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Exhibit R-2, RDT&E Budget Item Justification: PB 2014 Navy											DATE: April 2013	
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: System Development & Demonstration (SDD)					R-1 ITEM NOMENCLATURE PE 0604366N: Standard Missile Improvements							
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	2,022.912	55.546	63.891	75.592	-	75.592	80.042	31.159	20.002	20.355	Continuing	Continuing
0439: Standard Missile Improvement	1,050.958	16.918	24.579	26.716	-	26.716	17.774	21.844	16.165	16.448	Continuing	Continuing
3092: Standard Missile 6 Program	971.954	38.628	39.312	48.876	-	48.876	62.268	9.315	3.837	3.907	Continuing	Continuing
MDAP/MAIS Code(s): 197,391												
[#] 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												
Standard Missile (SM) is the Navy's premier Anti-Air Warfare (AAW) missile, providing both area air defense for the fleet and self defense for individual AEGIS CGs and DDGs, as required by the Joint Theater Air Missile Defense (TAMD), Mission Need Statement (MNS), Defense Planning Guidance (DPG), Quadrennial Defense Review (QDR), and Ship Class AAW Self Defense Capstone Requirements Document. Agility, fuzing, and computer modifications to SM are in development to restore performance in the near term against a specific existing proliferating Anti-Ship Cruise Missile (ASCM) threat. Continuous analysis of missile capabilities vs. ever-evolving and proliferating aircraft and ASCM threats and long-range planning are required to keep pace with the threat.												
In FY04, the Standard Missile 6 (SM-6) program was started to develop an advanced surface missile system with an active seeker and an extended range. The SM-6 missile system will leverage the Navy investment in the AEGIS Weapon System (AWS), Cooperative Engagement Capability (CEC), and airborne early warning systems, which will be upgraded in concert with missile development to support a fully integrated extended range detect-to-engage naval and joint integrated fire control capability. SM-6 is the enabler for Integrated Fire Control (IFC). Funding to support those upgrades are also included in this line. SM-6 has completed the ground based and at-sea DT flight test phase of the System Development & Demonstration (SDD) effort. SDD at-sea OT phase completed July 2011. Together, this family of systems will provide the air superiority and the umbrella of protection against the full spectrum of projected future cruise missile (anti-ship and land attack) and manned aircraft threats discussed in the Joint TAMD MNS, DPG, QDR, IAMD Roadmap, IAMD Joint Integrating Concept, AIAMD Joint Operating Concept and TAMD Capstone Requirements Document.												

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B. Program Change Summary (\$ in Millions)	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total
Previous President's Budget	46.705	63.891	57.660	-	57.660
Current President's Budget	55.546	63.891	75.592	-	75.592
Total Adjustments	8.841	0.000	17.932	-	17.932
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	10.000	0.000			
• SBIR/STTR Transfer	-1.159	0.000			
• Program Adjustments	0.000	0.000	-2.082	-	-2.082
• Rate/Misc Adjustments	0.000	0.000	20.014	-	20.014

Change Summary Explanation

Technical: Program funding increased in FY14 and FY15 to execute and support demonstration(s). Program funding increased in FY 12 to complete supplemental testing to verify correction of deficiencies for the F & J antenna seen during FY 11 operational testing. This funding is also to complete the Ballistic Barrier program.

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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
0439: Standard Missile Improvement	1,050.958	16.918	24.579	26.716	-	26.716	17.774	21.844	16.165	16.448	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												
Modifications to SM-2 BLK IIIA are required for use on DDG-1000 class destroyers. The Joint Universal Waveform Link (JUWL) will be integrated with the Evolved Seasparrow Missile (ESSM) and Standard Missile to communicate with the DDG-1000 SPY-3 radar. SM-2 missile software will be updated with interrupted continuous wave illumination (ICWI) in order to allow operation with DDG-1000.												
Missile integration with AMDR-S radar for DDG 51 Flight III ships will include requirements review/updates and analysis, verification; technical documentation, design review and working group SME support, missile/radar integration, missile test hardware procurement, risk assessment, safety, test and evaluation planning, analysis, data collection. Deliverables include interface specs and engineering documents to support AMDR PDRs HW&SW (FY13) and CDRs HW&SW (FY14); EDM testing (FY15), interface specs and engineering documents to support AMDR/ACBNext for DDG 51 Flight III E3 Testing, Analysis and Reports. Missile variants: ESSM Block I; SM-2 Blk IIIB MU2, SM-6 Block I (Current Aegis Configuration)												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2012	FY 2013	FY 2014	
Title: DDG-1000 Pre Plan Product Improvement (P3I)Link Integration/ICWI									16.918	19.945	12.706	
									0	0	0	
FY 2012 Accomplishments:												
Completed ESSM Critical Design Review in April 2012; Procured and assembled ESSM Production Representative Model (PRM) modules and conducted associated qualification testing; Procured SM-2 Plate 3 Proof of Design (POD) hardware and integrated modules into a functional transceiver; Conducted SM-2 Plate 3 X-band transmitter (only) design verification testing (DVT); Began SM-2 software integration with hardware.												
FY 2013 Plans:												
Conduct ESSM PRM qualification testing and EMI/E3 testing; Conduct SM-2 POD Plate 3 DVT; Complete SM-2 JUWL Preliminary Design Review in May 2013; Procure and assemble SM-2 Production Representative Model (PRM) modules and conduct associated qualification testing.												
FY 2014 Plans:												

