

# UNCLASSIFIED

**Exhibit R-2, RDT&E Budget Item Justification:** PB 2013 Navy **DATE:** February 2012

<b>APPROPRIATION/BUDGET ACTIVITY</b>				<b>R-1 ITEM NOMENCLATURE</b>							
1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>				PE 0603382N: <i>Advanced Combat Systems Tech</i>							
<b>COST (\$ in Millions)</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
Total Program Element	1.613	1.418	1.506	-	1.506	1.571	1.733	1.762	1.793	Continuing	Continuing
0324: <i>Adv Combat System Technology</i>	1.613	1.418	1.506	-	1.506	1.571	1.733	1.762	1.793	Continuing	Continuing

## **A. Mission Description and Budget Item Justification**

The Advanced Combat System Technology line is to evolve the technical and business practices for programs to change to an open architecture construct. The program was constructed to mature both technical and business model integration for C5I systems programs of record in an open architecture environment. The priority was incorporating the principles of modular design and design disclosure, reusable application software, interoperability and secure information exchange, lifecycle affordability and encouraging competition and collaboration.

Project Unit 0324: Funding is to maintain and update a repository environment to improve transparency of design disclosure and information exchange on past and current investments to support the principle of cross-program reuse, and to provide the tools and leadership for assisting programs through the transition to Naval Open Architecture (OA). The other elements of the OA transformation effort are being realized as management efficiencies within programs. Those elements include ensuring that all naval systems, families of systems, and programs move to modular OA in accordance with Department of Defense (DoD) Instruction 5000.1 dated 12 May 2003 which mandates that all DoD programs utilize open systems architectures to rapidly field affordable and interoperable systems. By direction of the Navy Service Acquisition Executive (SAE), PEO IWS is assigned overall responsibility and authority to direct the Navy's OA effort. That policy established a need to coordinate acquisition strategies, develop guidance and tools, and develop analysis of alternatives to determine OA software reuse practices within and across the Navy Communities of Interest (COI - Surface, Subsurface, Air, Space, C4I, USMC, and ONR). This project facilitates a strategic shift in the acquisition business process to facilitate cooperative competition in cross-domain/COI business relationships. This improves innovation and economies of scale throughout the Navy and Marine Corps. This leadership effort has identified the business case and potential return on investment for moving the Navy towards an open systems approach, supported the development of open systems technologies, and integrated best business and technical practices for open systems development within Naval acquisition. Naval OA ensures Navy-wide system architectures become extensible and scalable in function, capacity, and workload to meet Joint warfighting requirements. This also includes the identification and development of common software components, functions, reuse methodologies, and extensible product lines. In summary, this funding supports the management of a reuse repository and reuse information exchange portal, and the evolving business, systems engineering, and cultural changes required across all Naval programs as they migrate to function in a Joint, net-centric warfare environment.

**UNCLASSIFIED**

Exhibit R-2, RDT&E Budget Item Justification: PB 2013 Navy				DATE: February 2012	
APPROPRIATION/BUDGET ACTIVITY		R-1 ITEM NOMENCLATURE			
1319: Research, Development, Test & Evaluation, Navy		PE 0603382N: Advanced Combat Systems Tech			
BA 4: Advanced Component Development & Prototypes (ACD&P)					
B. Program Change Summary (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Previous President's Budget	1.658	1.418	1.511	-	1.511
Current President's Budget	1.613	1.418	1.506	-	1.506
Total Adjustments	-0.045	-	-0.005	-	-0.005
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.037	-			
• Rate/Misc Adjustments	-	-	-0.005	-	-0.005
• Congressional General Reductions Adjustments	-0.008	-	-	-	-
Change Summary Explanation					
Technical: Not applicable.					
Schedule: Not applicable.					

**UNCLASSIFIED**

Exhibit R-2A, RDT&E Project Justification: PB 2013 Navy									DATE: February 2012		
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 4: Advanced Component Development & Prototypes (ACD&P)				R-1 ITEM NOMENCLATURE PE 0603382N: Advanced Combat Systems Tech				PROJECT 0324: Adv Combat System Technology			
COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
0324: Adv Combat System Technology	1.613	1.418	1.506	-	1.506	1.571	1.733	1.762	1.793	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

