CLASSIFICATION:

UNCLASSIFIED

						DATE:	
						Februar	y 2003
				R-1 ITEM NOMEN	CLATURE		
TION, NAVY / I	BA-7			0305208N Distribut	ted Common Grou	nd Systems (DCGS)
FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
7.093	8.518	4.421	3.647	3.704	3.770	3.851	3.922
4.326	4.322	4.421	3.647	3.704	3.770	3.851	3.922
2.767							
	2.927						
	1.269						
	FY 2002 7.093 4.326	FY 2002 FY 2003 7.093 8.518 4.326 4.322 2.767 2.927	FY 2002 FY 2003 FY 2004 7.093 8.518 4.421 4.326 4.322 4.421 2.767 2.927	TION, NAVY / BA-7 FY 2002 FY 2003 FY 2004 FY 2005 7.093 8.518 4.421 3.647 4.326 4.322 4.421 3.647 2.767 2.927	TION, NAVY / BA-7 0305208N Distribut FY 2002 FY 2003 FY 2004 FY 2005 FY 2006 7.093 8.518 4.421 3.647 3.704 4.326 4.322 4.421 3.647 3.704 2.767 2.927	R-1 ITEM NOMENCLATURE 0305208N Distributed Common Grou FY 2002 FY 2003 FY 2004 FY 2005 FY 2006 FY 2007 7.093 8.518 4.421 3.647 3.704 3.770 4.326 4.322 4.421 3.647 3.704 3.770 2.767	TION, NAVY / BA-7 FY 2002 FY 2003 FY 2004 FY 2005 FY 2006 FY 2007 FY 2008 7.093 8.518 4.421 3.647 3.704 3.700 3.851 4.326 4.322 4.421 3.647 3.704 3.700 3.851 2.767

(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; and \$1.3 million in FY 2003 for Converged Architecture for Naval Fires Network, 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.

R-1 SHOPPING LIST - Item No.

208

UNCLASSIFIED

Exhibit R-2, RDTEN Budget Item Justification (Exhibit R-2, page 1 of 22)

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification							DATE:	
							Februa	ry 2003
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMI	ENT NUMBER AND	NAME		PROJECT NUMBE	ER AND NAME		
RDT&E, N / BA-7	0305208N Distribu	ted Common Grour	nd Systems (DCGS)	A2174 CIGSS (JS	IPS-N)		
COST (\$ in Millions)	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
Project Cost	4.326	4.322	4.421	3.647	3.704	3.770	3.851	3.922
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.

R-1 SHOPPING LIST - Item No.

CLASSIFICATION:

