Portal)	2	2012	3	2012
DCGS v2.0 Operational Testing (SOF Data Layer, Data Engine, GEOINT, Fusion)	3	2012	4	2012
DCGS v3.0 Operational Testing (SIGINT FOC, All Source Intelligence Fusion Inc 1)	2	2013	3	2014
DCGS v4.0 Operational Testing (Enhanced Full Motion Video Arch, ASIF Inc 2)	1	2015	4	2015
DCGS Limited Objective Event & Enterprise Challenge - FY 2012 (Sensor Web and Trident Warrior)	1	2012	4	2012
DCGS Limited Objective Event & Enterprise Challenge - FY 2013	1	2013	4	2013
DCGS Limited Objective Event & Enterprise Challenge - FY 2014	1	2014	4	2014
DCGS Limited Objective Event & Enterprise Challenge - FY 2015	1	2015	4	2015
DCGS Limited Objective Event & Enterprise Challenge - FY 2016	1	2016	4	2016
DCGS Limited Objective Events& Enterprise Challenge - FY 2017	1	2017	4	2017
DCGS Limited Objective Events & Enterprise Challenge - FY 2018	1	2018	4	2018