CLASSIFICATION:

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EXHIBIT R-2, RDT&E Budget Item Justification						DATE:	
-						Februai	ry 2004
APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMEN	CLATURE		
RESEARCH DEVELOPMENT TEST & EVALUATION, N.	AVY / BA-7			0305208N Distribu	ted Common Grou	nd Systems (DCGS)
COST (\$ in Millions)	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
Total PE Cost	8.518	8.818	3.635	3.694	3.762	3.848	3.925
A2174 CIGSS (JSIPS-N)	4.322	4.319	3.635	3.694	3.762	3.848	3.925
A9118 Prec Targeting Sys Modernization							
A9157 Cross Program DCGS-N Integration	2.927						
A9158 Converged Architecture for NFN	1.269						
9440 Enterprise Targeting and Strike System		4.499					

(U) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

Includes Congressional adds: \$2.8 million in FY 2002 for Precision Targeting System Modernization, less Congressional undistributed reductions; \$1.3 million in FY 2003 for Converged Architecture for Naval Fires Network, less Congressional undistributed reductions; and \$4.5 million in FY 2004 for Enterprise Targeting and Strike System, less Congressional undistributed reductions.

The Joint Service Imagery Processing System-Navy (JSIPS-N) is the Navy's portion of the Distributed Common Ground System (DCGS) which is a cooperative effort between the services, agencies, and DoD to provide systems capable of receiving, processing, exploiting, and disseminating data from airborne and national reconnaissance platforms. DCGS is further subdivided into systems which process, exploit, and disseminate Measurements Analysis and Signatures Intelligence (MASINT) data, Signals Intelligence (SIGINT) data, Multi-intelligence Reconnaissance data, and imagery data. Cooperative imagery processing systems are collectively identified under the general heading of Common Imagery Ground/Surface Systems (CIGSS). JSIPS-N is the Navy CIGSS component. JSIPS-N has the capability to receive, process, exploit, store and disseminate imagery, imagery-derived products and imagery intelligence (IMINT) reports based on multiple inputs from multiple sources.

The primary mission of JSIPS-N is to assist strike planners, tactical aviators, and Marine Corps amphibious planners in the delivery of precision ordnance (including Tomahawk Cruise Missiles) on target. JSIPS-N includes three major components, the Softcopy Exploitation Segment (SES) consisting of the Digital Imagery Workstation Suite Afloat (DIWSA) and the Precision Targeting Workstation (PTW), the National Input Segment (NIS), and the Tactical Input Segment (TIS). JSIPS-N is being installed onboard aircraft carriers (CV/CVN), amphibious assault ships (LHA/LHD), select fleet flagships (AGF/LCC) and shore sites.

Secondary missions of the systems are to provide near-real-time imagery and support to fleet intelligence assets, Special Operations Forces, and to support primary exploitation and dissemination of tactical organic and theater IMINT products.

Cross-system DCGS-N integration in support of Time-Sensitive Targeting has been incorporated into exisiting group modification (GRP MOD) actions comprising the JSIPS-N life cycle modernization plan.

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Exhibit R-2, RDTEN Budget Item Justification (Exhibit R-2, page 1 of 15)

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification							DATE:	
							Februa	ry 2004
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEM	ENT NUMBER AND	NAME		PROJECT NUMBE	R AND NAME		
RDT&E, N / BA-7	0305208N Distribu	ted Common Grour	nd Systems (DCGS)	A2174 CIGSS (JSI	PS-N)		
COST (\$ in Millions)		FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
Project Cost		4.322	4.319	3.635	3.694	3.762	3.848	3.92
RDT&E Articles Qty								

(U) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: The Joint Service Imagery Processing System - Navy (JSIPS-N) is the Navy's portion of the Distributed Common Ground

System (DCGS) which is a cooperative effort between the services, agencies, and DoD to provide systems capable of receiving, processing, exploiting, and disseminating data from airborne and national reconnaissance platforms. DCGS is further subdivided into systems which process, exploit, and disseminate Measurements Analysis and Signatures Intelligence (MASINT) data, Signals Intelligence (SIGINT) data, Multi-Intelligence Reconnaissance data, and Imagery data. Cooperative imagery processing systems are collectively identified under the general heading of Common Imagery Ground/Surface Systems (CIGSS). JSIPS-N is the Navy CIGSS component.

