

EXHIBIT R-2, RDT&E Budget Item Justification	DATE: February 2007
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APPROPRIATION/BUDGET ACTIVITY RESEARCH DEVELOPMENT TEST & EVALUATION, NAVY / BA-4					R-1 ITEM NOMENCLATURE 0603658N Cooperative Engagement Capability				
COST (\$ in Millions)	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	
Total PE Cost	95.824	64.296	33.283	39.174	49.412	46.444	46.727	47.039	
Cooperative Engagement Capability (CEC) / 2039	82.607	53.138	33.283	39.174	49.412	46.444	46.727	47.039	
Cooperative Engagement Capability Tech Refresh / 2616	12.259	11.158							
9999 / Congressional Adds	0.958								

A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

Cooperative Engagement Capability (CEC) significantly improves Battle Force Anti-Air Warfare (AAW) capability by coordinating all Battle Force AAW sensors into a single, real-time, composite track picture capable of fire control quality. CEC distributes sensor data from each ship and aircraft, or cooperating unit (CU), to all other CUs in the battle force through a real-time, line of sight, high data rate sensor and engagement data distribution network. CEC is highly resistant to jamming and provides accurate gridlocking between CUs. Each CU independently employs high capacity, parallel processing and advanced algorithms to combine all distributed sensor data into a fire control quality track picture which is the same for all CUs. CEC data is presented as a superset of the best AAW sensor capabilities from each CU, all of which are integrated into a single input to each CU's combat weapons system. CEC significantly improves our Battle Force defense in depth, including both local area and ship defense capabilities against current and future AAW threats. Moreover, CEC provides critical connectivity and integration of over-land air defense systems capable of countering emerging air threats, including land attack cruise missiles, in a complex littoral environment.

CEC consists of the Data Distribution System (DDS), the Cooperative Engagement Processor (CEP), and Combat System modifications. The DDS encodes and distributes ownship sensor and engagement data and is a high capacity, jam resistant, directive system providing a precision gridlocking and high throughput of data. The CEP is a high capacity distributed processor that is able to process force levels of data in near real-time. This data is passed to the ship's combat system as high quality data for which the ship can cue its onboard sensors or use the data to engage targets without actually tracking them.

The Navy has begun implementation of a Pre-Planned Product Improvement (P3I) approach to modify the current equipment to meet reduced size, weight, cost, power and cooling objectives. This P3I approach also supports continuity for interoperability improvements and program protection, as well as supporting open architecture initiatives, comms independence, Joint Tactical Radio System (JTRS) compliancy, and Global Information Grid (GIG) horizontal fusion initiatives. P3I will provide hardware which complies with Category 3 Open Architecture Computing Environment (OACE) standards with rehosted existing software, which will be fielded fleet-wide to allow affordable replacement of obsolete computing system components and eliminate dependencies on "closed" equipment, operating systems, and middleware.

Additionally, CEC is working with Joint Single Integrated Air Picture System Engineering Organization (JSSEO) to jointly engineer a sensor measurement fusion and track management algorithm set of solutions which is viable for all Services to implement toward achieving optimum interoperability across the battlespace. This effort supports re-architecting of battleforce functionality in order to support the Navy's Open Architecture functional architecture which establishes a common functional framework across Navy programs and platforms to reduce development cost by promoting software reuse. This architecture promotes interoperability by allowing functionality to be consistently engineered across the battlespace. The Open Architecture Track Manager (OATM) is derived from an Integrated Architecture Behavioral Model (IABM) through a series of configuration deliveries which will include Joint Track Management (JTM) functionality. General Dynamics was competitively awarded the Systems Integrator/Design Agent (SI/DA) contract in March 2005 to facilitate the development, integration, and testing of the JTM functionality across the applicable Navy Programs (e.g. DDG 1000, E-2, LCS).

Funding includes the following Congressional adds: FY06 \$0.958M for Navigation system enhancement aboard U.S. submarines and \$12.259M for CEC Improvements and integration into NIFC-CA. FY07 includes \$11.158 for CEC Improvements.