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APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>System Development & Demonstration (SDD)</i>		R-1 ITEM NOMENCLATURE PE 0604366N: <i>Standard Missile Improvements</i>	PROJECT 0439: <i>Standard Missile Improvement</i>
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2012	FY 2013
Deliver ESSM inert operational missile (IOM) to DDG 1000 and begin ship interface checkout and integration testing; Conduct SM-2 Plate 3 qualification testing; Hold SM-2 JUWL Critical Design Review in May 2014; Assemble/integrate SM-2 modules and software into a functional missile guidance section.			
Title: DDG 1000 Rephase FY 2013 Plans: Procure test round modification kits to upgrade Block IIAs to Zumwalt IIAs, test, and deliver Zumwalt IIIA rounds (including canisters) for developmental testing (DT).		0.000	2.799 0
Title: Air and Missile Defense Radar (AMDR)Integration FY 2013 Plans: AMDR Spec requirements review; conduct analysis required for requirements margin within current missile ICDs; Support AMDR Prime design review Technical Interchange Meetings; Engineering studies as required. FY 2014 Plans: Hardware (IOM/Spare parts) procurement - 1 IOM per missile variant; Design review participation with Radar Prime Contractor, facilitate design that complies with existing interfaces (including NIFC-CA); Analysis to include examination of new radar in natural and threat RF environments; performance analysis; Model updates.		0.000	1.835 0
Accomplishments/Planned Programs Subtotals		16.918	24.579
C. Other Program Funding Summary (\$ in Millions)			
N/A			
Remarks			
D. Acquisition Strategy			
Production representative missiles will be built for ESSM between FY12 and 14 and for SM-2 FY14 and FY17.			
Engineering and Integration Testing for ESSM in FY14- FY15 and SM-2 in FY15. 67 ESSM missiles and 34 SM missiles are required to support Developmental Test & Operational Test (DT & OT) FY16-FY17 and continue follow-on ship integration and design update effort in FY18.			
This budget reflects the procurement of the initial SM Flight Test Rounds (FTRs) in FY 13. Follow-on SM/ESSM FTRs, missile integration and test efforts and ship fill records are not funded within this budget. The 67 ESSM missiles are to be funded by PMS 500.			

