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Exhibit R-2, RDT&E Budget Item Justification: PB 2014 Navy	DATE: April 2013
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APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 6: <i>RDT&E Management Support</i>	R-1 ITEM NOMENCLATURE PE 0605863N: <i>RDT&E Ship & Aircraft Support</i>
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COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 [#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
Total Program Element	0.000	134.087	144.033	141.778	-	141.778	158.167	104.539	101.612	103.869	Continuing	Continuing
0568: <i>RDT&E Acft Flt Hours</i>	0.000	35.457	37.215	34.271	-	34.271	35.075	35.095	35.895	36.458	Continuing	Continuing
0569: <i>RDT&E Acft Supt</i>	0.000	40.010	38.044	36.157	-	36.157	36.938	37.319	38.189	38.786	Continuing	Continuing
2924: <i>SDTS</i>	0.000	21.232	8.277	8.332	-	8.332	8.801	8.736	8.456	8.557	Continuing	Continuing
3206: <i>T&E Enterprise</i>	0.000	37.388	60.497	63.018	-	63.018	77.353	23.389	19.072	20.068	Continuing	Continuing

[#] FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

^{##} The FY 2014 OCO Request will be submitted at a later date

A. Mission Description and Budget Item Justification

This continuing program provides support for ships and aircraft required to accommodate Research, Development, Test and Evaluation (RDT&E) of new systems. The RDT&E ship and aircraft inventory is required to adequately test new and improved weapon systems, stay current with threats, and increase warfighting capability of the fleet. The program provides integrated logistics support for aircraft at selected field activities; provides depot-level rework of aircraft, engines, and components for the Navy inventory of RDT&E aircraft; and provides support for ships and aircraft bailed to contractors for Navy RDT&E projects. Costs covered under this element include aircrew training and proficiency, fuel, supplies, equipment, repair, Aviation Depot Level Repairables, overhaul of ships and aircraft, as well as organizational, intermediate, and depot maintenance of ships and aircraft in the Navy RDT&E inventory.

JUSTIFICATION FOR BUDGET ACTIVITY: This program is funded under RESEARCH, DEVELOPMENT, TEST and EVALUATION MANAGEMENT SUPPORT because it supports efforts directed toward sustaining or modernizing installations or operations required for general research, development, test and evaluation.

UNCLASSIFIED

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APPROPRIATION/BUDGET ACTIVITY		R-1 ITEM NOMENCLATURE			
1319: Research, Development, Test & Evaluation, Navy		PE 0605863N: RDT&E Ship & Aircraft Support			
BA 6: RDT&E Management Support					
B. Program Change Summary (\$ in Millions)	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total
Previous President's Budget	136.531	144.033	151.577	-	151.577
Current President's Budget	134.087	144.033	141.778	-	141.778
Total Adjustments	-2.444	0.000	-9.799	-	-9.799
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-0.553	0.000			
• SBIR/STTR Transfer	-1.891	0.000			
• Program Adjustments	0.000	0.000	1.297	-	1.297
• Rate/Misc Adjustments	0.000	0.000	-11.096	-	-11.096
Change Summary Explanation					
Technical: Not applicable.					
Schedule: Not applicable.					