PROGRAM ELEMENT NUMBER AND NAME DT&E, N / BA-7 O305208N Distributed Common Ground Systems (DCGS A2174 CIGSS (JSIPS-N) Accomplishments/Planned Program FY 02 FY 03 FY 04 FY 05 Architecture (JCA), and Imagery Exploitation Software Segment (IESS) and accelerate the development of JSIPS-N components of Navy C4I dissemination architectures. FY 02 FY 03 FY 04 FY 05 Accomplishments/Effort/Subtotal Cost 3.726 Architecture (JCA), and Imagery Exploitation Software Segment (IESS) and accelerate the development of JSIPS-N components of Navy C4I dissemination architectures. FY 02 FY 03 FY 04 FY 05 Accomplishments/Effort/Subtotal Cost 0.500 0.214 0.215 0.176 Continued Shared Reconnaissance Pod (SHARP)-tactical Input Segment (TIS) systems engineering and integration including the incorporation of appropriate Navy Input Segment (NAVIS) functions.	EXHIBIT R-2a, RDT&E Project Justificati	on		DATE:	
Accomplishments/Planned Program FY 02	•			Febru	ary 2003
Accomplishments/Planned Program FY 02 FY 03 FY 04 FY 05 Accomplishments/Effort/Subtotal Cost 3.726 4.008 4.106 3.371 Continue JSIPS-N systems engineering including Precision Targeting Workstation (PTW), Precision Guided Munitions (PGM), 'classified' communications, JSIPS-N concentrator Architecture (JCA), and Imagery Exploitation Software Segment (IESS) and accelerate the development of JSIPS-N components of Navy C4I dissemination architectures. FY 02 FY 03 FY 04 FY 05 Accomplishments/Effort/Subtotal Cost 0.500 0.214 0.215 0.176 RDT&E Articles Quantity 0.215 0.176 Continued Shared Reconnaissance Pod (SHARP)-tactical Input Segment (TIS) systems engineering and integration including the incorporation of appropriate Navy Input Segment (NAVIS)	PROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME	PROJECT NUMBER AND	I .	
Accomplishments/Planned Program FY 02 FY 03 FY 04 FY 05 Accomplishments/Effort/Subtotal Cost 3.726 4.008 4.106 3.371 RDT&E Articles Quantity Continue JSIPS-N systems engineering including Precision Targeting Workstation (PTW), Precision Guided Munitions (PGM), 'classified' communications, JSIPS-N concentrator Architecture (JCA), and Imagery Exploitation Software Segment (IESS) and accelerate the development of JSIPS-N components of Navy C4I dissemination architectures. FY 02 FY 03 FY 04 FY 05 Accomplishments/Effort/Subtotal Cost 0.500 0.214 0.215 0.176 RDT&E Articles Quantity Continued Shared Reconnaissance Pod (SHARP)-tactical Input Segment (TIS) systems engineering and integration including the incorporation of appropriate Navy Input Segment (NAVIS)	T&E, N / BA-7	0305208N Distributed Common Ground System	ns (DCGS A2174 CIGSS (JSIPS-N)		
Accomplishments/Effort/Subtotal Cost 3.726 4.008 4.106 3.371 RDT&E Articles Quantity Support	,				
Accomplishments/Effort/Subtotal Cost 3.726 4.008 4.106 3.371 RDT&E Articles Quantity Continue JSIPS-N systems engineering including Precision Targeting Workstation (PTW), Precision Guided Munitions (PGM), 'classified' communications, JSIPS-N concentrator Architecture (JCA), and Imagery Exploitation Software Segment (IESS) and accelerate the development of JSIPS-N components of Navy C4I dissemination architectures. FY 02 FY 03 FY 04 FY 05 Accomplishments/Effort/Subtotal Cost 0.500 0.214 0.215 0.176 RDT&E Articles Quantity Continued Shared Reconnaissance Pod (SHARP)-tactical Input Segment (TIS) systems engineering and integration including the incorporation of appropriate Navy Input Segment (NAVIS)	Accomplishments/Planned Program				
Accomplishments/Effort/Subtotal Cost 3.726 4.008 4.106 3.371 RDT&E Articles Quantity Continue JSIPS-N systems engineering including Precision Targeting Workstation (PTW), Precision Guided Munitions (PGM), 'classified' communications, JSIPS-N concentrator Architecture (JCA), and Imagery Exploitation Software Segment (IESS) and accelerate the development of JSIPS-N components of Navy C4I dissemination architectures. FY 02					
RDT&E Articles Quantity Continue JSIPS-N systems engineering including Precision Targeting Workstation (PTW), Precision Guided Munitions (PGM), 'classified' communications, JSIPS-N concentrator Architecture (JCA), and Imagery Exploitation Software Segment (IESS) and accelerate the development of JSIPS-N components of Navy C4I dissemination architectures. You					
Continue JSIPS-N systems engineering including Precision Targeting Workstation (PTW), Precision Guided Munitions (PGM), 'classified' communications, JSIPS-N concentrator Architecture (JCA), and Imagery Exploitation Software Segment (IESS) and accelerate the development of JSIPS-N components of Navy C4I dissemination architectures. FY 02		3.726 4.008	4.106	3.371	
Architecture (JCA), and Imagery Exploitation Software Segment (IESS) and accelerate the development of JSIPS-N components of Navy C4I dissemination architectures. Accomplishments/Effort/Subtotal Cost	RDT&E Articles Quantity				
RDT&E Articles Quantity Continued Shared Reconnaissance Pod (SHARP)-tactical Input Segment (TIS) systems engineering and integration including the incorporation of appropriate Navy Input Segment (NAVIS)					
Continued Shared Reconnaissance Pod (SHARP)-tactical Input Segment (TIS) systems engineering and integration including the incorporation of appropriate Navy Input Segment (NAVIS)		FY 02 FY 03	FY 04	FY 05	
	Accomplishments/Effort/Subtotal Cost				
	RDT&E Articles Quantity Continued Shared Reconnaissance Pod (SHAR	0.500 0.214	0.215	0.176	Segment (NAVIS)
	RDT&E Articles Quantity Continued Shared Reconnaissance Pod (SHAR	0.500 0.214	0.215	0.176	Segment (NAVIS)
	RDT&E Articles Quantity Continued Shared Reconnaissance Pod (SHAR	0.500 0.214	0.215	0.176	Segment (NAVIS)

R-1 SHOPPING LIST - Item No.