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<p>SM Development, integration, and test is expected to conclude by FY17 for the X-band JUWL and ICWL.</p> <p>E. Performance Metrics</p> <p>ESSM initial engineering design for X-Band JUWL capability was completed and Engineering Development Models (EDMs) were built and tested.</p> <p>ESSM ordered material/parts and assembled Proof of Design units. Design Verification Tests are complete (FY 12).</p> <p>ESSM conducted its Critical Design Review in April 2012 (FY 12).</p> <p>SM-2 PDR for JUWL is planned for third quarter FY13.</p> <p>SM-2 integration testing and datalink qualification for JUWL testing is planned for FY14.</p>		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Navy												DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY						R-1 ITEM NOMENCLATURE				PROJECT					
1319: Research, Development, Test & Evaluation, Navy BA 5: System Development & Demonstration (SDD)						PE 0604366N: Standard Missile Improvements				0439: Standard Missile Improvement					
Product Development (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Design and Analysis1	SS/CPAF	RAYTHEON:Tucson, AZ	220.476	14.510	Feb 2012	21.644	Nov 2012	24.231	Nov 2013	-		24.231	Continuing	Continuing	Continuing
Design and Analysis2	C/CPFF	JHU/APL:Laurel, MD	3.750	0.951	Mar 2012	1.500	Nov 2012	1.500	Nov 2013	-		1.500	0.000	7.701	
Design and Analysis3	MIPR	MIT/Lin Lab:Lexington, MA	0.050	0.000		0.000		0.000		-		0.000	0.000	0.050	
Design and Analysis4	WR	NSWC:Dahlgren	787.314	0.670	Apr 2012	0.340	Nov 2012	0.320	Nov 2013	-		0.320	0.000	788.644	
Design and Analysis5	WR	NSWC:Indian Head	0.940	0.000		0.000		0.000		-		0.000	0.000	0.940	
Design and Analysis6	WR	NAWC:China Lake	3.030	0.150	Jan 2012	0.480	Nov 2012	0.570	Nov 2013	-		0.570	0.000	4.230	
Design and Analysis7	Various	LOCKHEED MARTIN:Moorestown, NJ	17.775	0.000		0.000		0.000		-		0.000	0.000	17.775	
Design and Analysis8	WR	CNO:Washington, DC	0.010	0.000		0.000		0.000		-		0.000	0.000	0.010	
Design and Analysis9	WR	CMDP:Phoenix, AZ	4.795	0.000		0.000		0.000		-		0.000	0.000	4.795	
Design and Analysis11	WR	NSWC:Crane	0.257	0.000		0.000		0.000		-		0.000	0.000	0.257	
Design and Analysis12	WR	DOI&CNAP:Washington, DC	0.487	0.000		0.000		0.000		-		0.000	0.000	0.487	
Design and Analysis13	WR	COMPTEVFOR:Norfolk, VA	0.100	0.000		0.000		0.000		-		0.000	0.000	0.100	
Design and Analysis14	C/CPFF	LOCKHEED MARTIN:Moorestown, NJ	2.000	0.000		0.000		0.000		-		0.000	0.000	2.000	
Design and Analysis15	WR	CARDEROCK:Bethesda, MD	0.050	0.000		0.000		0.000		-		0.000	0.000	0.050	
Design and Analysis16	WR	NWAS:Corona	0.325	0.000		0.000		0.000		-		0.000	0.000	0.325	
Design and Analysis17	C/CPFF	CORVID:Mooreville, NC	0.100	0.000		0.000		0.000		-		0.000	0.000	0.100	
Design and Analysis18	C/CPFF	BAE:Rockville, MD	0.101	0.000		0.040	Nov 2012	0.030	Nov 2013	-		0.030	0.000	0.171	
Design and Analysis19	MIPR	MDA:Dahlgren,VA	1.257	0.000		0.000		0.000		-		0.000	0.000	1.257	
Design and Analysis20	WR	IWS3D:ARLINGTON, VA	1.000	0.000		0.500	Nov 2012	0.000		-		0.000	0.000	1.500	

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Product Development (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Subtotal			1,043.817	16.281		24.504		26.651		0.000		26.651			
Test and Evaluation (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
DEVELOPMENTAL TEST & EVALUATION1	WR	NSWC:Port Hueneme	0.185	0.000		0.000		0.000		-		0.000	0.000	0.185	
DEVELOPMENTAL TEST & EVALUATION2	WR	WSMR:New Mexico	1.600	0.000		0.000		0.000		-		0.000	0.000	1.600	
DEVELOPMENTAL TEST & EVALUATION3	WR	NAWC:Pt Mugu	0.098	0.000		0.000		0.000		-		0.000	0.000	0.098	
DEVELOPMENTAL TEST & EVALUATION4	WR	PMRF:Hawaii	0.338	0.000		0.000		0.000		-		0.000	0.000	0.338	
DEVELOPMENTAL TEST & EVALUATION5	WR	NSWC:PHD/Techrep	0.567	0.000		0.000		0.000		-		0.000	0.000	0.567	
Subtotal			2.788	0.000		0.000		0.000		0.000		0.000	0.000	2.788	
Management Services (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
CONTRACTOR ENGINEERING SUPPORT	C/CPAF	VARIOUS:VARIOUS	1.993	0.637	Jun 2012	0.000		0.000		-		0.000	0.000	2.630	
PROGRAM MANAGEMENT SUPPORT	C/CPAF	VARIOUS:VARIOUS	2.294	0.000		0.000		0.000		-		0.000	0.000	2.294	
TRAVEL	Allot	IWS3:Arlington, VA	0.066	0.000		0.075	Nov 2012	0.065	Nov 2013	-		0.065	0.000	0.206	
Subtotal			4.353	0.637		0.075		0.065		0.000		0.065	0.000	5.130	