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy										DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 6: <i>RDT&E Management Support</i>					R-1 ITEM NOMENCLATURE PE 0605863N: <i>RDT&E Ship & Aircraft Support</i>				PROJECT 0568: <i>RDT&E Acft Flt Hours</i>			
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013[#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
0568: <i>RDT&E Acft Flt Hours</i>	0.000	35.457	37.215	34.271	-	34.271	35.075	35.095	35.895	36.458	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0		0	0	0	0	0		
[#] FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012 ^{##} The FY 2014 OCO Request will be submitted at a later date												
A. Mission Description and Budget Item Justification												
Research, Development, Test and Evaluation (RDT&E) Aircraft Flight Hours. This non-acquisition project supports direct flight hour costs, including organizational and intermediate level maintenance, as well as associated consumables, including petroleum, oil, and lubricants. These flight hours are used for post-maintenance test flights, aircrew training, and the accomplishment of pilot proficiency requirements (approximately 3 hours per pilot per month), in support of Research and Development programs at four Naval Air Systems Command/Naval Surface Warfare Center/Office of Naval Research flight activities.												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)										FY 2012	FY 2013	FY 2014
Title: RDT&E Acft Flt Hours Articles:										35.457	37.215	34.271
										0	0	0
FY 2012 Accomplishments: Continue to provide planned organizational and intermediate-level maintenance, supply and petroleum, oil and lubricants in support of RDT&E aircraft operations.												
FY 2013 Plans: Continue to provide planned organizational and intermediate-level maintenance, supply and petroleum, oil and lubricants in support of RDT&E aircraft operations.												
FY 2014 Plans: Continue to provide planned organizational and intermediate-level maintenance, supply and petroleum, oil and lubricants in support of RDT&E aircraft operations.												
Accomplishments/Planned Programs Subtotals										35.457	37.215	34.271
C. Other Program Funding Summary (\$ in Millions)												
N/A												
Remarks												

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy		DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 6: <i>RDT&E Management Support</i>	R-1 ITEM NOMENCLATURE PE 0605863N: <i>RDT&E Ship & Aircraft Support</i>	PROJECT 0568: <i>RDT&E Acft Flt Hours</i>
D. Acquisition Strategy Not Applicable		
E. Performance Metrics This Research, Development, Test and Evaluation (RDT&E) Aircraft program supports approximately 3 hours per pilot per month of post-maintenance test flights, aircrew training and the accomplishment of pilot proficiency requirements.		

UNCLASSIFIED

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APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 6: RDT&E Management Support					R-1 ITEM NOMENCLATURE PE 0605863N: RDT&E Ship & Aircraft Support				PROJECT 0569: RDT&E Acft Supt			
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 [#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
0569: RDT&E Acft Supt	0.000	40.010	38.044	36.157	-	36.157	36.938	37.319	38.189	38.786	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0		0	0	0	0	0		
# FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012												
## The FY 2014 OCO Request will be submitted at a later date												
A. Mission Description and Budget Item Justification												
Research, Development, Test and Evaluation (RDT&E) Aircraft Support. This continuing project funds costs associated with RDT&E fixed and rotary wing aircraft which accommodate test and evaluation of aircraft/weapon systems. Testing aboard these platforms reduces the number of fleet units required to support RDT&E efforts. Included in these costs are Aviation Depot-Level Repairables (AVDLR), which are spare and replacement aircraft parts and components to support overhead maintenance related flight operations, aircrew training, and proficiency flight hours. This project also funds airframe Standard Depot Level Maintenance (SDLM), the Integrated Maintenance Concept (IMC) and Phased Depot Maintenance (PDM), in-service repairs, emergency repairs, and engine repairs, as well as aircraft material condition and field inspections. Additionally, it funds Individual Material Readiness List (IMRL) tools and support equipment, and other systems for application to and compatibility with RDT&E requirements.												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)										FY 2012	FY 2013	FY 2014
Title: Aircraft/Engine Maintenance and AVDLR/IMRL Support										38.376	36.375	34.487
										Articles: 0	0	0
FY 2012 Accomplishments: Continue planned transition from Aircraft Structural Periodic Adjustment (ASPA)/SDLM to the IMC/PDM program for depot maintenance requirements, while sustaining the following programs: AVDLR/IMRL, engine repairs, support of aircraft in the RDT&E inventory. Continue operation and implementation of maintenance and material management programs at Naval Air Warfare Center activities.												
FY 2013 Plans: Continue planned transition from ASPA/SDLM to the IMC/PDM program for depot maintenance requirements, while sustaining the following programs: AVDLR/IMRL, engine repairs, support of aircraft in the RDT&E inventory. Continue operation and implementation of maintenance and material management programs at Naval Air Warfare Center activities.												
FY 2014 Plans:												