B. PROGRAM CHANGE SUMMARY:

Funding:	FY 2006	FY 2007	FY 2008	FY 2009
Previous President's Budget: (FY07 Pres Controls)	99.557	53.406	50.458	53.738
Current FY 08/09 Presidents Budget:	95.824	64.296	33.283	39.174
Total Adjustments	-3.733	10.890	-17.175	-14.564
Summary of Adjustments				
Programmatic Adjustments			-17.175	-14.564
Undistributed General Reductions	-239			
Reprogramming	-2.000			
SBIR	-2.494			
Congressional Program Reductions		-.310		
Congressional Increase	1.000	11.200		
Subtotal	-3.733	10.890	-17.175	-14.564

Schedule:

Commander Operational Test and Evaluation Force (COMOPTEVFOR) released their final FOT&E-3 report for CEC in July 2006. The AN/USG-2 shipboard system was found to be operationally effective and operationally suitable. The AN/USG-3 airborne system remained operationally effective, but not operationally suitable. Five major issues remain unresolved. An OT-IIIIB Working Group and a Test and Evaluation Integrated Product Team have been formed to analyze the test results and recommend the best way ahead.

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EXHIBIT R-2a, RDT&E Project Justification		DATE: February 2007
APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-4	PROGRAM ELEMENT NUMBER AND NAME 0603658N Cooperative Engagement Capability	PROJECT NUMBER AND NAME 2039/Cooperative Engagement Capability

Technical:
 Future AN/USG-2 and AN/USG-3 systems will incorporate Pre-Planned Product Improvements (P3I) to take advantage of hardware technology advances to provide a system with reduced cost, size, and weight. Additionally, alignment of the Joint Track Manager (JTM) architecture is on track with a report out at the Joint Single Integrated Air Picture Systems Engineering Organization's (JSSEO) Integrated Architecture Behavior Model (IABM) System Functional Requirements (SFR) review scheduled for August 2006. The Engineering Assessment (EA) 5 Test and Analysis Plan for Time Box (TB) 30 was signed and delivered in May 2006. The Navy Engineering Assessment Working Group (EAWG) Engineering Assessment Readiness Review was held in June 2006. EA 5 is on track with the final report anticipated in September 2006. Future CEC systems will use the Sierra II chip for secure data transmission. The Sierra II replaces the CDH chip used in legacy AN/USG-2/3 systems. The Sierra II chip is planned to be introduced into the FY08 production line.

C. OTHER PROGRAM FUNDING SUMMARY:

Line Item No. & Name	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Cost
PE 0206313M RDT&E,N (Marine Corps)	4.000	2.300	.900	.600					CONT	CONT
PU 61254 RDT&E,A (U.S. Army)									9.700	9.700
BLI 019500 E-2D PPU's			15.975						CONT	CONT
BLI 227300 Procurement, Marine Corps			3.000	7.000	10.000	5.000			CONT	CONT
BLI 260600 Cooperative Engagement Capability/OPN	20.447	27.372	26.562	35.652	27.440	26.151	26.827	23.790	CONT	CONT
BLI 202000 CG Modernization/OPN	4.600	10.700	20.800	21.000	27.700	32.300	34.000	34.600	CONT	CONT
BLI 019500 E-2D Aircraft /APN				13.049	13.365	18.176	18.984	19.402	CONT	CONT
Various SCN Procurement	16.187	12.034	25.738	5.585	17.131	12.731	5.286	5.402	CONT	CONT

D. ACQUISITION STRATEGY:

A revised Acquisition Strategy was approved August 2004 to reflect the realignment of track management functions with the Joint Single Integrated Air Picture Systems Engineering organization (JSSEO). JSSEO's Integrated Architecture Behavior Model (IABM) will ultimately replace the CEC Data Distribution System (DDS) which will be backward compatible with the IABM. The IABM will first be integrated with AEGIS as part of their Spiral 4 upgrade and delivered to the fleet by FY12.