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	All Prior Years	FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total	Cost To Complete	Total Cost	Target Value of Contract	
Project Cost Totals	1,050.958	16.918		24.579		26.716		0.000		26.716				

Remarks

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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
3092: Standard Missile 6 Program	971.954	38.628	39.312	48.876	-	48.876	62.268	9.315	3.837	3.907	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 program leverages existing missile technology and advanced missile technology. It aligns missile technology roadmaps across the Services (NAVSEA, NAVAIR, USAF, USMC and USA) and missile variants within the Services, taking advantage of the Navy's investment in the AWS, CEC, and airborne early warning systems. This missile will provide an extended range engagement capability to provide the air superiority and the umbrella of protection for joint U.S. forces and allies against the full spectrum of manned-fixed and rotary-wing aircraft, unmanned aerial vehicles, and land attack and anti-ship cruise missiles in flight, thereby contributing to the continuous protection of forward deployed ground maneuver forces as well as theater rear assets as discussed in the Joint TAMD MNS, DPG, QDR, TAMD Capstone Requirements Document, Forward From the Sea, Joint Vision 2010/2020, the 2002/2003 Naval Transformational Roadmap and the Operational Requirements Document for SM-6 BLK 1.

This project addresses the Navy's requirement for an extended range area air defense missile with engage-on-remote and over-the-horizon capability as the enabler for USN and Joint integrated fire control. The SM-6 BLK 1 is the Navy's transformational enabler for the Sea Shield Operational Concept and enables the opportunity for Sea Basing and Sea Strike. This effort includes risk reduction, SDD design, insensitive munitions improvement, transition to production and operational test of the latest STANDARD Missile with the kinematic performance to defeat current and projected threats that possess low altitude, high altitude, and high velocity and maneuver characteristics at the max kinematic range of the missile. SM-6 completed OT flight test phase of the SDD effort.

The Joint Integrated Fire Enhancement funding is JROC directed for the demonstration of the Joint Land Attack Elevated Netted Sensor (JLENS) into the Naval Integrated Fire Control-Counter Air (NIFC-CA) kill chain; specifically, SM-6 integration with the JLENS and the AWS. The funding identified in this budget is part of an integrated funding package that also includes funding for PEO IWS 1.0, PEO IWS 6.0, PEO IWS 7.0 NAVAIR (PMA-231) and the Army's Cruise Missile Defense Systems JLENS Product Office. Additional funding is to support the integration, test, and analysis of the NIFC-CA test and evaluation strategy. Funds are also included for the transition of technology associated with the Missile Defense/Sea Shield Naval Interceptor Improvements (NII) Future Naval Capability (FNC) as formally signed in the NII Technology Transition Agreement (TTA) by PEO IWS 3.0, OPNAV N96, and the Office of Naval Research (PMR-51).

FTR 54 Reliability Assessment Round will be fired at WSMR in the 3rd quarter of 2013. Subsequent reliability assessment events are planned for 2014 and 2015 based on range availability. This analysis will also determine if there are any required modifications to the Aegis Combat system baseline 9 for future capability support.

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2012	FY 2013	FY 2014
Title: Joint Integrated Fire Enhancement Articles: Description: Joint Integrated Fire Enhancement FY 2012 Accomplishments: Supported Pair-wise testing between SM-6 and JLENS; conducted Captive Flight Test (CFT) with JLENS in Integrated Fire Control (IFC) Kill Chain; supported SM-6: 6 degrees of freedom (DoF) accreditation; conducted pre-flight analysis for JLENS IFC Live Fire Event and post-flight analysis for JLENS IFC Live Fire Event.		2.862 0	0.000	0.000
Title: SM 6 Missile Development/Improvement Articles: FY 2012 Accomplishments: Continued (ACB 12) and (CSEDS) integration and test; Continued Captive Carry Flight Test; Integrated Fire Control (IFC) integration and test; Completed analysis of OT-IIB. FY 2013 Plans: Support follow on test and evaluation (FOT&E); ACB 12 B/L 9 integration and flight test; and Processor Replacement Program (PRP) flight test and analysis.		16.396 0	9.620 0	0.000
Title: SM6/AWS & VLS Integration Articles: FY 2012 Accomplishments: AEGIS Weapons System and MK 41 Vertical Launch Integration of SM-6 IFC mode to ACB12.		1.624 0	0.000	0.000
Title: Insensitive Munitions (IM) Articles: FY 2013 Plans: Electronic Arm & Fire Device (EAFD) & Active Mitigation (AM) technology transition & integration into DPRM; develop 30 rocket motors (RM) of dual pulse configuration; prime contractor & subs integration & procurement support; develop & maintain systems safety program plan per WSESRB recommendation; and develop RM qualification test plan(s) and procedures. FY 2014 Plans: Safety Plans; POA&M Development; IM STRAT Plan Development; Threat Hazard Assessment Update.		0.000	15.300 0	4.114 0
Title: SM6 OT&E Support Articles:		7.746 0	0.000	0.000