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy		DATE: April 2013	
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 6: <i>RDT&E Management Support</i>		R-1 ITEM NOMENCLATURE PE 0605863N: <i>RDT&E Ship & Aircraft Support</i>	PROJECT 0569: <i>RDT&E Acft Supt</i>
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2012	FY 2013
Continue planned transition from ASPA/SDLM to the IMC/PDM program for depot maintenance requirements, while sustaining the following programs: AVDLR/IMRL, engine repairs, support of aircraft in the RDT&E inventory. Continue operation and implementation of maintenance and material management programs at Naval Air Warfare Center activities.			
Title: In-Service Repairs		1.634	1.669
Articles:		0	0
FY 2012 Accomplishments: Continue to provide planned In-Service Repair funds for emergent repair requirements to aircraft performing mission critical test and evaluation projects.			
FY 2013 Plans: Continue to provide planned In-Service Repair funds for emergent repair requirements to aircraft performing mission critical test and evaluation projects.			
FY 2014 Plans: Continue to provide planned In-Service Repair funds for emergent repair requirements to aircraft performing mission critical test and evaluation projects.			
Accomplishments/Planned Programs Subtotals		40.010	38.044
C. Other Program Funding Summary (\$ in Millions)			
N/A			
Remarks			
D. Acquisition Strategy			
N/A			
E. Performance Metrics			
The Research, Development, Test & Evaluation (RDT&E) Aircraft Support program goal is to provide the required funds to meet NAVAIR Aircraft Controlling Custodian aircraft sustainment requirements. These sustainment costs include providing annual support for required Planned Depot Maintenance events, In-service Repairs (P&E, Repairs, Mods), Depot Engine Inductions, Individual Material Readiness List Repairs, along with the funding of management oversight of the aircraft and the Aviation Depot Level Repairable costs associated with pilot readiness requirements.			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy									DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 6: RDT&E Management Support					R-1 ITEM NOMENCLATURE PE 0605863N: RDT&E Ship & Aircraft Support				PROJECT 2924: SDTS			
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 [#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
2924: SDTS	0.000	21.232	8.277	8.332	-	8.332	8.801	8.736	8.456	8.557	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0		0	0	0	0	0		
# FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012												
## The FY 2014 OCO Request will be submitted at a later date												
A. Mission Description and Budget Item Justification												
This project provides for the maintenance of Hull Mechanical and Electrical (HM&E) and installed Combat Systems of the Self-Defense Test Ship (SDTS) in support of the Navy Research, Development, Test and Evaluation (RDT&E) of ship self-defense systems. Testing aboard this ship reduces the number of fleet units required to support RDT&E efforts.												
SDTS provides the capability to safely test self-defense weapon systems within their minimum range. A major cost of this project is regularly scheduled ship, combat system and remote control maintenance. The remainder of the funds is used for purchase of expendable supplies and routine equipment, fuel and petroleum products, and repairs and supporting services. Most costs are fixed and are associated with simply having this platform in the inventory.												
This project will no longer provide for the maintenance installed Combat Systems of the SDTS (FY14 forward), funding has been moved to the 3206 line.												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2012	FY 2013	FY 2014	
Title: SDTS Articles:									21.232	8.277	8.332	
									0	0	0	
FY 2012 Accomplishments: NSWC PHD continued to conduct planning, scheduling and performing routine HM&E, combat systems and remote control systems maintenance on the SDTS to provide the Navy a safe operational test asset. Conducted a dry dock availability.												
FY 2013 Plans: NSWC PHD continue to conduct planning, scheduling and performing routine HM&E, combat systems and remote control systems maintenance on the SDTS to provide the Navy a safe operational test asset.												
FY 2014 Plans: NSWC PHD continue to conduct planning, scheduling and performing routine HM&E and remote control systems maintenance on the SDTS to provide the Navy a safe operational test asset.												
Accomplishments/Planned Programs Subtotals									21.232	8.277	8.332	

