

CLASSIFICATION:

UNCLASSIFIED

EXHIBIT R-2, RDT&E Budget Item Justification								DATE:			
								June 2001			
APPROPRIATION/BUDGET ACTIVITY						R-1 ITEM NOMENCLATURE					
RESEARCH DEVELOPMENT TEST & EVALUATION, NAVY / BA-7						0305208N Distributed Common Ground Systems (DCGS)					
COST (\$ in Millions)	Prior Years Cost	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Cost to Complete	Total Program
Total PE Cost		5.530	4.434	4.467							
A2174 CIGSS (JSIPS-N)		5.530	4.434	4.467							
Quantity of RDT&E Articles	Not applicable										
(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 system 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. (U) JUSTIFICATION FOR BUDGET ACTIVITY: This program is funded under Operational Systems Development because it encompasses engineering and manufacturing development for upgrade of existing operational systems.											

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EXHIBIT R-2a, RDT&E Project Justification									DATE: June 2001		
APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-7		PROGRAM ELEMENT NUMBER AND NAME 0305208N Distributed Common Ground Systems (DCGS)				PROJECT NUMBER AND NAME A2174 CIGSS (JSIPS-N)					
COST (\$ in Millions)	Prior Years Cost	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Cost to Complete	Total Program
Project Cost		5.530	4.434	4.467							
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 system 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 Justification		DATE: June 2001
APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-7	PROGRAM ELEMENT NUMBER AND NAME 0305208N Distributed Common Ground Systems (DCGS)	PROJECT NUMBER AND NAME A2174 CIGSS (JSIPS-N)
(U) PROGRAM ACCOMPLISHMENTS AND PLANS: 1. FY 2000 ACCOMPLISHMENTS: (U) (\$4.278) Continued JSIPS-N systems engineering including Precision Targeting Workstation (PTW), Precision Guided Munitions (PGMs), 'classified' communications architecture, JSIPS-N Concentrator Architecture (JCA), and Imagery Exploitation Software Segment (IESS). (U) (\$1.152) Continued Share Reconnaissance Pod (SHARP)-Tactical Input Segment (TIS) systems engineering and integration. (U) (\$0.100) Continued Test and Evaluation (T&E) of ongoing system upgrades and modifications. 2. FY 2001 PLANS: (U) (\$3.758) Continue JSIPS-N systems engineering including PTW, PGM, 'classified' communications, JCA, and IESS. (U) (\$0.576) Continue SHARP-TIS systems engineering and integration including the incorporation of appropriate Navy Input Segment (NAVIS) functions. (U) (\$0.100) Continue T&E of ongoing system upgrades and modifications. 3. FY 2002 PLANS: (U) (\$3.805) Continue JSIPS-N systems engineering including PTW, PGM, 'classified' communications, JCA, and IESS. (U) (\$0.562) Continue SHARP-TIS systems engineering and integration including the incorporation of appropriate NAVIS functions. (U) (\$0.100) Continue T&E of ongoing system upgrades and modifications.		

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APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-7	PROGRAM ELEMENT NUMBER AND NAME 0305208N Distributed Common Ground Systems (DCGS)	PROJECT NUMBER AND NAME A2174 CIGSS (JSIPS-N)																
(U) B. PROGRAM CHANGE SUMMARY: <table style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"></th> <th style="text-align: center; border-bottom: 1px solid black;">FY2000</th> <th style="text-align: center; border-bottom: 1px solid black;">FY2001</th> <th style="text-align: center; border-bottom: 1px solid black;">FY2002</th> </tr> </thead> <tbody> <tr> <td style="padding-left: 20px;">(U) FY 2001 President's Budget:</td> <td style="text-align: center;">5.552</td> <td style="text-align: center;">4.482</td> <td style="text-align: center;">4.478</td> </tr> <tr> <td style="padding-left: 20px;">(U) Adjustments from the President's Budget:</td> <td style="text-align: center;">(0.022)</td> <td style="text-align: center;">(0.048)</td> <td style="text-align: center;">(0.011)</td> </tr> <tr> <td style="padding-left: 20px;">(U) FY 2002 President's Budget:</td> <td style="text-align: center;">5.530</td> <td style="text-align: center;">4.434</td> <td style="text-align: center;">4.467</td> </tr> </tbody> </table> CHANGE SUMMARY EXPLANATION: (U) Funding: The FY 2000 decrease of \$0.022 million reflects a Congressional recission. The FY 2001 net decrease of \$0.048 million reflects a decrease of \$0.031 million for a Congressional reduction, a decrease of \$0.010 million for a Congressional Recission and a decrease of \$0.007 million for reprioritization of requirements within the Navy. The FY 2002 net decrease of \$0.011 million reflects a decrease of \$0.020 million for reprioritization of requirements within the Navy and an increase of \$0.008 million for economic assumptions. (U) Schedule: The TIS Milestone Schedule was changed as a result of Chief of Naval Operation (CNO) direction to include Shared Reconnaissance Pod (SHARP) into the TIS portion of the baseline JSIPS-N system. The current TIS schedule reflects a Pre-Planned Product Improvement sub-system to the JSIPS-N program. (U) Technical: Not Applicable.				FY2000	FY2001	FY2002	(U) FY 2001 President's Budget:	5.552	4.482	4.478	(U) Adjustments from the President's Budget:	(0.022)	(0.048)	(0.011)	(U) FY 2002 President's Budget:	5.530	4.434	4.467
	FY2000	FY2001	FY2002															
(U) FY 2001 President's Budget:	5.552	4.482	4.478															
(U) Adjustments from the President's Budget:	(0.022)	(0.048)	(0.011)															
(U) FY 2002 President's Budget:	5.530	4.434	4.467															