**A. Mission Description and Budget Item Justification**

Project Unit 0324: Funding is to maintain and update a repository environment to improve transparency of design disclosure and information exchange on past and current investments to support the principle of cross-program reuse, and to provide the tools and leadership for assisting programs through the transition to Naval Open Architecture (OA). The other elements of the OA transformation effort are being realized as management efficiencies within programs. Those elements include ensuring that all naval systems, families of systems, and programs move to modular OA in accordance with Department of Defense (DoD) Instruction 5000.1 dated 12 May 2003 which mandates that all DoD programs utilize open systems architectures to rapidly field affordable and interoperable systems. By direction of the Navy Service Acquisition Executive (SAE), PEO IWS is assigned overall responsibility and authority to direct the Navy's OA effort. That policy established a need to coordinate acquisition strategies, develop guidance and tools, and develop analysis of alternatives to determine OA software reuse practices within and across the Navy Communities of Interest (COI - Surface, Subsurface, Air, Space, C4I, USMC, and ONR). This project facilitates a strategic shift in the acquisition business process to facilitate cooperative competition in cross-domain/COI business relationships. This improves innovation and economies of scale throughout the Navy and Marine Corps. This leadership effort has identified the business case and potential return on investment for moving the Navy towards an open systems approach, supported the development of open systems technologies, and integrated best business and technical practices for open systems development within Naval acquisition. Naval OA ensures Navy-wide system architectures become extensible and scalable in function, capacity, and workload to meet Joint warfighting requirements. This also includes the identification and development of common software components, functions, reuse methodologies, and extensible product lines. In summary, this funding supports the management of a reuse repository and reuse information exchange portal, and the evolving business, systems engineering, and cultural changes required across all Naval programs as they migrate to function in a Joint, net-centric warfare environment.

**B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)**

		<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>
<b>Title:</b> Align the Naval Enterprise Across All Domains to Implement OA		0.200	0.150	0.150
<b>Articles:</b>		0	0	0
<b>FY 2011 Accomplishments:</b>				
OA Enterprise Alignment: This funding supported the preparation and execution of the updated Assistant Secretary of the Navy for Research, Development, and Acquisition (ASN RD&A) Naval OA Policy and the subsequent update and execution of the Naval OA Strategy, including quarterly OA Enterprise Team (OAET) Lead Council meetings and reporting requirements of the OAET. Specifically, this includes OAET reporting of action items to Deputy Assistant Secretary of the Navy (DASN), quarterly OA Report to Congress, as well as the annual OA budget submission and financial reporting for this project. Alignment across the Naval Enterprise also includes the development and management of all other activities as the Lead Council directs. During FY 11, the asset repository SHARE II (Software Hardware Asset Reuse Enterprise, version 2), was upgraded from a low-activity repository				

**UNCLASSIFIED**

Exhibit R-2A, RDT&E Project Justification: PB 2013 Navy		DATE: February 2012		
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 4: Advanced Component Development & Prototypes (ACD&P)	R-1 ITEM NOMENCLATURE PE 0603382N: Advanced Combat Systems Tech	PROJECT 0324: Adv Combat System Technology		
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2011	FY 2012	FY 2013
of selected assets for which the Navy owned Government Purpose Rights (GPR), to a vibrant information exchange portal where Program Managers can discover and make use of existing DoD investments within the normal operating parameters of the marketplace. Additionally, as a leader of the Office of the Secretary of Defense's 'Better Buying Power' initiative, this funding paid to investigate and promulgate the true nature and proper application of government rights and responsibilities concerning industry's intellectual property rights, develop business case analysis rules for OA, and development of a DoD OA Contract Management Guidebook.  <b>FY 2012 Plans:</b> OA Enterprise Alignment: This funding supports the maintenance and execution of the Naval OA Policy and Strategy, including quarterly OAET Lead Council meetings and reporting requirements. Specifically, this includes OAET reporting of action items to DASN, quarterly OA Report to Congress, as well as the annual OA budget submission and financial reporting for this project. Alignment across the Naval Enterprise also includes the development and management of all other activities as the Lead Council directs. Specific goals for FY 12 include development of OA product line pilot projects, publication of a Program Manager's OA Handbook, and re-establishment of the OPNAV OA Cross-Functional Board to facilitate discussions on aligning OA requirements and resources.  <b>FY 2013 Plans:</b> OA Enterprise Alignment: This funding supports the maintenance and execution of the Naval OA Policy and Strategy, including quarterly OAET Lead Council meetings and reporting requirements. Specifically, this includes OAET reporting of action items to DASN, quarterly OA Report to Congress, as well as the annual OA budget submission and financial reporting for this project. Alignment across the Naval Enterprise also includes the development and management of all other activities as the Lead Council directs.				
Title: Change the Naval and Marine Corps Cultures to Institutionalize OA Principle  <b>Articles:</b>  <b>FY 2011 Accomplishments:</b> OA Enterprise Communications and Training: This funding supported the activities to enable the cultural adoption of OA principles and practices through stakeholder management, communications, and training. Key activities include the development of a new OA Contracting course, continued education of program office and contract management personnel on OA principles and business and technical methodologies, and numerous one-on-one sessions with DoD and Department of the Navy (DON) leadership personnel. This included participation, liaison, and coordination with multiple stakeholders including the DON Chief Information Officer (CIO), Naval Postgraduate School, symposia and panels to discuss OA implementation, and use of other communication vehicles to promulgate OA standards and methodologies for inclusion into Naval systems acquisition. Developed a draft Program Manager's OA Handbook to share information and guidance on managing an open program.  <b>FY 2012 Plans:</b>		0.317 0	0.300 0	0.311 0