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2012	FY 2013	FY 2014
FY 2012 Accomplishments: Completed activities related to SM-6 IOT&E (OT-IIB) testing and analysis. These activities include completing an interim OT report. They also include quartz lamp testing and wind tunnel testing.				
Title: Portable All-Up Round Bit Tester (PABTs) Articles:		0.000	7.000 0	5.000 0
FY 2013 Plans: Integrated Baseline Review (IBR); System Requirements review (SRR)/System Functional Review (SFR) and detailed design.				
FY 2014 Plans: Continue detailed design and development; Preliminary Design Review/Critical Design Review (PDR/CDR) and interface development.				
Title: Naval Integrated Fire Control - Counter Air (NIFC-CA) Articles:		0.000	7.392 0	5.762 0
FY 2013 Plans: Integration of SM-6 6-DOF (Degrees of freedom) with NIFC-CA federation, to include airborne sensor and execution of end-to-end simulation performance predictions; Execution of one land-based (WSMR) NIFC-CA live fire test and one at-sea Point Mugu Test Center (PMTTC) live fire test; Completion of NIFC-CA CONOPS.				
FY 2014 Plans: Execution of Live-Fire NIFC-CA tests at WSMR; Execution of three at-sea live fire NIFC-CA tests at PMTC; Capabilities and limitations and analysis based on federated 6-DOF and live fire test events.				
Title: Future Capability Demonstration Articles:		0.000	0.000	34.000 0
FY 2014 Plans: Execute demonstration events to include supporting data collections and performance analysis tasks.				
Title: FY 12 OMNIBUS (SM-6 Supplemental Testing) Articles:		10.000 0	0.000	0.000
FY 2012 Accomplishments: FY 12 Accomplishments - Wind Tunnel testing - Planning for flight test				

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)										FY 2012	FY 2013	FY 2014
- FTR Events												
Test Planned												
- Completed wind tunnel test reporting												
- Executed FTR 27 and 27A												
- Completing analysis and reporting of supplemental flight test events												
- Complete Ballistic Barrier Program												
Accomplishments/Planned Programs Subtotals										38.628	39.312	48.876
C. Other Program Funding Summary (\$ in Millions)												
Line Item	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	
• WPN 2234: Standard Missile	356.878	399.482	367.985		367.985	546.972	564.003	708.436	810.665	4,288.021	8,488.409	
• Standard Missile: QTY	89.000	94.000	81.000		81.000	125.000	127.000	160.000	174.000	861.000	1,800.000	
Remarks												
D. Acquisition Strategy												
SM-6 Acquisition Strategy signed by OSD AT&L 14 March 2012.												
E. Performance Metrics												
Accomplishments												
- DT Flight Tests at PMRF - Jan 11												
- OT TRR - May 11												
- OT Flight Tests at PMRF - Jul 11												
- LRIP III Option II Contract Award - Jul 11												
- LRIP IV UCA Contract Award - May 12												
- SM-6 SD&D Contract SPI is currently at 1.00 and CPI is at 1.00												
Upcoming Milestones												
- OT IIIA - Apr 12 - Dec 13												
- Integrated Fire Control (IFC) Apr 12 - Sep 14												
- PRP Flight Test May 13												

