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Exhibit R-2, RDT&E Budget Item Justification: PB 2015 Navy										Date: March 2014		
Appropriation/Budget Activity 1319: Research, Development, Test & Evaluation, Navy / BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0207161N / Tactical Aim Missiles							
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
Total Program Element	316.255	18.889	15.453	47.258	-	47.258	85.567	112.077	88.564	100.801	Continuing	Continuing
0457: AIM-9X	316.255	17.916	6.634	40.050	-	40.050	30.989	15.011	0.260	0.308	4.419	431.842
0458: AIM-9X Block III	0.000	0.973	8.819	7.208	-	7.208	54.578	97.066	88.304	100.493	Continuing	Continuing
MDAP/MAIS Code: Other MDAP/MAIS Code(s): 442, P911												
# The FY 2015 OCO Request will be submitted at a later date.												
Note												
Note: The 0457 Cost to Complete on Exhibits R-2 and R-2a should be \$4.494M. Exhibit R-3 reflects the correct Cost to Complete and Total Cost.												
A. Mission Description and Budget Item Justification												
The AIM-9X (Sidewinder) short-range air-to-air missile is a long term evolution of the AIM-9 series of fielded missiles. The AIM-9X missile program provides a launch and leave, air combat munition that uses passive infrared (IR) energy for acquisition and tracking of enemy aircraft and complements the Advanced Medium Range Air-to-Air Missile (AMRAAM). Air superiority in the short-range air-to-air missile arena is essential and includes first shot, first kill opportunity against an enemy employing IR countermeasures. The AIM-9X employs several components common with the AIM-9M (fuze, rocket motor and warhead). Anti-Tamper features have been incorporated to protect improvements inherent in this design. AIM-9X is a Post Milestone III, Acquisition Category IC joint service program with Navy lead.												
The Block II program has entered into Low Rate Initial Production (LRIP) and the LRIP-3 contract was awarded in August 2013. This budget line continues the development, test and integration of software updates to the missile and aircraft platform integration to ensure these capabilities perform in accordance with established requirements as documented in the Capabilities Production Document (CPD).												
The AIM-9X Block III builds upon the incremental acquisition strategy used to develop AIM-9X Block I and Block II to provide increased kinematics, lethality, enhanced IR Counter-Measure performance against emerging advanced threats, and improved Insensitive Munitions (IM) performance and will employ several components common with the AIM-9X Block II (advanced seeker, Advanced Optical Target Detector / datalink).												
This program is funded under OPERATIONAL SYSTEMS DEVELOPMENT because it includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate funding in the current or subsequent fiscal year.												

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Appropriation/Budget Activity 1319: Research, Development, Test & Evaluation, Navy I BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0207161N I Tactical Aim Missiles				
B. Program Change Summary (\$ in Millions)		FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total
Previous President's Budget		21.107	39.159	96.557	-	96.557
Current President's Budget		18.889	15.453	47.258	-	47.258
Total Adjustments		-2.218	-23.706	-49.299	-	-49.299
• Congressional General Reductions		-	-			
• Congressional Directed Reductions		-	-23.706			
• Congressional Rescissions		-	-			
• Congressional Adds		-	-			
• Congressional Directed Transfers		-	-			
• Reprogrammings		-	-			
• SBIR/STTR Transfer		-0.436	-			
• Program Adjustments		-	-	-0.657	-	-0.657
• Rate/Misc Adjustments		-	-	-48.642	-	-48.642
• Congressional General Reductions Adjustments		-1.782	-	-	-	-
Change Summary Explanation						
Schedule:						
Project Unit 0457: Lot awards have been revised as follows: From FRP-1 to LRIP-4 (Lot 14), FRP-2 to FRP-1 (Lot 15), FRP-3 to FRP-2 (Lot 16). OT-C1 completion extended from 1st Qtr FY 2014 to 1st Qtr 2015. Change is a result of extended period required to complete Operational Test (OT) and receive final Initial Operational Test & Evaluation (IOT&E) and Beyond LRIP (BLRIP) reports from Director, Operational Test & Evaluation (D,OT&E).						
Project Unit 0458: AIM-9X Block III schedule has been updated to reflect a 2-year program delay.						
Cost: FY15-FY17 funding realigned from PU 0458 to 0457 to support design, development and qualification of hardware improvements to the AIM-9X Block II missile system.						
Technical: Not applicable.						