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DATE:

June 2001

APPROPRIATION/BUDGET ACTIVITY

RDT&E, N / BA-7

PROGRAM ELEMENT NUMBER AND NAME

0305208N Distributed Common Ground Systems (DCGS)

PROJECT NUMBER AND NAME

A2174 CIGSS (JSIPS-N)

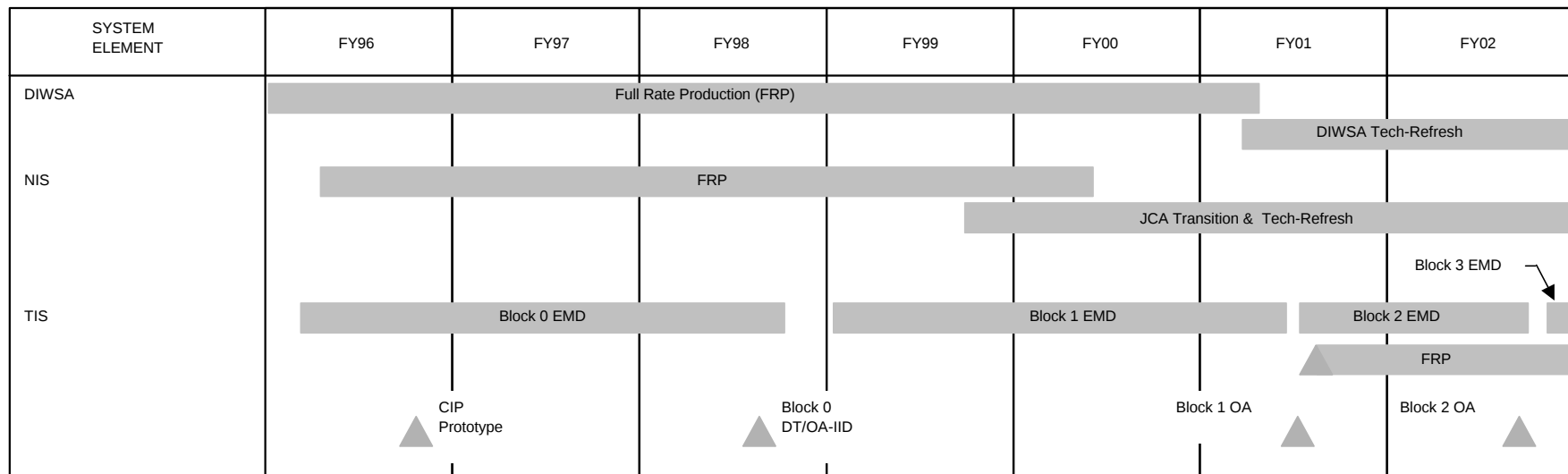
(U) C. OTHER PROGRAM FUNDING SUMMARY:

Line Item No. & Name	FY 2000	FY 2001	FY 2002
OPN, BLI 291400 Common Imagery			
Ground/Surface System (CIGSS)	40.266	46.207	58.446

Related RDT&E,N: Not Applicable

(U) D. 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.

(U) E. SCHEDULE PROFILE:



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Exhibit R-3 Cost Analysis (page 1)								DATE: June 2001				
APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT			PROJECT NUMBER AND NAME						
RDT&E, N / BA-7			0305208N Dist. Common Ground Systems (DCGS)			A2174 CIGSS (JSIPS-N)						
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 01 Cost	FY 01 Award Date	FY 02 Cost	FY 02 Award Date			Cost to Complete	Total Cost	Target Value of Contract
Systems Engineering	MIPR	NAWC WD-CL, CA	0.800	0.800	02/01	0.816	02/02					
Systems Engineering	MIPR	NRL, Wash DC	0.254	0.194	05/01	0.190	05/02					
Systems Engineering	MIPR	Mitre, VA	1.500	1.000	03/01	1.000	03/02					
Systems Engineering	MIPR	NRO, Wash DC	3.491	1.158	03/01	1.189	03/02					
Systems Engineering	MIPR	OSO, Wash DC	1.750	0.800	05/01	0.800	05/02					
Systems Engineering	MIPR	Rome Labs, NY	1.080									
Systems Engineering	MIPR	Hanscom ESC, NY	1.082	0.382	03/01	0.372	03/02					
Subtotal Product Development			9.957	4.334		4.367						
Remarks:												
Subtotal Support			0.000	0.000		0.000						
Remarks:												

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APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT			PROJECT NUMBER AND NAME						
RDT&E, N / BA-7			0305208N Dist. Common Ground Systems (DCGS)			A2174 CIGSS (JSIPS-N)						
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 01 Cost	FY 01 Award Date	FY 02 Cost	FY 02 Award Date			Cost to Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation	WX	COMOPTEVFOR, VA	0.175	0.100	06/01	0.100	06/02					
Subtotal T&E			0.175	0.100		0.100						
Remarks:												
Subtotal Management			0.000	0.000		0.000						
Remarks:												
Total Cost			10.132	4.434		4.467						
Remarks:												

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