JSIPS-N has the capability to receive, process, exploit, store and disseminate imagery, imagery-derived products and imagery intelligence (IMINT) reports based on multiple inputs from multiple sources. The primary mission of JSIPS-N is to assist strike planners, tactical aviators, and Marine Corps amphibious planners in the delivery of precision ordnance (including Tomahawk Cruise Missiles) on target.

JSIPS-N includes three major components, the Softcopy Exploitation Segment (SES) consisting of the Digital Imagery Workstation Suite Afloat (DIWSA) and the Precision Targeting Workstation (PTW), the National Input Segment (NIS), and the Tactical Input Segment (TIS). JSIPS-N is being installed onboard aircraft carriers (CV/CVN), amphibious assault ships (LHA/LHD), select fleet flagships (AGF/LCC) and shore sites.

Secondary missions of the systems are to provide near-real-time imagery and support to fleet intelligence assets, Special Operations Forces, and to support primary exploitation and dissemination of tactical organic and theater IMINT products.

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EXHIBIT R-2a, RDT&E Project Justificat	ion			DATE:	
PPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUM	BER AND NAME	PROJECT NUMBER AND N		ruary 2004
RDT&E, N / BA-7	0305208N Distributed Comm			, uvic	
DIGE, N / BA-1	0303208N Distributed Commi	on Ground Systems (DCGS	A2174 CIGGS (JSIFG-N)		
B. Accomplishments/Planned Program					
					_
		FY 03	FY 04	FY 05	
Accomplishments/Effort/Subtotal Cost		4.322	4.319	3.635	
RDT&E Articles Quantity					
		FY 03	FY 04	FY 05	7
Accomplishments/Effort/Subtotal Cost					
RDT&E Articles Quantity					

Exhibit R-2a, RDTEN Project Justification (Exhibit R-2a, page 3 of 15)

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification				DATE:	
					February 2004
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME		PROJECT NUMBER AND	NAME	
RDT&E, N / BA-7	0305208N Distributed Common Ground Systems	(DCGS)	A2174 CIGSS (JSIPS-N)		
C. PROGRAM CHANGE SUMMARY:					
Funding:	FY 2003	FY 2004	FY 2005		
Previous President's Budget:	4.322	4.421			
Current BES/President's Budget	4.322	4.319			
Total Adjustments	0.000	-0.102	-0.012		
Summary of Adjustments Congressional program reductions Congressional undistributed reductions Congressional rescissions SBIR/STTR Transfer Economic Assumptions		-0.102	-0.012		
Reprioritization Other Navy/OSD Adjustments Congressional increases Subtotal		-0.102			
Schedule:					
Not Applicable.					
Technical:					
Not Applicable.	D.4. CHODDING LIGT.		204		

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EXHIBIT R-2a, RDT&E	Project Justification							DATE:	Februs	ary 2004	
APPROPRIATION/BUDGET	ACTIVITY	PROGRAM EL	EMENT NUM	BER AND NAM	1E	PROJECT NU	MBER AND N	L AME	1 051 0	ui y 2004	
RDT&E, N /	BA-7	0305208N Dist	_								
RDTQL, IV	DA I	03032001 1 Disti	induced Collin	ion Ground by	sterris (DOGO)	A2174 01000	(5511 5-14)				
D. OTHER PROGRA	M FUNDING SUMMARY:								То	Total	
Line Item No. & Nar OPN, BLI 291400 Co Support/Systems (CIO	mmon Imagery Ground	<u>FY 2003</u> 51.157	<u>FY 2004</u> 40.288	FY 2005 53.173	<u>FY 2006</u> 16.095	<u>FY 2007</u> 74.254	<u>FY 2008</u> 117.274	<u>FY 2009</u> 61.782	Complete Continuing	Cost Continuing	
E. ACQUISITION STRA	TEGY: *										
Workstation (PTV planning systems acquired from the	vstem consists of three elements, the V), the National Input Segment (NIS). The NIS is also in full rate product Air Force Electronic Systems Center for the Navy system is the Space a	and Tactical Input Section and supplied as Go er (ESC) at Hanscom A	gment (TIS). overnment Fur IFB. The TIS	The DIWSA is a rnished Equipm includes a Con	already in full lent (GFE) by	rate co-producti the National Ima	on with other pagery and Map	orograms, mos oping Agency (st notably Tomah NIMA SDD). Th	awk's mission e TIS is	
F. MAJOR PERFORME	RS: **										