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Navy										Date: March 2014		
Appropriation/Budget Activity 1319 / 7					R-1 Program Element (Number/Name) PE 0207161N / Tactical Aim Missiles				Project (Number/Name) 0457 / AIM-9X			
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
0457: AIM-9X	316.255	17.916	6.634	40.050	-	40.050	30.989	15.011	0.260	0.308	4.419	431.842
Quantity of RDT&E Articles	0.000	-	-	-	-	-	-	-	-	-		
MDAP/MAIS Code: 442												
# The FY 2015 OCO Request will be submitted at a later date.												
A. Mission Description and Budget Item Justification												
AIM-9X is a long-term evolution of the AIM-9, a fielded system, qualifying this as a research category operational systems development. The AIM-9X short range Air-to-Air missile modification program provides a launch and leave, air combat munition that uses passive Infra-Red energy for acquisition and tracking of enemy aircraft and complements the Advanced Medium Range Air to Air Missile. Air superiority in the short range Air-to-Air Missile arena is essential and includes first shot, first kill opportunity against an enemy employing IR countermeasures. The AIM-9X employs several components common with the AIM-9M (fuze, rocket motor and warhead).												
The program will enter the final planned LRIP (LRIP-4) in FY 2014, followed by Block II Full Rate Production (FRP) in FY 2015 and beyond.												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2013	FY 2014	FY 2015	
Title: Test and Evaluation of System Articles: Description: Funding required for Test & Evaluation (T&E) and associated governmental support required to ensure the AIM-9X missile integration with threshold US Navy aircraft platforms. FY 2013 Accomplishments: Continue Operational Testing (OT). FY 2014 Plans: Continue OT and await final report in support of Full Rate Production and fielding of missile. Develop T&E requirements for Block II program CPD. FY 2015 Plans: Complete OT and await final IOT&E and BLRIP reports. Continue to develop and finalize T&E requirements for Block II program Capabilities Production Document.									2.282	0.850	1.000	
									-	-	-	
Title: Product Development Articles: Description: Continuation of Primary Hardware Development/Pre-Planned Product Improvement efforts for the AIM-9X weapon system. This includes Systems Engineering / Program management, as well as support required, to ensure AIM-9X missile									14.804	5.118	38.941	
									-	-	-	

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Navy		Date: March 2014		
Appropriation/Budget Activity 1319 / 7	R-1 Program Element (Number/Name) PE 0207161N / <i>Tactical Aim Missiles</i>	Project (Number/Name) 0457 / AIM-9X		
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2013	FY 2014	FY 2015
integration with threshold US Navy aircraft platforms. This also includes efforts to redesign missile components in order to resolve Block II / Block III common component obsolescence, implement cost reduction initiatives, and to comply with the Insensitive Munitions (IM) requirements as established by Joint Requirements Oversight Council memo dated 11 February 2009. FY 2013 Accomplishments: Continued support of AIM-9X Block II integration and Operational Testing. Study IM alternatives and risk reduction methods. Continue support of OT anomaly resolution. In addition, during FY13 the funding to study the redesign of common Block II / Block III components was moved from the Block III project unit, into this project unit. FY 2014 Plans: Continue support of AIM-9X Block II integration. Continue support of OT anomaly resolution. Identify missile component obsolescence redesign critical to maintaining production for the Block II missile system in accordance with the program Capabilities Production Document objectives. FY 2015 Plans: Implement Engineering Manufacturing Development required to redesign, integrate, test and qualify components due to obsolescence and implement cost reduction initiatives. Specific component improvements include the dome, the guidance unit, the processors, the control actuation system and battery, and associated operational flight software updates. In addition this line funds improvements to enhance IM compliance. Specific components include the warhead and missile container.				
Title: Transportation & Travel for Program Management Articles: Description: Transportation / Travel for AIM-9X effort. FY 2013 Accomplishments: Continued funding transportation and travel costs associated with supporting the AIM-9X missile program. FY 2014 Plans: Continue funding transportation and travel costs associated with supporting the AIM-9X missile program. FY 2015 Plans: Continue funding transportation and travel costs associated with supporting the AIM-9X missile program.		0.178 -	0.088 -	0.109 -
Title: Support Articles: Description: Studies and Analysis FY 2013 Accomplishments:		0.652 -	0.578 -	- -