UNCLASSIFIED

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APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 6: <i>RDT&E Management Support</i>	R-1 ITEM NOMENCLATURE PE 0605863N: <i>RDT&E Ship & Aircraft Support</i>	PROJECT 2924: <i>SDTS</i>
C. Other Program Funding Summary (\$ in Millions) N/A		
Remarks		
D. Acquisition Strategy This line of accounting is for recurring HM&E and ship maintenance.		
E. Performance Metrics Successfully remain safe, operational and available for testing and evaluation of systems. Successfully develop applicable operation and maintenance documentation and reporting of installations. Successfully timely report funding, schedule and technical delays, and issues in an unmanned, remotely controlled mode, if necessary affecting its availability status.		

UNCLASSIFIED

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APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 6: RDT&E Management Support					R-1 ITEM NOMENCLATURE PE 0605863N: RDT&E Ship & Aircraft Support				PROJECT 3206: T&E Enterprise			
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 [#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
3206: T&E Enterprise	0.000	37.388	60.497	63.018	-	63.018	77.353	23.389	19.072	20.068	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0		0	0	0	0	0		
# FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012												
## The FY 2014 OCO Request will be submitted at a later date												
A. Mission Description and Budget Item Justification												
The T&E Enterprise consolidates all Air Warfare (AW) Ship Self Defense (SSD) at-sea testing across multiple class ships, beginning with CVN 74, LHD 8, LPD17, LSD 41/49, LHA 6, DDG 1000, CVN 78, and Littoral Combat Ship (LCS). This consolidated AW SSD test and evaluation approach meets the Probability of Raid Annihilation (PRA) (PRA is defined as a required surface ship defense against Anti-Ship Cruise Missiles), Self Defense Test Ship (SDTS) testing requirements as outlined in Air Warfare Ship Self Defense Enterprise TEMP 1714, and lead/operational ship testing requirements for ESSM TEMP 1471, RAM Blk 2 TEMP 286-1, DDG 1000 TEMP 1560, CVN 78 TEMP 1610, CEC TEMP 1415, SSDS TEMP 1400, LHA 6 TEMP 1697, AN/SPQ-9B TEMP 1463, SEWIP TEMP 1658 (Block 1A), 0686, and LCS TEMP 1695.												
LHA 6 acquisition, installation and testing supports all big deck Amphibs and Carriers in the OA configuration as well as RAM BLK 2 OPEVAL, SSDS OA with RAM BLK 2, First non AEGIS SEWIP and ESSM.												
This project provides for the maintenance installed Combat Systems of the SDTS (FY14 forward).												
The T&E Enterprise merges common ship, element, and system requirements into the least number of test events while leveraging planned Combat System Ship Qualification Trials (CSSQTs) to accomplish Developmental Testing (DT) and Operational Testing (OT) requirements. All tests on the SDTS require the sharing of infrastructure, missile range allocations, execution time and underway time to eliminate duplicative testing.												
T&E Enterprise preserves end-to-end mission Operational Testing in a realistic operational environment, capitalizing on Probability of Raid Annihilation M&S data validated with results of that Operational Testing, and ensuring a consistent approach across ship classes. Applicability of all test events is beneficial across multiple ship classes with the same variation under test.												
The T&E Enterprise acquires equipment (FY12-14) for installation onboard the SDTS (FY12-15), conducts test and evaluation on the SDTS and lead/operational ships (FY12-18) and satisfies the Probability of Raid Annihilation (PRA) Testbed Model Development and test execution requirements (FY12-18).												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2012	FY 2013	FY 2014	
Title: T&E Enterprise									37.388	60.497	63.018	
									Articles: 0	0	0	