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justificat	tion			DATE:		
					February 2003	
PROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMB	BER AND NAME	PROJECT NUMBER AND N	AME	-	
DT&E, N / BA-7	0305208N Distributed Commo	on Ground Systems (DC	GS A2174 CIGSS (JSIPS-N)			
Accomplishments/Planned Program (Cont.)						
	FY 02	FY 03	FY 04	FY 05		
Accomplishments/Effort/Subtotal Cost	0.100	0.100	0.100	0.100		
RDT&E Articles Quantity						
	EV 02	EV 02	FV.04	FV or		
Accomplishments/Effort/Subtotal Cost	FY 02	FY 03	FY 04	FY 05		
Accomplishments/Effort/Subtotal Cost RDT&E Articles Quantity	FY 02	FY 03	FY 04	FY 05		
Accomplishments/Effort/Subtotal Cost RDT&E Articles Quantity	FY 02	FY 03	FY 04	FY 05		
	FY 02	FY 03	FY 04	FY 05		
	FY 02	FY 03	FY 04	FY 05		
	FY 02	FY 03	FY 04	FY 05		
	FY 02	FY 03	FY 04	FY 05		
	FY 02	FY 03	FY 04	FY 05		

R-1 SHOPPING LIST - Item No.

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification					DATE:	
						February 2003
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER	AND NAME		PROJECT NUMBER	AND NAME	
RDT&E, N / BA-7	0305208N Distributed Common G	round Systems	(DCGS)	A2174 CIGSS (JSIP	S-N)	
C. PROGRAM CHANGE SUMMARY:						
Funding:	FY 2002	FY 2003	FY 2004	FY 2005		
Previous President's Budget:	4.352	4.482	4.532	3.733		
Current BES/President's Budget	4.326	4.322	4.421	3.647		
Total Adjustments	-0.026	-0.160	-0.111	-0.086		
Summary of Adjustments						
Congressional program reductions	-0.009					
Congressional undistributed reductions		-0.079				
Congressional rescissions						
SBIR/STTR Transfer						
Economic Assumptions	-0.012	-0.081	-0.102	-0.079		
Reprogrammings						
Other Navy/OSD Adjustments	-0.005		-0.009	-0.007		
Congressional increases						
Subtotal	-0.026	-0.160	-0.111	-0.086		
Schedule:						
Not Applicable.						
Tion ipplication						
Technical:						
Not Applicable.						
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CLASSIFICATION:

•									Febru	ary 2003
PROPRIATION/BUDGET ACTIVITY		PROGRAM E	LEMENT NUM	IBER AND NAM	ΛE	PROJECT NU	MBER AND N	IAME		
DT&E, N / B	\-7	0305208N Di	stributed Comn	non Ground Sy	stems (DCGS	A2174 CIGSS	(JSIPS-N)			
D. OTHER PROGRAM FUNDIN	G SUMMARY:									
Line House No. O. Norse	E)/ 0/	F\/	EV 0004	E)/ 0005	E)/ 0000	=1/.000=	=>/	=>/.0000	То	Total
<u>Line Item No. & Name</u> OPN, BLI 291400 Common Ima	FY 20 gery Ground 56.8		FY 2004 60.600	FY 2005 53.302	<u>FY 2006</u> 72.941	<u>FY 2007</u> 74.339	FY 2008 60.534	<u>FY 2009</u> 61.628	Complete Continuing	Cost Continuing
Support/Systems (CIGSS)	,o., o. oa oo.o	0000	00.000	00.002	. 2.0		00.00	01.020		oog

E. ACQUISITION STRATEGY: *

The production system consists of three elements, the Softcopy Exploitation System (SES) consisting of the Digital Imagery Workstation Suite Afloat (DIWSA) and the Precision Targeting Workstation (PTW), the National Input Segment (NIS) and Tactical Input Segment (TIS). The DIWSA is already in full rate co-production with other programs, most notably Tomahawk's mission planning systems. The NIS is also in full rate production and supplied as Government Furnished Equipment (GFE) by the National Imagery and Mapping Agency (NIMA SDD). The TIS is acquired from the Air Force Electronic Systems Center (ESC) at Hanscom AFB. The TIS includes a Common Imagery Processor (CIP) that is supplied as GFE to the integrating contractor. The system integrator for the Navy system is the Space and Naval Warfare Systems Command.