# UNCLASSIFIED

<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2013 Navy		<b>DATE:</b> February 2012		
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0603382N: <i>Advanced Combat Systems Tech</i>	<b>PROJECT</b> 0324: <i>Adv Combat System Technology</i>		
<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>		<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>
OA Enterprise Communications and Training: This funding supports the activities to enable the cultural adoption of OA principles and practices through stakeholder management, communications, and training. Key activities include reorganization and update to Defense Acquisition University online OA training modules, presentation of existing training courses, and participation in symposia and panels to discuss OA implementation, and use of other communication vehicles to promulgate OA standards and methodologies for inclusion into Naval systems acquisition.				
<b>FY 2013 Plans:</b> OA Enterprise Communications and Training: This funding supports the activities to enable the cultural adoption of OA principles and practices through stakeholder management, communications, and training. Key activities include maintenance of Defense Acquisition University online OA training modules, presentation of existing training courses, and participation in symposia and panels to discuss OA implementation, and use of other communication vehicles to promulgate OA standards and methodologies for inclusion into Naval systems acquisition.				
<b>Title:</b> OA Systems Engineering Leadership		0.440	0.368	0.350
<b>Articles:</b>		0	0	0
<b>FY 2011 Accomplishments:</b> Systems Engineering: This funding provided OA Systems Engineering Leadership to a) perform Maintenance Free Operating Period (MFOP) pilot study (primarily funded via Congressional Add) lifecycle alternative cost analysis, capture MFOP lessons learned and participate in publishing a report, identify methods to extend MFOP principles to other Naval programs; b) analyze existing Information Assurance and Offboard Vehicle Control programs from which to develop proposed OA product lines and produce the presentation given to OA Lead Council in April 2011; c) publish a study on OA Product Lines, extending the Carnegie Mellon University's Software Engineering Institute systems engineering practices with reuse and cost savings to the Naval environment; and d) provide OA Systems Engineering expertise to the Maritime Theater Missile Defense (MTMD) Forum to ensure the delivery of open and interoperable solutions to the MTMD Integrated Air and Missile Defense enterprise.				
<b>FY 2012 Plans:</b> Systems Engineering: This funding supports systems engineering collaboration across the Naval Enterprise to facilitate the fielding of interoperable capabilities, including a) the further alignment of PEO architectures; b) providing guidance to Technical Warrant Holders who oversee OA implementation efforts to ensure standardized and disciplined processes, interfaces, and services are utilized; c) working with the Science and Technology (S&T) community to ensure OA is incorporated into emerging technologies; and d) working with the Test and Evaluation (T&E) community, academia, and industry partners to identify opportunities to reduce T&E expenses as a result of OA.				
<b>FY 2013 Plans:</b> Systems Engineering: This funding supports systems engineering collaboration across the Naval Enterprise to facilitate the fielding of interoperable capabilities, including a) the further alignment of PEO architectures; b) providing guidance to Technical				