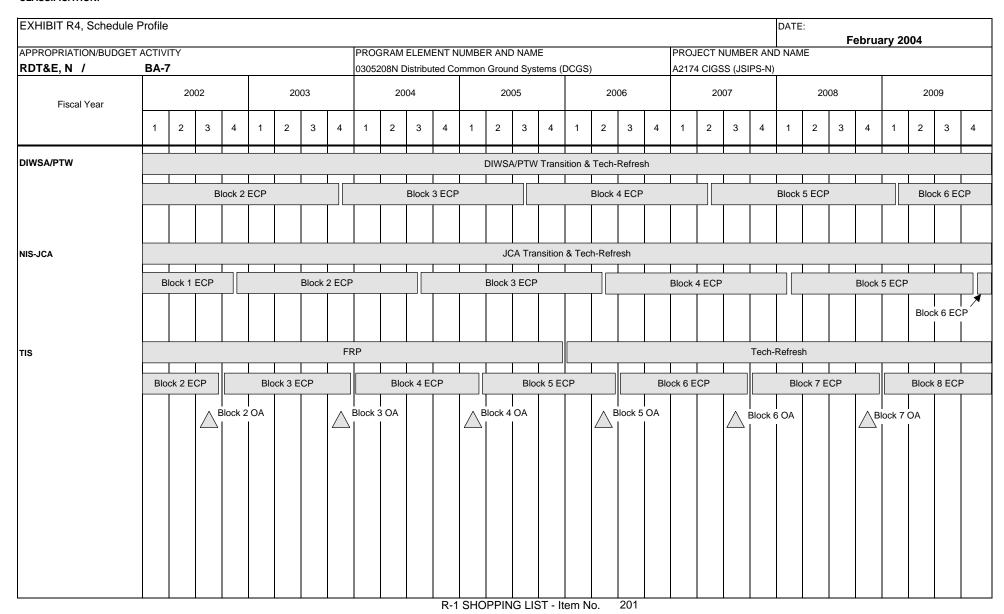
CLASSIFICATION:

									DATE:				
Exhibit R-3 Cost Analysis (pa	ge 1)										February 200	04	
APPROPRIATION/BUDGET ACTIV	/ITY		PROGRAM E	LEMENT			PROJECT N	JMBER AND	NAME				
RDT&E, N / BA-7			0305208N Dis	stributed Comm	on Ground Sys		A2174 CIGSS						
Cost Categories	Contract	Performing		Total		FY 03		FY 04		FY 05			_
	Method & Type	Activity & Location		PY s Cost	FY 03 Cost	Award Date	FY 04 Cost	Award Date	FY 05 Cost	Award Date	Cost to Complete	Total Cost	Target Value of Contract
Primary Hardware Development	& Type	Location		Cost	Cost	Date	Cost	Date	Cost	Date	Complete	Cost	or Contract
Ancillary Hardware Development													
Aircraft Integration													
Ship Integration													
Ship Suitability													
Systems Engineering													
Training Development													
Licenses													
Tooling													
GFE													
Award Fees													
Subtotal Product Development				0.000	0.000		0.000	D	0.000)	0.000	0.000	
Development Support													
Software Development	MIPR	Various		18.514	4.322	11/02	4.319	11/03	3.635	11/04	Continuing	Continuing	
Integrated Logistics Support													
Configuration Management													
Technical Data													
Studies & Analyses													
GFE													
Award Fees													
Subtotal Support				18.514	4.322		4.319	9	3.635	5	Continuing	Continuing	
Remarks:													
				R-1 SHOP	PING LIST :	- Item No	201						

CLASSIFICATION:

								DATE:				
Exhibit R-3 Cost Analysis (page 1)		1				T				February 20	04	
APPROPRIATION/BUDGET ACTIV	/ITY		I ELEMENT			PROJECT N						
RDT&E, N / BA-7	lo , ,		Distributed Comn	non Ground Sy		A2174 CIGSS			IEV 05	1	1	т
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 03 Cost	FY 03 Award Date	FY 04 Cost	FY 04 Award Date	FY 05 Cost	FY 05 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation	WX	COMOPTEVFOR, VA	0.375							•	0.375	
Operational Test & Evaluation												
Live Fire Test & Evaluation												
Test Assets												
Tooling												
GFE												
Award Fees												
Subtotal T&E			0.375	0.000)	0.000)	0.00	0		0.375	5
	_					_						
Contractor Engineering Support												
Government Engineering Support												
Program Management Support												
Travel												
Transportation												
SBIR Assessment												_
Subtotal Management			0.000	0.000)	0.000)	0.00	0	0.000	0.000)
Remarks:												
Total Cost			18.889	9 4.322	2	4.319	9	3.63	5	Continuing	Continuing	<u></u>
Remarks:												