E. MAJOR PERFORMERS:

General Dynamics Advanced Information Systems	Fairfax, Virginia	Systems Integration / Design Agent
Raytheon Systems Company	St. Petersburg, FL	Development of AN/USG-2 (shipboard) and AN/USG-3 (airborne) equipment and support of testing.
Johns Hopkins University, Applied Physics Laboratory	Laurel, MD	Technical Design Agent for AN/USG-2 and AN/USG-3 equipment and support of testing.
Northrop-Grumman Corporation	Bethpage LI, NY	Integration of AN/USG-3 equipment with E-2C HAWKEYE 2000 and Advanced E2 aircraft.
Naval Surface Weapons Center	Dahlgren, VA	Software Support Activity (SSA) and Systems Engineering/Integration Agent (SE/IA).
SAIC	St. Petersburg, FL	Mini Terminal
Sechan	Lititz, PA	Single Data Processor

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Total PE Cost	94.866	64.296	33.283	39.174	49.412	46.444	46.727	47.039	
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Cooperative Engagement Capability Tech Refresh / 2616	\$12.259	\$11.158							
Includes Congressional Add for \$12.259M. This funding is considered an addition to the 2039 effort.									
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Additionally, CEC is working with Joint Single Integrated Air Picture System Engineering Organization (JSSEO) to jointly engineer a sensor measurement fusion and track management algorithm set of solutions which is viable for all Services to implement toward achieving optimum interoperability across the battlespace. This effort supports re-architecting of battleforce functionality in order to support the Navy's Open Architecture functional architecture which establishes a common functional framework across Navy programs and platforms to reduce development cost by promoting software reuse. This architecture promotes interoperability by allowing functionality to be consistently engineered across the battlespace. The Open Architecture Track Manager (OATM) is derived from an Integrated Architecture Behavioral Model (IABM) through a series of configuration deliveries which will include Joint Track Management (JTM) functionality. General Dynamics was competitively awarded the Systems Integrator/Design Agent (SI/DA) contract in March 2005 to facilitate the development, integration, and testing of the JTM functionality across the applicable Navy Programs (e.g. DDG 1000, E-2, LCS).									

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APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-4	PROGRAM ELEMENT NUMBER AND NAME 0603658N Cooperative Engagement Capability	PROJECT NUMBER AND NAME 2039/Cooperative Engagement Capability

B. Accomplishments/Planned Program

	FY 06	FY 07	FY 08	FY 09
Accomplishments/Effort/Subtotal Cost	12.518	3.457	2.000	1.000
RDT&E Articles Quantity				

FY06 Plan: Continued development, integration and testing of computer program Baseline 2.1 for ACDS, AEGIS, and SSDS platforms. Complete FOT&E-3 testing efforts.
 FY07 Plan: Continue development, integration and testing of computer program Baseline 2.1 for ACDS, AEGIS, and SSDS platforms. Begin FOT&E-4 testing efforts on SSDS MK2 Mod 2 (LPD 17) equipped ships and begin Single Data Processor (SDP) test analysis.
 FY08 Plan: Continue development, integration and testing of computer program Baseline 2.1 for ACDS, AEGIS, and SSDS platforms. Complete FOT&E-4 test analysis, continue SDP test analysis.
 FY09 Plan: Continue development, integration and testing of computer program Baseline 2.1 for ACDS, AEGIS, and SSDS platforms. Begin FOT&E-5 testing and analysis. Continue SDP test analysis.

	FY 06	FY 07	FY 08	FY 09
Accomplishments/Effort/Subtotal Cost	11.142	16.590	9.300	12.200
RDT&E Articles Quantity				

FY06 Plan: Continued CEC integration efforts with E-2D and begin CEC integration efforts with Naval Integrated Fire Control (NIFC-CA).
 FY07 Plan: Continue CEC integration efforts with E-2D and NIFC-CA.
 FY08 Plan: Continue CEC integration efforts with E-2D and NIFC-CA.
 FY09 Plan: Continue CEC integration efforts with E-2D and NIFC-CA.

	FY 06	FY 07	FY 08	FY 09
Accomplishments/Effort/Subtotal Cost	0.990	1.000	1.300	1.564
RDT&E Articles Quantity				

FY06 Plan: Continued Systems Engineering/Integration Agent (SE/IA) for development and execution of systems engineering processes by NSWC, Dahlgren.
 FY07 Plan: Continue Systems Engineering/Integration Agent (SE/IA) for development and execution of systems engineering processes by NSWC, Dahlgren.
 FY08 Plan: Continue Systems Engineering/Integration Agent (SE/IA) for development and execution of systems engineering processes by NSWC, Dahlgren.
 FY09 Plan: Continue Systems Engineering/Integration Agent (SE/IA) for development and execution of systems engineering processes by NSWC, Dahlgren.