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Navy												DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY						R-1 ITEM NOMENCLATURE				PROJECT					
1319: Research, Development, Test & Evaluation, Navy BA 5: System Development & Demonstration (SDD)						PE 0604366N: Standard Missile Improvements				3092: Standard Missile 6 Program					
Product Development (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Design & Analysis	C/CPIF	RAYTHEON:Tucson, AZ	648.230	17.460	Feb 2012	25.509	Nov 2012	11.818	Nov 2013	-		11.818	Continuing	Continuing	Continuing
Design & Analysis	C/CPFF	JHU/APL:Laurel MD	42.108	3.310	May 2012	2.411	Nov 2012	3.049	Nov 2013	-		3.049	0.000	50.878	
Design & Analysis	MIPR	MIT/Lin Lab:Lexington, MA	0.550	0.000		0.000		0.000		-		0.000	0.000	0.550	
Design & Analysis	WR	NAWC:China Lake	3.285	1.149	Mar 2012	0.543	Nov 2012	0.050	Nov 2013	-		0.050	0.000	5.027	
Design & Analysis	WR	NSWC:Dahlgren	9.845	1.059	Apr 2012	0.400	Nov 2012	0.175	Nov 2013	-		0.175	0.000	11.479	
Design & Analysis	WR	NSWC:Indian Head	3.291	0.021	Nov 2012	0.300	Nov 2012	0.300	Nov 2013	-		0.300	0.000	3.912	
Design & Analysis	WR	NSWC:PHD	9.012	0.000		0.050	Nov 2012	0.050	Nov 2013	-		0.050	0.000	9.112	
Design & Analysis	WR	NSWC:Crane	1.191	0.065	Mar 2012	0.000		0.000		-		0.000	0.000	1.256	
Design & Analysis	MIPR	JSPO:Eglin AFB	23.722	0.327	May 2012	0.000		0.000		-		0.000	0.000	24.049	
Design & Analysis	C/CPFF	LOCKHEED Martin:Moorestown, NJ	5.794	0.280	Nov 2012	0.000		7.000	Nov 2013	-		7.000	0.000	13.074	
Design & Analysis	WR	NSWC:Corona	16.559	0.000		0.200	Nov 2012	0.100	Nov 2013	-		0.100	0.000	16.859	
Design & Analysis	Reqn	ONR:Arlington, VA	5.150	0.170	Nov 2012	0.000		0.000		-		0.000	0.000	5.320	
Design & Analysis	Reqn	NRL:Washington, DC	0.090	0.000		0.000		0.000		-		0.000	0.000	0.090	
Design & Analysis	WR	COMPTEVFOR:Norfolk, VA	2.155	0.000		0.000		0.000		-		0.000	0.000	2.155	
Design & Analysis	WR	CARDEROCK:Philadelphia, PA	2.549	0.000		0.000		0.000		-		0.000	0.000	2.549	
Design & Analysis	WR	NSWC:Pt Mugu	0.613	0.000		0.000		0.000		-		0.000	0.000	0.613	
Design & Analysis	C/CPFF	BAE:Rockville, MD	6.446	0.000		0.080	Nov 2012	0.000		-		0.000	0.000	6.526	
Design & Analysis	MIPR	ARMY:Redstone	0.050	0.000		0.000		0.000		-		0.000	0.000	0.050	
Design & Analysis	WR	NAWCAD:Pax River, MD	0.392	0.000		0.000		0.000		-		0.000	0.000	0.392	
Design & Analysis	C/CPFF	CORVID:Mooresville, NC	2.750	0.150	Mar 2012	0.500	Nov 2012	0.000		-		0.000	0.000	3.400	
Design & Analysis	C/CPFF	RNB:Arlington, VA	0.010	0.000		0.000		0.000		-		0.000	0.000	0.010	