F. MAJOR PERFORMERS: **

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

^{**} Required for DON and OSD submit only.

CLASSIFICATION:

									DATE:				
Exhibit R-3 Cost Analysis (pa	ge 1)										February 200	03	
APPROPRIATION/BUDGET ACTIV	/ITY		PROGRAM E	LEMENT			PROJECT N	UMBER 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	0	0.000		0.000	0.000	
Development Support													
Software Development	MIPR	Various		18.502	4.222	11/02	4.32	1 11/03	3.547	11/04	Continuing	Continuing	
Integrated Logistics Support													
Configuration Management													
Technical Data													
Studies & Analyses													
GFE													
Award Fees													
Subtotal Support				18.502	4.222		4.32	1	3.547	'	Continuing	Continuing	
Remarks:													
	-			R-1 SHOP	PING LIST -	Item No	208			<u> </u>			

Exhibit R-3, Project Cost Analysis (Exhibit R-3, page 7 of 22)

CLASSIFICATION:

									DATE:				
Exhibit R-3 Cost Analysis (page	ge 2)										February 200	03	
APPROPRIATION/BUDGET ACTIV	/ITY	PROGRAM	I ELEMENT				PROJECT N	JMBER AND	NAME				
RDT&E, N / BA-7		0305208N	Distributed Co	mmon (Ground Sy	stems (DCGS)	A2174 CIGSS	S (JSIPS-N)					
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY Co:		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		375	0.100	06/03	0.100	06/04	0.100	06/05	Continuing	Continuing	1
Operational Test & Evaluation												-	
Live Fire Test & Evaluation													
Test Assets													
Tooling													
GFE													
Award Fees													
Subtotal T&E			0	.375	0.100	D	0.100	D	0.100		Continuing	Continuing	1
Contractor Engineering Support													
Government Engineering Support													
Program Management Support													
Travel													
Transportation													
SBIR Assessment													
Subtotal Management			0	.000	0.000)	0.000	ס	0.000)	0.000	0.000)
Remarks:													
Total Cost			18	.877	4.322	2	4.42	1	3.647	,	Continuing	Continuing]
Remarks:													

CLASSIFICATION:

EXHIBIT R4, Schedule																						DATE:		Fe	<u>ebru</u> a	ry 20	03		
APPROPRIATION/BUDGET RDT&E, N /	BA-7						PROGRAM 305208N							ocgs)						IUMBER S (JSIPS		NAMI	E						
Fiscal Year	2002			2003	3			004			200		01110 (1		200	06		7(217)	200		11)		200	08			200)9	
. 1994. 704.	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	1	2	3	4
DIWSA/PTW											DIWSA	/PTW	Trans	ition &	Tech-f	Refres	h												
NIS-JCA										ı	JC	A Trai	nsition	& Tech	-Refre	esh						ı							
TIS	Block 2 ECP		Bloc	ck 3 EC	P		Blo	ock 4 E	CP			Blo	ck 5 E	CP			Bl	ock 6 E	CP			Blo	ck 7 E	CP			Block	8 ECF	•
						FRP															- L D -	efresh							
		Block 2	OA			Bic	ock 3 OA				Block 4			em No		208	OA		2	Blo	k 6 C	DA			Bio	ock 7 C	DA		

 $^{^{\}star}$ Not required for Budget Activities 1, 2, 3, and 6 $\,$

CLASSIFICATION:

Exhibit R-4a, Schedule Detail						DATE:		
						l I	February 20	03
APPROPRIATION/BUDGET ACTIVITY	PROGRAM E	LEMENT			PROJECT NU			
RDT&E, N / BA-7	0305208N Dis	tributed Comm	on Ground Svs	stems (DCGS)	A2174 CIGSS	(JSIPS-N)		
Schedule Profile	FY 2002		FY 2004				FY 2008	FY 2009
DIWSA/PTW Transition & Tech-Refresh	1Q							4Q
NIS-JCA Transition & Tech-Refresh	1Q							4Q
TIS Baseline Production	1Q			4Q				·
Tech-Refresh					1Q			4Q
Block 2 ECP	1Q-3Q							
Block 2 OA	3Q							
Block 3 ECP	4Q	4Q						
Block 3 OA		4Q						
Block 4 ECP			1Q	1Q				
Block 4 OA				1Q				
Block 5 ECP				1Q	3Q			
Block 5 OA					2Q			
Block 6 ECP					3Q	4Q		
Block 6 OA						3Q		
Block 7 ECP						4Q	4Q	
Block 7 OA							4Q	
Block 8 ECP							4Q	Cont.
Block 8 OA (1Q FY10)								
				1			1	

R-1 SHOPPING LIST - Item No.

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification							DATE:	
							Februa	ry 2003
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEM	ENT NUMBER AN	D NAME		PROJECT NUMBE	ER AND NAME		
RDT&E, N / BA-7	0305208N Distribut	ted Common Grou	nd Systems (DCGS	S)	A9118 Precision T	argeting System M	odernization	
COST (\$ in Millions)	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
Project Cost	2.767							
RDT&E Articles Qty		·						

A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

- (U) The Precision Targeting Workstation (PTW) and Digital Imagery Workstation Suite Afloat (DIWSA) make up the Softcopy Exploitation Segment (SES) of JSIPS-N which are used for precision mensuration and exploitation. SES is one of the three major components of JSIPS-N. The other two are the National Input Segment (NIS), used for receipt of national imagery and dissemination of secondary imagery products, and the Tactical input Segment (TIS) used with the Common Imagery jProcessor (CIP) for receipt and processing of tactical/theater imagery.
- (U) DIWSA is also utilized by the Afloat Planning Systems (APS), the afloat version of the Tomahawk Theater Mission Planning Center (TMPC). The purpose of APS DIWS is to generate Tomahawk Land Attack Mission (TLAM) specific formatted terminal area navigation products from imagery and support data. DIWS is also used afloat for Precision Guided Munition (PGM) coordinates in support of JSIPS-N.
- (U) The FY 2002 funding of \$2.8, less Congressional undistributed reductions, was a Congressional add to accelerate the transition of DIWSA and PTW from TAC-4 type systems to PC-based configuration. The end item is the PTW 5.0 build which combines the functionallity of both DIWS and PTW. The PC migration effort started in FY01 under the Tomahawk program and has an IOC of June 2005. This funding accelerates the IOC by two years, June 2003.

R-1 SHOPPING LIST - Item No.

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justificat	iion			DATE: February 2003	
PPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUM	MBER AND NAME	PROJECT NUMBER AND		
DT&E, N / BA-7	0305208N Distributed Com	mon Ground Systems (DCGS	A9118 Precision Targeting	System Modernization	
3. Accomplishments/Planned Program					
	FY 02	FY 03	FY 04	FY 05	
Accomplishments/Effort/Subtotal Cost	2.767				
RDT&E Articles Quantity					
Transistioned DIWS to PC-Based configuration	n.				
Accomplishments/Effort/Subtotal Cost	FY 02	FY 03	FY 04	FY 05	
RDT&E Articles Quantity					
Accomplishments/Effort/Subtotal Cost RDT&E Articles Quantity	FY 02	FY 03	FY 04	FY 05	

R-1 SHOPPING LIST - Item No.

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification					DATE:	
						February 2003
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER	AND NAME		PROJECT NUMBE	ER AND NAME	
RDT&E, N / BA-7	0305208N Distributed Common G	round Systems	(DCGS)	A9118 Precision T	argeting System Modernizati	on
C. PROGRAM CHANGE SUMMARY:						
Funding: Previous President's Budget:	FY 2002 0.000	FY 2003	FY 2004	FY 2005		
Current BES/President's Budget	2.775					
Total Adjustments	2.775	0.000	0.000	0.000		
Summary of Adjustments Congressional program reductions Congressional undistributed reductions Congressional rescissions SBIR/STTR Transfer Economic Assumtions	-0.033					
Reprogrammings						
Congressional increases	2.800					
Subtotal	2.767	0.000	0.000	0.000		
Schedule:						
Not Applicable.						
Technical:						
Not Applicable.						
	D 4 CHODD	INIO LIOT. II		200		