CLASSIFICATION:



^{*} Not required for Budget Activities 1, 2, 3, and 6

CLASSIFICATION:

Exhibit R-4a, Schedule Detail						DATE:	ebruary 20	04
APPROPRIATION/BUDGET ACTIVITY	PROGRAM E	LEMENT			PROJECT NU	MBER AND NA	AME	
RDT&E, N / BA-7	0305208N Dis	tributed Comm	on Ground Sys	stems (DCGS)	A2174 CIGSS	(JSIPS-N)		
Schedule Profile	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
DIWSA/PTW Transition & Tech-Refresh	1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q
Block 2 (V4.1) ECP	1Q-4Q	1Q-4Q						
Block 3 (V4.2) ECP		4Q	1Q-4Q	1Q-3Q				
Block 4 (V4.X) ECP				3Q-4Q	1Q-4Q	1Q-2Q		
Block 5 (V4.X) ECP						2Q-4Q	1Q-4Q	1Q
Block 6 (V4.X) ECP								1Q-4Q
NIS-JCA Transition & Tech-Refresh	1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q
Block 1 ECP	1Q-4Q							
Block 2 ECP	4Q	1Q-4Q	1Q-3Q					
Block 3 ECP			3Q-4Q	1Q-4Q	1Q-2Q			
Block 4 ECP					2Q-4Q	1Q-4Q	1Q	
Block 5 ECP							1Q-4Q	1Q-4Q
Block 6 ECP								4Q
TIS Baseline Full Rate Production	1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q				
Tech Refresh					1Q-4Q	1Q-4Q	1Q-4Q	1Q-4Q
Block 2 ECP	1Q-3Q							
Block 2 OA	3Q							
Block 3 ECP	4Q	1Q-4Q						
Block 3 OA		4Q						
Block 4 ECP			1Q-4Q	1Q				
Block 4 OA				1Q				
Block 5 ECP				1Q-4Q	1Q-2Q			
Block 5 OA					2Q			
Block 6 ECP					3Q-4Q	1Q-3Q		
Block 6 OA						3Q		
Block 7 ECP						4Q	1Q-4Q	
Block 7 OA							4Q	
Block 8 ECP								1Q-4Q
					1			

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EXHIBIT R-2a, RDT&E Project Justification							DATE:	
							Februa	ry 2004
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEM	ENT NUMBER AN	D NAME		PROJECT NUMBE	ER AND NAME		
RDT&E, N / BA-7	0305208N Distribu	ted Common Grou	nd Systems (DCGS	S)	9440 Enterprise	Targeting and Str	ike System	
COST (\$ in Millions)	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY
Project Cost		4.499						
RDT&E Articles Qty								

A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

(U) Development of JSIPS-N open/converged architecture for Naval Fires Network (I	NFN) to allow for multiple service participation.	The Congressional plus up of \$1.269M in	FY03 has been provided for
development of an open/converged architecture, modernization and enhancement of p	precision strike capabilities for NFN.		

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EXHIBIT R-2a, RDT&E Project Justifica	tion		DATE: February 20	04
PPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME	PROJECT NUMBER AND I		
RDT&E, N / BA-7	0305208N Distributed Common Ground Syster	ns (DCGS 9440 Enterprise Targeting	g and Strike System	
3. Accomplishments/Planned Program			-	
s. Accomplishments/Flatmed Frogram				
	FY 03	FY 04	FY 05	
Accomplishments/Effort/Subtotal Cost		4.499		
RDT&E Articles Quantity				
Davidanment of an anan architecture, modern	ization and enhancement of precision strike capabilities	o for NEN		
Development of an open architecture, modern	zation and enhancement of precision strike capabilities	S TOT INFIN.		
	FY 03	FY 04	FY 05	
Accomplishments/Effort/Subtotal Cost				
RDT&E Articles Quantity				
	FY 03	FY 04	FY 05	
Accomplishments/Effort/Subtotal Cost				
RDT&E Articles Quantity				