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Navy												DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY						R-1 ITEM NOMENCLATURE				PROJECT					
1319: Research, Development, Test & Evaluation, Navy BA 5: System Development & Demonstration (SDD)						PE 0604366N: Standard Missile Improvements				3092: Standard Missile 6 Program					
Product Development (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Design & Analysis	WR	SPAWAR:Arlington, VA	0.007	0.000		0.000		0.000		-		0.000	0.000	0.007	
Design & Analysis	WR	ARMY:Cecom	0.066	0.000		0.000		0.000		-		0.000	0.000	0.066	
Design & Analysis	C/FP	GENERAL DYNAMICS:Falls Church, VA	1.660	0.000		0.000		0.000		-		0.000	0.000	1.660	
Design & Analysis	WR	VARIOUS:(IWS 1A)	59.773	0.000		0.000		11.000	Nov 2013	-		11.000	0.000	70.773	
Design & Analysis	WR	VARIOUS:(VLS)	24.772	0.000		0.040	Nov 2012	0.050	Nov 2013	-		0.050	0.000	24.862	
Design & Analysis	WR	NSWC:WSMR	0.000	0.000		0.100	Nov 2012	0.100	Nov 2013	-		0.100	0.000	0.200	
Subtotal			870.070	23.991		30.133		33.692		0.000		33.692			
Test and Evaluation (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation	WR	NSWC:Port Hueneme	0.400	0.790	May 2012	0.200	Nov 2012	0.700	Nov 2013	-		0.700	0.000	2.090	
Developmental Test & Evaluation	WR	NSWC:WSMR	19.321	4.180	May 2012	1.848	Nov 2012	1.900	Nov 2013	-		1.900	0.000	27.249	
Developmental Test & Evaluation	WR	PMRF:Hawaii	38.089	0.112	Jun 2012	0.000		0.000		-		0.000	0.000	38.201	
Developmental Test & Evaluation	WR	NAWC:Pt Mugu	0.769	0.000		0.000		2.000	Nov 2013	-		2.000	0.000	2.769	
Developmental Test & Evaluation	C/CPAF	RAYTHEON:Tucson, AZ	14.242	1.024	Feb 2012	1.841	Nov 2012	1.854	Nov 2013	-		1.854	0.000	18.961	
Developmental Test & Evaluation	C/CPFF	JHU/APL:Laurel, MD	1.250	2.498	Mar 2012	2.455	Nov 2012	2.630	Nov 2013	-		2.630	0.000	8.833	
Developmental Test & Evaluation	WR	NSWC:Corona	1.750	2.148	Mar 2012	0.800	Nov 2012	1.620	Nov 2013	-		1.620	0.000	6.318	
Developmental Test & Evaluation	WR	NSWC:Dahlgren	0.500	0.363	May 2012	0.100	Nov 2012	0.550	Nov 2013	-		0.550	0.000	1.513	

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Navy												DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>System Development & Demonstration (SDD)</i>						R-1 ITEM NOMENCLATURE PE 0604366N: <i>Standard Missile Improvements</i>						PROJECT 3092: <i>Standard Missile 6 Program</i>			
Test and Evaluation (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Developmental Test & Evaluation	WR	VLS:Arlington, VA	0.750	0.805	Jun 2012	0.385	Nov 2012	0.150	Nov 2013	-		0.150	0.000	2.090	
Developmental Test & Evaluation	WR	COMPTEVFOR:Norfolk, Va	0.250	0.672	May 2012	0.000		0.000		-		0.000	0.000	0.922	
Developmental Test & Evaluation	WR	VARIOUS:(IWS 1A)	0.000	0.902	May 2012	0.000		0.000		-		0.000	0.000	0.902	
Developmental Test & Evaluation	WR	NSWC:Carderock	0.000	0.000		0.000		2.000	Nov 2013	-		2.000	0.000	2.000	
Subtotal			77.321	13.494		7.629		13.404		0.000		13.404	0.000	111.848	
Management Services (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Contractor Engineering Services	C/CPAF	VARIOUS:Various	22.405	1.083	Feb 2012	1.500	Nov 2012	1.730	Nov 2013	-		1.730	0.000	26.718	
Travel	Various	IWS3:Arlington, VA	1.028	0.060	Dec 2011	0.050	Nov 2012	0.050	Nov 2013	-		0.050	0.000	1.188	
DAWDF	C/FP	Not Specified:Not Specified	1.130	0.000		0.000		0.000		-		0.000	0.000	1.130	
Subtotal			24.563	1.143		1.550		1.780		0.000		1.780	0.000	29.036	
			All Prior Years	FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			971.954	38.628		39.312		48.876		0.000		48.876			
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2014 Navy