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APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-4	PROGRAM ELEMENT NUMBER AND NAME 0603658N Cooperative Engagement Capability	PROJECT NUMBER AND NAME 2039/Cooperative Engagement Capability
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B. Accomplishments/Planned Program (Cont.)

	FY 06	FY 07	FY 08	FY 09
Accomplishments/Effort/Subtotal Cost	17.516	16.545	0.000	0.000
RDT&E Articles Quantity				

FY06 Plan: Continued SI/DA contract for JTM / IABM integration, implementation, and test.
 FY07 Plan: Complete SI/DA contract for JTM / IABM integration, implementation, and test.
 FY08 Plan: None
 FY09 Plan: None

	FY 06	FY 07	FY 08	FY 09
Accomplishments/Effort/Subtotal Cost	29.500	0.000	0.000	0.000
RDT&E Articles Quantity				

FY06 Plan: Continued P3I hardware and software efforts including DDS breakup and test, comms independence efforts including antenna alternatives and JTRS compliancy, and Mini Terminal alternatives efforts.
 FY07 Plan: None
 FY08 Plan: None
 FY09 Plan: None

	FY 06	FY 07	FY 08	FY 09
Accomplishments/Effort/Subtotal Cost	13.120	16.684	11.405	12.832
RDT&E Articles Quantity				

FY06 Plan: Continued CEC system improvements including enhanced communications, expansion of networking capability, development of system protection/multi-level secure operational-level secure operations, Planar Array Active Antenna (PAAA), and Modeling and Simulation. Funding includes \$9.046M of Congressional Plus-up funding.
 FY07 Plan: Continue CEC system improvements including enhanced communications, expansion of networking capability, development of system protection/multi-level secure operational-level secure operations, Planar Array Active Antenna (PAAA), and Modeling and Simulation. Funding includes \$4.158M of Congressional Plus-up funding.
 FY08 Plan: Continue CEC system improvements including enhanced communications, expansion of networking capability, development of system protection/multi-level secure operational-level secure operations, Planar Array Active Antenna (PAAA), and Modeling and Simulation.
 FY09 Plan: Continue CEC system improvements including enhanced communications, expansion of networking capability, development of system protection/multi-level secure operational-level secure operations, Planar Array Active Antenna (PAAA), and Modeling and Simulation.

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B. Accomplishments/Planned Program (Cont.)

	FY 06	FY 07	FY 08	FY 09
Accomplishments/Effort/Subtotal Cost	3.000	2.000	2.000	2.000
RDT&E Articles Quantity				

FY06 Plan: Continued participation in system interoperability exercises and Joint Integrated Demonstrations.
 FY07 Plan: Continue participation in system interoperability exercises and Joint Integrated Demonstrations.
 FY08 Plan: Continue participation in system interoperability exercises and Joint Integrated Demonstrations.
 FY09 Plan: Continue participation in system interoperability exercises and Joint Integrated Demonstrations.

	FY 06	FY 07	FY 08	FY 09
Accomplishments/Effort/Subtotal Cost	7.080	8.020	7.278	9.578
RDT&E Articles Quantity				

FY06 Plan: Continued field activity support of CEC development efforts (I.e. Technical Direction Agent, In-Service Engineering, Integrated Logistics Support Planning) and program management support.
 FY07 Plan: Continue field activity support of CEC development efforts (I.e. Technical Direction Agent, In-Service Engineering, Integrated Logistics Support Planning) and program management support.
 FY08 Plan: Continue field activity support of CEC development efforts (I.e. Technical Direction Agent, In-Service Engineering, Integrated Logistics Support Planning) and program management support.
 FY09 Plan: Continue field activity support of CEC development efforts (I.e. Technical Direction Agent, In-Service Engineering, Integrated Logistics Support Planning) and program management support.