CLASSIFICATION:

										Februa	ary 2003	
PROPRIATION/BUDGE	T ACTIVITY		PROGRAM EI	LEMENT NUM	BER AND NAM	1E	PROJECT NU	MBER AND N	AME		-	
DT&E, N /	BA-7		0305208N Dis	tributed Comm	on Ground Sys	stems (DCGS)	A9118 Precision	on Targeting S	ystem Modern	ization		
D. OTHER PROGR	AM FUNDING SUMMARY:									То	Total	
Line Item No. & N OPN, BLI 291400 (Support/Systems (6	common Imagery Ground	<u>FY 2002</u> 56.894	<u>FY 2003</u> 51.330	<u>FY 2004</u> 60.600	<u>FY 2005</u> 53.302	<u>FY 2006</u> 72.941	<u>FY 2007</u> 74.339	<u>FY 2008</u> 60.534	<u>FY 2009</u> 61.628	Complete Continuing	Cost Continuing	
E. ACQUISITION STI	RATEGY: strategy for this project is to s	support the relat	ed TMPC acqu	uisition strategy	for the comple	etion the PC- b	ased migration	effort.				

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification							DATE:	
							Februa	ry 2003
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEM	ENT NUMBER AND	NAME		PROJECT NUMBE	ER AND NAME		
RDT&E, N / BA-7	0305208N Distribu	ted Common Grour	nd Systems (DCGS	5)	A9157 Cross Prog	ram DCGS-N Integ	ration	
COST (\$ in Millions)	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
Project Cost 2.927								
RDT&E Articles Qty								

A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

- (U) Distributed Common Ground System-Navy (DCGS-N) Cross-System Integration implements the fusion of national and joint-service intelligence data in support of Joint Task Force (JTF)-level and component campaign planning, Time-Sensitive Targeting (TST), combat assessment, and combat execution. It applies interoperability standards across common system components within an open architecture environment to enable collaborative Tasking, Processing, Exploitation, and Dissemination (TPED) Navy as well as other service DCGS systems. This capability facilitates dynamic cross-cueing of collection sensors and timely fusion of data collected by networked sensors including spaceborne, airborne, and surface Intelligence, Surveillance, and Reconnaissance (ISR) assets
- (U) FY03 funding was a Congressional add for Cross-system DCGS-N integration in support of TST which has been incorporated into existing system enhancement actions comprising the JSIPS-N life cycle modernization plan.

R-1 SHOPPING LIST - Item No.

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justifica	ation			DATE: February 2003	
PPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUM	MBER AND NAME	PROJECT NUMBER AND		
DT&E, N / BA-7	0305208N Distributed Com	mon Ground Systems (DC	GS A9157 Cross Program DC	CGS-N Integration	
. Accomplishments/Planned Program					
	FY 02	FY 03	FY 04	FY 05	
Accomplishments/Effort/Subtotal Cost		2.927			
RDT&E Articles Quantity					
	FY 02	FY 03	FY 04	FY 05	
Accomplishments/Effort/Subtotal Cost					
RDT&E Articles Quantity					
Accomplishments/Effort/Subtotal Cost RDT&E Articles Quantity	FY 02	FY 03	FY 04	FY 05	
	<u>'</u>				

R-1 SHOPPING LIST - Item No.