**UNCLASSIFIED**

Exhibit R-2A, RDT&E Project Justification: PB 2013 Navy		DATE: February 2012		
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 4: Advanced Component Development & Prototypes (ACD&P)	R-1 ITEM NOMENCLATURE PE 0603382N: Advanced Combat Systems Tech	PROJECT 0324: Adv Combat System Technology		
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2011	FY 2012	FY 2013
Warrant Holders who oversee OA implementation efforts to ensure standardized and disciplined processes, interfaces, and services are utilized; c) working with the Science and Technology (S&T) community to ensure OA is incorporated into emerging technologies; and d) working with the Test and Evaluation (T&E) community, academia, and industry partners to identify opportunities to reduce T&E expenses as a result of OA.				
Title: Change Naval Processes and Business Practices		0.656	0.600	0.695
Articles:		0	0	0
FY 2011 Accomplishments: Naval Business Practices: This funding supported changing software reuse Naval Business Practices including a) development, socialization, and publication of OA Rules for inclusion in the Department of the Navy (DON) Chief Information Officer's DON Enterprise Architecture (EA) Compliance Process; b) maintenance and administration of the OA Software Hardware Asset Reuse Enterprise (SHARE) repository; and c) publication of Version 3.0 of the OA Contract Guidebook for Program Managers before transitioning this product to the DoD OA Team for issuance as a Joint Guidebook. This funding also supported changing Naval Processes through a) development of draft OA policies for the Navy, for the Assistant Secretary of the Navy for Research, Development, and Acquisition (ASN RD&A), and multiple Program Executive Offices; and b) development and promulgation of a Business Case Analysis Guide for OA Decision Making.				
FY 2012 Plans: Naval Business Practices: This funding supports changing software reuse Naval Business Practices including a) the development and refinement of policies, guidance, and terminology required to establish a consistent approach for OA across the Enterprise; b) the development and maintenance of analytical toolsets to assist Milestone Decision Authorities, Program Managers, and Resource Sponsors in assessing program openness and making informed OA investment decisions; and c) the facilitation of design disclosure, information sharing, and cross-domain component reuse to reduce costs and enable more effective technology insertion, including the administration of the OA Software Hardware Asset Reuse Enterprise (SHARE) repository capability.				
FY 2013 Plans: Naval Business Practices: This funding supports changing software reuse Naval Business Practices including a) the development and refinement of policies, guidance, and terminology required to establish a consistent approach for OA across the Enterprise; b) the development and maintenance of analytical toolsets to assist Milestone Decision Authorities, Program Managers, and Resource Sponsors in assessing program openness and making informed OA investment decisions; and c) the facilitation of design disclosure, information sharing, and cross-domain component reuse to reduce costs and enable more effective technology insertion, including the administration of the OA Software Hardware Asset Reuse Enterprise (SHARE) repository capability.				
Accomplishments/Planned Programs Subtotals		1.613	1.418	1.506

# UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2013 Navy									DATE: February 2012		
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 4: Advanced Component Development & Prototypes (ACD&P)				R-1 ITEM NOMENCLATURE PE 0603382N: Advanced Combat Systems Tech				PROJECT 0324: Adv Combat System Technology			
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
• R&D/0604307N /1447: AEGIS Surf Combatant Combat Sys Imp	195.569	223.217	260.217	0.000	260.217	253.166	226.221	263.670	142.545	Continuing	Continuing
• R&D/0604755N /2178: Ship Self Defense System	35.754	64.360	81.106	0.000	81.106	60.922	50.497	48.118	49.054	Continuing	Continuing
• R&D/0603658N /2039: Cooperative Engagement Capability	57.198	54.783	56.512	0.000	56.512	71.776	64.469	86.867	77.385	Continuing	Continuing
D. Acquisition Strategy											
This risk reduction effort evolved and shifted from a PEO IWS 1.0 task to Naval Surface Warfare Center (NSWC)/Dahlgren to an Assistant Secretary of the Navy, Research, Development & Acquisition (ASN-RDA) directed task to fund the Navy's OA Enterprise effort from this core OA. Budget line (policy statement dated 5 August 2004). The strategy was further refined in the Deputy Chief of Naval Operations (DCNO) requirement of 23 December 2005 (N6/7) with guidance for this effort to assist the Milestone Decision Authority (MDA), program managers, and resource sponsors in assessing enterprise program assets where appropriate. Office of the Chief of Naval Operations (OPNAV) has directed this program to provide objective, measurable, performance based assessments as Business Case Analysis (BCA) baselines for future system changes and spiral developments.											
E. Performance Metrics											
Change Naval Processes and business practices to cost-effectively innovate and deploy improved warfighting capability based on fleet requirements. Provide OA Systems Engineering to field common, interoperable capabilities; Change Navy and Marine Corps Business Cultures to Institutionalize OA Principles.											