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Navy										Date: March 2014		
Appropriation/Budget Activity 1319 / 7				R-1 Program Element (Number/Name) PE 0207161N / <i>Tactical Aim Missiles</i>				Project (Number/Name) 0457 / <i>AIM-9X</i>				
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)										FY 2013	FY 2014	FY 2015
Continued studies and analysis in support of advanced development of AIM-9X Sidewinder.												
FY 2014 Plans: Continue studies and analysis in support of advanced development of AIM-9X Sidewinder.												
FY 2015 Plans: N/A												
Accomplishments/Planned Programs Subtotals										17.916	6.634	40.050
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost	
• WPN 2209: <i>Sidewinder</i>	69.032	101.689	73.928	-	73.928	97.245	105.109	106.805	109.109	786.351	1,922.177	
• MPAF 3479: <i>Sidewinder</i>	72.242	100.590	132.995	-	132.995	156.234	181.949	114.384	116.498	969.566	2,481.674	
• RDTE, AF 41: <i>Sidewinder</i>	5.972	12.760	29.739	-	29.739	46.133	51.765	13.106	13.356	5.033	460.389	
Remarks												
D. Acquisition Strategy												
Milestone C decision for LRIP was held June 24, 2011, and the program has entered into LRIP contracts for Block II in FY 2011 and FY 2012. The LRIP-3 contract was awarded in August 2013. The program will enter the final planned LRIP (LRIP-4) in FY 2014, followed by Block II FRP in FY 2015 and beyond.												
E. Performance Metrics												
Complete IOT&E and BLRIP reports.												

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Navy												Date: March 2014			
Appropriation/Budget Activity 1319 / 7						R-1 Program Element (Number/Name) PE 0207161N / Tactical Aim Missiles				Project (Number/Name) 0457 / AIM-9X					
Product Development (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Primary Hardware Development	SS/CPFF	Raytheon Missile Systems : Tucson, AZ	0.000	11.261	Jun 2013	-		33.170	Jun 2015	-		33.170	44.737	89.168	104.641
Munition Improvement Study	SS/CPFF	Raytheon Missile Systems : Tucson, AZ	0.000	-		1.781	Dec 2013	-		-		-	-	1.781	1.781
Aircraft Integration	C/CPFF	The Boeing Company : St. Louis, MO	7.169	0.216	Dec 2012	1.721	Dec 2013	2.882	Dec 2014	-		2.882	-	11.988	14.870
Aircraft Integration	WR	NAWCWD : China Lake, CA	4.181	1.642	Nov 2012	1.616	Nov 2013	2.889	Nov 2014	-		2.889	-	10.328	-
Systems Engineering	WR	NAWCWD : China Lake, CA	38.931	1.685	Nov 2012	-		-		-		-	-	40.616	-
Prior Year Prod Dev cost no longer funded in the FYDP	Various	Various : Various	210.294	-		-		-		-		-	-	210.294	-
Subtotal			260.575	14.804		5.118		38.941		-		38.941	44.737	364.175	-
Remarks															
Total prior years - FY95 and prior under PE 0603715D. FY12 and FY13 funds warhead improvements to comply with insensitive munitions requirements.															
Support (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Management Support Services	C/CPFF	Mantech Systems : Fairfax, VA	0.000	0.642	Sep 2013	0.578	Aug 2014	-		-		-	-	1.220	1.220
Studies & Analyses	C/CPFF	NSMA : Arlington, VA	0.181	0.010	Feb 2013	-		-		-		-	-	0.191	0.191
Subtotal			0.181	0.652		0.578		-		-		-	-	1.411	1.411