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HIBIT R-2a, RDT&E Project Justification				DATE:	
			T		February 2004
PROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME		PROJECT NUMBER AND		
DT&E, N / BA-7	0305208N Distributed Common Ground Systems	(DCGS)	9440 Enterprise Target	ing and Strike System	
C. PROGRAM CHANGE SUMMARY:					
Funding:	FY 2003	FY 2004	FY 2005		
Previous President's Budget:		0.000			
Current BES/President's Budget		4.499)		
Total Adjustments	0.000	4.499	0.000		
Summary of Adjustments					
Congressional undistributed reductions		-0.051			
Congressional increases					
SBIR/STTR Transfer					
Economic Assumtions					
Reprioitization		4.550)		
Reprogrammings					
Subtotal					
	0.000	4.499	0.000		
Schedule:					
Not Applicable.					
Technical:					
Not Applicable.					
ног Аррисавіе.					

CLASSIFICATION:

EXHIBIT R-2a, RDT&E	Project Justification		DATE: February 2004							
APPROPRIATION/BUDGET	ACTIVITY	PROGRAM E	PROGRAM ELEMENT NUMBER AND NAME PROJECT NUMBER AND							ai y 2004
RDT&E, N /	BA-7	0305208N Distributed Common Ground Systems (DCGS) 9440 Enterprise Targeting and Strike System								
	M FUNDING SUMMARY:	10000								
Line Item No. & Na	ma	EV 2002	EV 2004	EV 2005	EV 2006	EV 2007	EV 2000	EV 2000	To	Total
OPN, BLI 291400 Co Support/Systems (Cl	mmon Imagery Ground	<u>FY 2003</u> 51.157	FY 2004 40.288	<u>FY 2005</u> 53.173	<u>FY 2006</u> 16.095	<u>FY 2007</u> 74.254	<u>FY 2008</u> 117.274	<u>FY 2009</u> 61.782	<u>Complete</u> Continuing	<u>Cost</u> Continuing
E. ACQUISITION STRA	ATEGY: *									
F. MAJOR PERFORME	ERS: **									

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Exhibit R-3 Cost Analysis (page 1)							February 2004						
APPROPRIATION/BUDGET ACTIV	PROGRAM E	LEMENT			PROJECT NUMBER AND NAME								
RDT&E, N / BA-7						9440 Enterpri		and Strike Syste					
Cost Categories	Contract	Performing		Total		FY 03		FY 04		FY 05			_
	Method & Type	Activity & Location		PY s Cost	FY 03 Cost	Award Date	FY 04 Cost	Award Date	FY 05 Cost	Award Date	Cost to Complete	Total Cost	Target Value of Contract
Primary Hardware Development	ос туре	LUCATION		COSI	COSI	Date	COSI	Date	Cost	Date	Complete	Cost	or Contract
Ancillary Hardware Development									+				
Aircraft Integration													
Ship Integration													
Ship Suitability													
Systems Engineering													
Training Development													
Licenses													
Tooling													
GFE													
Award Fees													
Subtotal Product Development				0.000	0.000		0.000)	0.000		0.000	0.000	
Development Support													
Software Development	MIPR	Various					4.499	11/04					
Integrated Logistics Support													
Configuration Management													
Technical Data													
Studies & Analyses													
GFE													
Award Fees													
Subtotal Support				0.000	0.000		4.499	9	0.000				
Remarks:													
				R-1 SHOE	PPING LIST :	. Itam No	201						

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										DATE:						
Exhibit R-3 Cost Analysis (page 2)								February 2004								
APPROPRIATION/BUDGET ACTIV		PROGRAM EI			PROJECT NUMBER AND NAME											
RDT&E, N / BA-7	1.			non Ground Sy	A9158 CIGSS			T	1		-					
Cost Categories	Contract Method & Type	Performing Activity & Location		Total PY s Cost	FY 03 Cost	FY 03 Award Date	FY 04 Cost	FY 04 Award Date	FY 05 Cost	FY 05 Award Date	Cost to Complete	Total Cost	Target Value of Contract			
Developmental Test & Evaluation											·	0.000				
Operational Test & Evaluation																
Live Fire Test & Evaluation													1			
Test Assets																
Tooling																
GFE																
Award Fees																
Subtotal T&E				0.000	0.000		0.000)	0.00)		0.000	5			
						1		T								
Contractor Engineering Support																
Government Engineering Support																
Program Management Support																
Travel																
Transportation																
SBIR Assessment																
Subtotal Management				0.000	0.000)	0.000)	0.00	ס	0.000	0.000)			
Remarks:																
Total Cost				0.000	0.000)	4.499	9				4.499	9			
Remarks:																