**UNCLASSIFIED**

Exhibit R-3, RDT&E Project Cost Analysis: PB 2013 Navy										DATE: February 2012			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 4: Advanced Component Development & Prototypes (ACD&P)				R-1 ITEM NOMENCLATURE PE 0603382N: Advanced Combat Systems Tech				PROJECT 0324: Adv Combat System Technology					
Product Development (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
SE/OA Domain Support	C/FP	APL:Baltimore, MD	0.725	-		-		-		-	0.000	0.725	Continuing
Systems Engineering	WR	NSWC / Dahlgren:Dahlgren, VA	12.658	0.300	Jan 2012	0.695	Oct 2012	-		0.695	Continuing	Continuing	Continuing
Systems Engineering	WR	NSWC/CRANE, Carderock, DISA:VARIOUS	2.062	0.300	Feb 2012	0.060	Oct 2012	-		0.060	0.000	2.422	Continuing
Systems Engineering	C/CPAF	ASSETT; Lockheed Martin, NJ; Gartner, VA:Washington DC	4.859	0.261	Feb 2012	-		-		-	0.000	5.120	Continuing
OA DOMAIN SUPPORT	WR	NUWC/Newport, Spawar, Navair:VARIOUS	11.931	-		-		-		-	0.000	11.931	Continuing
SE/Signal Processor	C/CPAF	Lockheed Martin:VARIOUS	6.000	-		-		-		-	0.000	6.000	Continuing
SE/Signal Processor	C/CPAF	BAE:VARIOUS	0.300	-		-		-		-	0.000	0.300	Continuing
SE/Signal Processor	C/CPAF	Raytheon:VARIOUS	0.100	-		-		-		-	0.000	0.100	Continuing
SE/Signal Processor	WR	NSWC/DD, NRL, PHD:VARIOUS	0.600	-		-		-		-	0.000	0.600	Continuing
Subtotal			39.235	0.861		0.755		-		0.755			
Support (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Industry Development	C/FP	IBM, ANGLE:VARIOUS	8.856	0.557	Feb 2012	0.300	Nov 2012	-		0.300	0.000	9.713	Continuing
Technical Data-Academia	WR	NPS-Monterey/ DAU:MONTEREY, CA	1.876	-		-		-		-	0.000	1.876	Continuing
Software Development	C/FP	MITRE, SEI, Trident, ASSETT:VARIOUS	0.309	-		0.451	Nov 2012	-		0.451	0.000	0.760	Continuing
Subtotal			11.041	0.557		0.751		-		0.751	0.000	12.349	



**UNCLASSIFIED**

<b>Exhibit R-3, RDT&amp;E Project Cost Analysis:</b> PB 2013 Navy											<b>DATE:</b> February 2012			
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>				<b>R-1 ITEM NOMENCLATURE</b> PE 0603382N: <i>Advanced Combat Systems Tech</i>				<b>PROJECT</b> 0324: <i>Adv Combat System Technology</i>						

  

<b>Test and Evaluation (\$ in Millions)</b>				<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Total Prior Years Cost</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
Operational Test & Evaluation	WR	NSWC/DD:DAHLGREN, VA	2.216	-		-		-		-	0.000	2.216	Continuing
OA Asset Repository (SBIR Account)	WR	Miscellaneous:VARIOUS	0.150	-		-		-		-	0.000	0.150	Continuing
<b>Subtotal</b>			2.366	-		-		-		-	0.000	2.366	

  

<b>Management Services (\$ in Millions)</b>				<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Total Prior Years Cost</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
Program Management Support	C/CPAF	Miscellaneous:VARIOUS	3.021	-		-		-		-	Continuing	Continuing	Continuing
SBIR Assessment (Cong Add)	WR	NSWC/DD:DAHLGREN, VA	4.748	-		-		-		-	0.000	4.748	Continuing
DAWDF	TBD	TBD:TBD	0.021	-		-		-		-	0.000	0.021	Continuing
<b>Subtotal</b>			7.790	-		-		-		-			

  

			<b>Total Prior Years Cost</b>	<b>FY 2012</b>		<b>FY 2013 Base</b>		<b>FY 2013 OCO</b>		<b>FY 2013 Total</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
<b>Project Cost Totals</b>			60.432	1.418		1.506		-		1.506			

  

<b>Remarks</b>

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2013 Navy		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY	R-1 ITEM NOMENCLATURE	PROJECT
1319: Research, Development, Test & Evaluation, Navy	PE 0603382N: Advanced Combat Systems	0324: Adv Combat System Technology
BA 4: Advanced Component Development & Prototypes (ACD&P)	Tech	

**UNCLASSIFIED**

<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2013 Navy			<b>DATE:</b> February 2012
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0603382N: <i>Advanced Combat Systems Tech</i>	<b>PROJECT</b> 0324: <i>Adv Combat System Technology</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b><i>Proj 0324</i></b>				
Incorporate OA Principles in Acquisition Strategies and Contracts	1	2011	3	2017
Change Culture through OA Education, Outreach and Training	1	2011	4	2017
Conduct Program Assessments	2	2011	2	2017
Adapt ONR Technologies	1	2011	3	2017
Publish Contract Guidebook Update	3	2012	3	2016
Host Contracting/Industry Symposium	4	2011	4	2017
Deliver Report to Congress	1	2011	4	2017
Host OA Lead Council Meeting	1	2011	4	2017