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Exhibit R-3 Project Cost Analysis (page 1)												DATE: February 2007			
APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT				PROJECT NUMBER AND NAME								
RDT&E, N / BA-4			0603658N Cooperative Engagement Capability				2039/Cooperative Engagement Capability								
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY's Cost	FY 06 Cost	FY 06 Award Date	FY 07 Cost	FY 07 Award Date	FY 08 Cost	FY 08 Award Date	FY 09 Cost	FY 09 Award Date	Cost to Complete	Total Cost	Target Value of Contract	
AN/USG-2/3 Development	CPAF	Raytheon, St. Petersburg, FL	597.892	2.498	Dec-05	5.880	Oct-06	6.494	Oct-07	8.665	Oct-08	Continuing	Continuing	TBD	
AN/USG-2/3 Development	CPAF	Award Fees	89.249	.435	Dec-05	.879	Oct-06	.964	Oct-07	1.286	Oct-08	Continuing	Continuing	TBD	
AN/USG-2/3 Development/TDA	CPFF	JHU/APL, Laurel, MD	260.993	10.674	Mar-06	6.750	Oct-06	7.134	Oct-07	8.000	Oct-08	Continuing	Continuing	TBD	
Block 2 Development/Competition	CPAF	Various	11.000										11.000	11.000	
SI/DA	CPAF	General Dynamics	18.157	14.035	Feb-06	14.465	Dec-06						44.622	44.622	
SI/DA	CPAF	Award Fees	2.343	1.780	Feb-06	2.080	Dec-06						16.423	16.423	
P3I	CPAF	Raytheon	31.835	22.348	Mar-06	6.544							58.379	58.379	
P3I	CPAF	Award Fees	4.715	3.839	Mar-06	.969							5.684	5.684	
E-2C/AHE Aircraft Integration	CPAF	Northrop-Grumman, LI., NY	187.408										187.408	187.408	
DDG 1000	CPAF	Raytheon, Massachusetts		7.631	Apr-06	2.499							2.499	2.499	
NIFC-CA Integration/E2-D	TBD	Various	7.908	11.142	Various	16.950	Various	9.300	Various	12.200	Various	Continuing	Continuing	TBD	
Tactical Component Network (TCN)	CPFF	Various	14.576										14.576	14.576	
P-3 Aircraft Integration	CPAF	Lockheed-Martin	40.377										40.377	40.377	
Baseline 2.2 Development	CPAF	Lockheed-Martin	11.881										11.881	11.881	
Space Based IR Sensors (SBIRS)	CPAF	Lockheed-Martin	12.843										12.843	12.843	
Modeling & Simulation	PD	PMS-456	5.261										5.261	TBD	
In-Service Engineering Activity	WX	NSWC, Port Hueneme, CA	21.206	.388	Oct-05	.134	Nov-06	.150	Nov-07	.200	Nov-08	Continuing	Continuing	TBD	
Land Based Test Network	PD	SPAWAR (PMW-159)	1.302										1.302	1.302	
Land Based Test Network	PD	NATC, Patuxent River, MD	.957										0.957	.957	
Software Support Activity/SEIA	WX	NSWC, Dahlgren, VA	66.357	2.895	Nov-05	1.000	Nov-06	1.300	Nov-07	1.564	Nov-08	Continuing	Continuing	TBD	
Antenna Redesign	RC	NSWC, Crane, IN	6.483										6.483	6.483	
Production Engineering Activity	WX	NSWC, Crane, IN	43.988	1.659	Nov-05	.763	Nov-06	.750	Nov-07	.900	Nov-08	Continuing	Continuing	TBD	
AEGIS Integration	CPAF	Lockheed-Martin	124.933										124.933	124.933	
SSDS/ACDS Integration	CPAF	Raytheon, San Diego, CA	39.871										39.871	39.871	
Area Air Def. Commander (AADC)	CPAF	General Dynamics	10.096										10.096	10.096	
SIAP Improvements	CPFF	JHU/APL, Laurel, MD	1.528										1.528	1.528	
JTRS	Various	Various	15.000	10.000	Nov-05								15.000	15.000	
SSDS OA	CPAF	Raytheon, San Diego, CA	15.415										15.415	15.415	
RMP	Various	Various	3.300										3.300	3.300	
Various	Various	Miscellaneous	91.101	.000	Various	1.576	Various	4.841	Various	5.009	Various	Continuing	Continuing	TBD	
Subtotal Product Development			1,737.975	89.324		60.489		30.933		37.824		Continuing	Continuing	TBD	
Remarks:															