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification					DATE:	
						February 2003
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER	AND NAME		PROJECT NUM	BER AND NAME	
RDT&E, N / BA-7	0305208N Distributed Common G	round Systems	(DCGS)	A9157 Cross Pro	ogram DCGS-N Integration	
C. PROGRAM CHANGE SUMMARY:						
Funding: Previous President's Budget: Current BES/President's Budget	FY 2002	FY 2003 0.000 2.927	FY 2004	FY 2005		
Total Adjustments	0.000	2.927	0.000	0.000		
Summary of Adjustments Congressional program reductions Congressional undistributed reductions Congressional rescissions SBIR/STTR Transfer		-0.018				
Economic Assumtions Reprogrammings		-0.055				
Other Navy/OSD Adjustments		3.000				
Subtotal	0.000	2.927	0.000	0.000		
Schedule:						
Not Applicable.						
Technical:						
Not Applicable.						
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CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification				DATE:	
					February 2003
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUME		PROJECT NUMBER AND N		
RDT&E, N / BA-7	0305208N Distributed Commo	on Ground Systems (DCGS)	A9157 Cross Program DCG	S-N Integration	
D. OTHER PROGRAM FUNDING SUMMARY:					To Total
Line Item No. & Name FY 2002 OPN, BLI 291400 Common Imagery Ground 56.894 Support/Systems (CIGSS)	FY 2003 51.330 FY 2004 60.600	FY 2005 53.302 FY 2006 72.941	FY 2007 FY 2008 74.339 60.534		Complete Cost Continuing Continuing
E. ACQUISITION STRATEGY: *					
F. MAJOR PERFORMERS: **					
* Not required for Budget Activities 1,2,3, and 6 ** Required for DON and OSD submit only.					

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification							DATE:	
							Februa	ry 2003
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEM	ENT NUMBER AN	D NAME		PROJECT NUMBE	ER AND NAME		
RDT&E, N / BA-7	0305208N Distribu	ited Common Grou	nd Systems (DCGS	S)	A9158 Converge	d Architecture for	NFN	
COST (\$ in Millions)	FY 2002	FY 2002 FY 2003 FY 2004 FY 2005 FY 2006 FY 2007					FY 2008	FY 2009
Project Cost	1.269							
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.		

R-1 SHOPPING LIST - Item No.

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justifica	tion			DATE: February 2003	
PPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUM	MBER AND NAME	PROJECT NUMBER AND	NAME	
DT&E, N / BA-7	0305208N Distributed Comr	mon Ground Systems (DCGS	A9158 Converged Arch	itecture for NFN	
. Accomplishments/Planned Program			-		
	FY 02	FY 03	FY 04	FY 05	
Accomplishments/Effort/Subtotal Cost		1.269			
RDT&E Articles Quantity					
	FY 02	FY 03	FY 04	FY 05	
Accomplishments/Effort/Subtotal Cost					
RDT&E Articles Quantity					
Accomplishments/Effort/Subtotal Cost RDT&E Articles Quantity	FY 02	FY 03	FY 04	FY 05	
	, 	,			

R-1 SHOPPING LIST - Item No.

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification					DATE:	
						February 2003
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER	AND NAME		PROJECT NUM	BER AND NAME	
RDT&E, N / BA-7	0305208N Distributed Common G	round Systems	(DCGS)	A9158 Converg	ged Architecture for NFN	
C. PROGRAM CHANGE SUMMARY:						
Funding: Previous President's Budget: Current BES/President's Budget	FY 2002	FY 2003 0.000 1.269	FY 2004	FY 2005		
Total Adjustments	0.000	1.269	0.000	0.000		
Summary of Adjustments Congressional program reductions Congressional undistributed reductions Congressional rescissions SBIR/STTR Transfer		-0.007				
Economic Assumtions Reprogrammings		-0.024				
Other Navy/OSD Adjustments		1.300				
Subtotal	0.000	1.269	0.000	0.000		
Schedule:						
Not Applicable.						
Technical:						
Not Applicable.						

CLASSIFICATION:

EXHIBIT R-2a, RDT&E Project Justification		DATE:
		February 2003
APPROPRIATION/BUDGET ACTIVITY	PROGRAM ELEMENT NUMBER AND NAME PROJECT NUMBER AND	
RDT&E, N / BA-7	0305208N Distributed Common Ground Systems (DCGS) A9158 Converged Archi	itecture for NFN
D. OTHER PROGRAM FUNDING SUMMARY:		To Total
Line Item No. & Name FY 2002 OPN, BLI 291400 Common Imagery Ground 56.894 Support/Systems (CIGSS)	FY 2003 FY 2004 FY 2005 FY 2006 FY 2007 FY 2008 51.940 60.600 53.302 72.941 74.339 60.534	FY 2009 Complete Cost 61.628 Continuing Continuing
E. ACQUISITION STRATEGY: *		
F. MAJOR PERFORMERS: **		
* Not required for Budget Activities 1,2,3, and 6 ** Required for DON and OSD submit only.		