UNCLASSIFIED

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APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 6: <i>RDT&E Management Support</i>		R-1 ITEM NOMENCLATURE PE 0605863N: <i>RDT&E Ship & Aircraft Support</i>	PROJECT 3206: <i>T&E Enterprise</i>
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2012	FY 2013
<i>FY 2012 Accomplishments:</i> The Enterprise conducted ET-03 on the SDTS in the October - November 2011. Results from the event spawned a failure review board (FRB) to examine system of system (SoS) observations from the test. As a result of the FRB, ET-05 which had been planned for Q4FY12 - Q1FY13 has been split into two test periods (Q4FY12-Q1FY13 and Q4FY13-Q1FY14). The Enterprise planned on the SDTS entering dry dock availability in August 2011 but due to contacting delays and a protest of the eventual award, the SDTS did not enter the shipyard until January 2012. Upon completion of dry dock which is now scheduled for August 2013, the SDTS will participate in ET-05. The PRA testbed completed DT 6 and DT 6.5 adding new and newly matured software capability to the federate. <i>FY 2013 Plans:</i> The Enterprise plans on completing the second portion of ET-05 Q4FY13-Q3FY14. The Enterprise plans on receiving DDG-1000 CS elements and commence CVN-78 integration testing at SCSC Wallops Island. The Enterprise plans on receiving the SeaRAM launcher system and installing that system on the SDTS. The PRA Testbed plans on conducting a Critical Design Review (CDR) for the DDG-1000 runs in the PRA Testbed. The PRA testbed will conduct a DT 7 and DT 7.5 adding new and newly matured software capability to the federate. <i>FY 2014 Plans:</i> The Enterprise plans on acquiring the LCS(A) air search RADAR along with test equipment, spare parts and INCO services from the OEM. The Enterprise plans on acquiring all remaining LCS combat systems elements in FY15 in order to install on SDTS in FY15/16 and test on SDTS in FY16. The Enterprise plans on the acquisition of CVN-78 combat systems elements. The Enterprise plans on completing installation of CS element for the DDG-1000 on the SDTS. The Enterprise plans on continuing SDTS test event for the LHA-6 class ET03/05 which commenced in FY13. The Enterprise was recently notified of a delay in the delivery of the Multi Stage Separating Target (MSST) from PMA208. The MSST events are planned to be moved to FY17.			

UNCLASSIFIED

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APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 6: <i>RDT&E Management Support</i>		R-1 ITEM NOMENCLATURE PE 0605863N: <i>RDT&E Ship & Aircraft Support</i>	PROJECT 3206: <i>T&E Enterprise</i>
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2012	FY 2013
The Enterprise plans on conducting DT8 and DT 8.5 for the PRA Testbed to support OT ET15 for LHA 6 OT, OT ET-17B LCS (B), OT ET18 for LSD 41/49, and OT ET 19 for CVN 78 adding new and newly matured software capability to the federate. DT 8 will include updates on the SPQ-9B TUP, SPS-48E, SPS-49A, CEC, SSDS, RAM Blk 1A, RAM Blk 2, MK57/ESSM, CIWS, SLQ-32B(V)2, Decoys (Nulka, Chaff, Giant), SeaRAM, threats, and virtual range models.			
Accomplishments/Planned Programs Subtotals		37.388	60.497
C. Other Program Funding Summary (\$ in Millions) N/A			
Remarks			
D. Acquisition Strategy Acquire CS elements for Enterprise Ship Classes. Acquire LCS CS elements in FY14 and FY15 and CVN-78 CS elements in FY15. Acquisition of systems is tailored to each ship class with benefits across multiple classes with similar CS elements.			
E. Performance Metrics Successfully complete required documentation and reporting for Enterprise installations and required check out and testing of installations. Successfully complete all Enterprise Operational Test Readiness Reviews (OTRR). Successfully complete required Enterprise developmental testing/operational testing DT/OT testing and combat system ship qualification trials (CSSQT) related tests with 0 casualty delays. Successfully collect related test result data and distribute accordingly.			