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Exhibit R-3 Project Cost Analysis (page 2)											DATE: February 2007			
APPROPRIATION/BUDGET ACTIVITY			PROGRAM ELEMENT			PROJECT NUMBER AND NAME								
RDT&E, N / BA-4			0603658N Cooperative Engagement Capability			2039/Cooperative Engagement Capability								
Cost Categories	Contract Method & Type	Performing Activity & Location	Total PY s Cost	FY 06 Cost	FY 06 Award Date	FY 07 Cost	FY 07 Award Date	FY 08 Cost	FY 08 Award Date	FY 09 Cost	FY 09 Award Date	Cost to Complete	Total Cost	Target Value of Contract
Test Support	CPAF	Raytheon, St. Peters., FL	10.206										10.206	TBD
Test Support	CPAF	Award Fees	1.512										1.512	TBD
Test Support	CPFF	JHU/APL, Laurel, MD	11.607										11.607	11.607
Test Support	WX	NRL, Washington, DC	8.862										8.862	8.862
Test Support	WX	NSWC, Port Hueneme, CA	34.185	1.200	Oct-05	1.857	Oct-06	.400	Oct-07	.200	Oct-08	Continuing	Continuing	TBD
Air Operations Test Support	WX	NAVAIR (PMA-207)	7.959			.300							8.259	8.259
Test Data Reduction Analysis	WX	NWAS, Corona, CA	19.464	.883	Nov-06	.500	Oct-06	.500	Oct-07	.250	Oct-08	Continuing	Continuing	TBD
Test Support	WX	NSWC, Crane, IN	0.279										0.279	TBD
Test Support	WX	COMOPTEVFOR, VA	8.654	1.035	Oct-05	.300	Oct-06	.300	Oct-07	.150	Oct-08	Continuing	Continuing	TBD
Various	Various	Various	7.908	1.594	Various	.500	Various	.800	Various	.400	Various	Continuing	Continuing	TBD
Subtotal Test & Evaluation			110.636	4.712		3.457		2.000		1.000			40.725	TBD
Remarks:														
Program Management Support	FFP	Various	61.497	.830	Jul-06	.350	Oct-06	.350	Oct-07	.350	Oct-08	Continuing	Continuing	TBD
Subtotal Management			61.497	.830		.350		.350		.350		Continuing	Continuing	TBD
Remarks:														
Total Cost			1,910.108	94.866		64.296		33.283		39.174		Continuing	Continuing	TBD
Remarks:														

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EXHIBIT R4, Schedule Profile		DATE: February 2007
APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-4	PROGRAM ELEMENT NUMBER AND NAME 0603658N Cooperative Engagement Capability	PROJECT NUMBER AND NAME 2039/Cooperative Engagement Capability

	FY06	FY07	FY08	FY09	FY10	FY11	FY12	FY13
Acquisition Milestones		◆ ASIPT ANUSG-3	◆ OIPT/FRP ANUSG-3					
Program Milestones								
Contracts: Production (FY06 - FY08 USG-2A only) (FY09 - FY13 USG-2A and USG-3A)	▬ FY06	▬ FY07	▬ FY08	▬ FY09	▬ FY10	▬ FY11	▬ FY12	▬ FY13
		Signal Data Processor						
Pre-Planned Product Improvement		Design Agent (management of legacy S/W)						
		BDP Contract and Initial Deliveries						
	P/I M&V	◆	△ DDG-104 Delivery					
Test & Evaluation	DT/OT USG-2/3 FOT&E 3		DT/OT USG-2/3 FOT&E 4	DT/OT USG-2/3 FOT&E 5				

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APPROPRIATION/BUDGET ACTIVITY RDT&E, N / BA-4	PROGRAM ELEMENT NUMBER AND NAME 0603658N Cooperative Engagement Capability	PROJECT NUMBER AND NAME: VARIOUS 9999 Congressional Plus-Ups : VARIOUS
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CONGRESSIONAL PLUS-UPS:

	FY 06			
9814N	0.958			
SSN Navigation Enhancement Module				

FY06 Plan: Funds provided by Congress to enhance the accuracy of the submarine AN/WSN-7A Inertial Navigation System by improving computer codes using new algorithms to take advantage of available geophysical data. This includes gravity map matching capability and compensation for deflection of vertical due to proximity to sea mounts.