DATE: April 2013

APPROPRIATION/BUDGET ACTIVITY

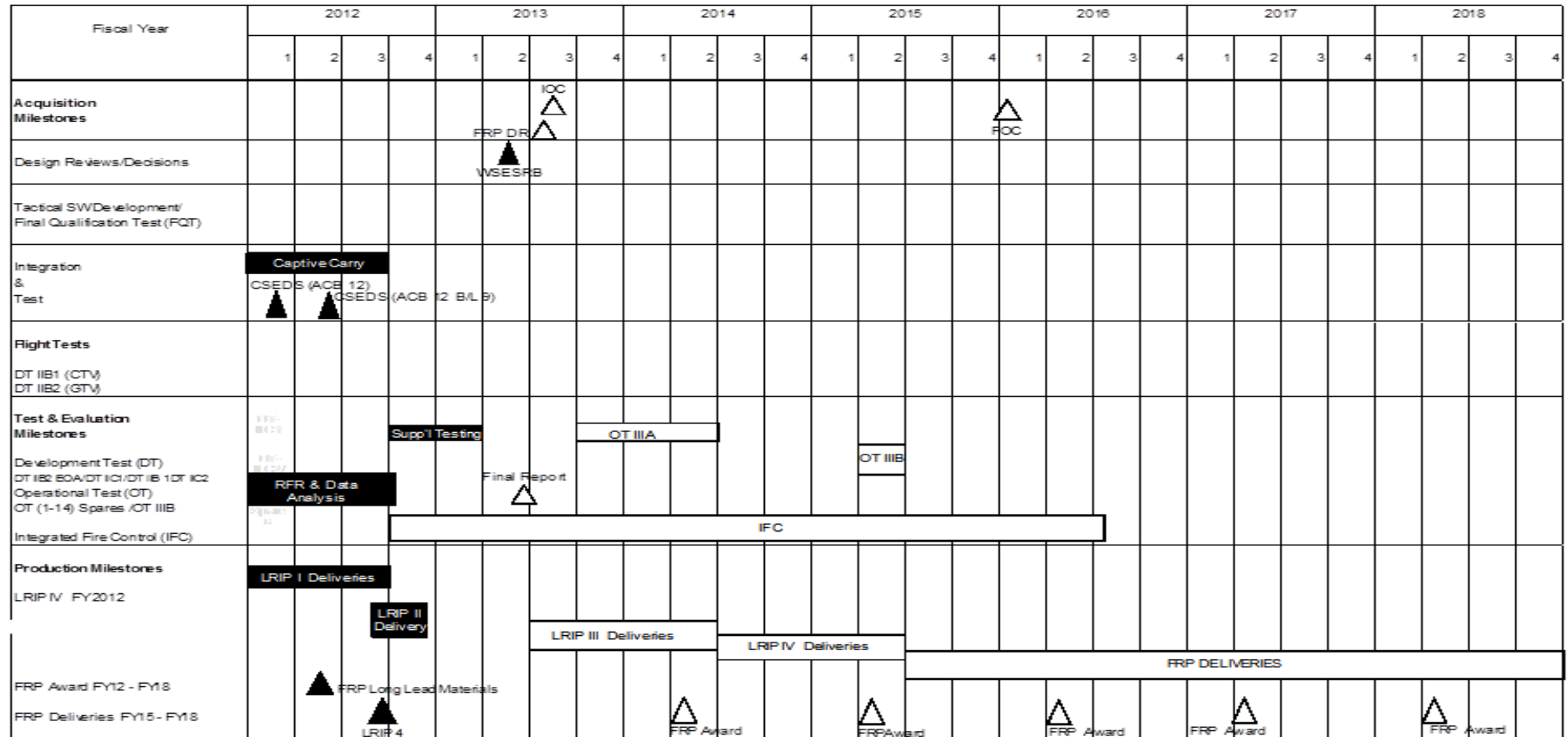
1319: Research, Development, Test & Evaluation, Navy
BA 5: System Development & Demonstration (SDD)

R-1 ITEM NOMENCLATURE

PE 0604366N: Standard Missile
Improvements

PROJECT

3092: Standard Missile 6 Program



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Exhibit R-4A, RDT&E Schedule Details: PB 2014 Navy			DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>System Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0604366N: <i>Standard Missile Improvements</i>	PROJECT 3092: <i>Standard Missile 6 Program</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Proj 3092				
IOC	2	2013	3	2013
Full-Rate Production (FRP) Decision	3	2013	3	2013
Full Operational Capability (FOC)	4	2015	1	2016
WSESRB	1	2013	2	2013
Captive Carry	1	2012	3	2012
CSEDS (ACB 12) (ACB 12 B/L 9)	1	2012	2	2012
Supplemental Testing	3	2012	1	2013
OT IIIA	4	2013	2	2014
OT IIIB	2	2015	2	2015
Runs for the Record (RFR) & Data Analysis	1	2012	4	2012
Runs for Record Final Report	1	2013	1	2013
Integrated Fire Control (IFC)	3	2012	3	2016
Low-Rate Initial Production I Deliveries	1	2012	3	2012
Low-Rate Initial Production II Deliveries	3	2012	4	2012
Low-Rate Initial Production III Deliveries	3	2013	2	2014
Low-Rate Initial Production IV Deliveries	3	2014	2	2015
Full Rate Production (FRP) Deliveries	3	2015	4	2018
Full Rate Production (FRP) I Long Lead Material	2	2012	2	2012
LRIP IV Award	3	2012	3	2012
Full Rate Production (FRP) Award	2	2014	2	2018