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Navy													Date: March 2014		
Appropriation/Budget Activity 1319 / 7						R-1 Program Element (Number/Name) PE 0207161N / <i>Tactical Aim Missiles</i>				Project (Number/Name) 0457 / <i>AIM-9X</i>					
Test and Evaluation (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Navy Test & Eval (Govt Op Test - WD)	WR	NAWC WD : China Lake, CA	0.814	-		-		-		-		-	-	0.814	-
Oper Test & Eval (OPTEVFOR)	WR	OPTEVFOR : Norfolk, VA	4.830	2.282	Oct 2012	0.850	Oct 2013	1.000	Nov 2014	-		1.000	6.201	15.163	-
System Improvement Process	SS/CPFF	Raytheon Missile Systems : Tucson, AZ	4.087	-		-		-		-		-	-	4.087	4.087
Prior year T&E cost no longer funded in the FYDP	Various	Various : Various	35.051	-		-		-		-		-	-	35.051	-
Subtotal			44.782	2.282		0.850		1.000		-		1.000	6.201	55.115	-
Management Services (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Transportation - Material	WR	NAVAIR : Patuxent River, MD	0.145	0.096	Oct 2012	0.050	Oct 2013	0.050	Oct 2014	-		0.050	0.050	0.391	-
Travel - Obligation throughout the year	WR	NAWCAD : Patuxent River, MD	2.539	0.082	Oct 2012	0.038	Oct 2013	0.059	Oct 2014	-		0.059	0.074	2.792	-
Prior Year Mgmt cost no longer funded in the FYDP	Various	Various : Various	8.033	-		-		-		-		-	-	8.033	-
Subtotal			10.717	0.178		0.088		0.109		-		0.109	0.124	11.216	-
			Prior Years	FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			316.255	17.916		6.634		40.050		-		40.050	51.062	431.917	-
Remarks The 0457 Cost to Complete on Exhibits R-2 and R-2a should be \$4.494M. Exhibit R-3 reflects the correct Cost to Complete and Total Cost.															

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PE 0207161N: *Tactical Aim Missiles*
Navy

R-1 Line #200

R-1 Program Element (Number/Name)	Program Element Description	Program Element Type	Program Element Status	Program Element Location	Program Element Contact	Program Element Date	Program Element Comments

Project (Number/Name)	Start Date	End Date	Duration (Days)	Project Manager	Status	Notes
101	2023-01-01	2023-01-15	15	John Doe	Completed	Project completed successfully.
102	2023-01-16	2023-02-01	16	Jane Smith	In Progress	Project is currently in progress.
103	2023-02-02	2023-02-15	14	John Doe	On Hold	Project is on hold due to resource availability.
104	2023-02-16	2023-03-01	15	Jane Smith	Planned	Project is planned for the future.
105	2023-03-02	2023-03-15	14	John Doe	Completed	Project completed successfully.
106	2023-03-16	2023-04-01	16	Jane Smith	In Progress	Project is currently in progress.
107	2023-04-02	2023-04-15	14	John Doe	On Hold	Project is on hold due to resource availability.
108	2023-04-16	2023-05-01	16	Jane Smith	Planned	Project is planned for the future.
109	2023-05-02	2023-05-15	14	John Doe	Completed	Project completed successfully.
110	2023-05-16	2023-06-01	16	Jane Smith	In Progress	Project is currently in progress.

PE 0207161N / Tactical Aim Missiles

0457 / AIM-9X

TACTICAL AIM MISSILES Block I & II	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019							
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q				
Acquisition Milestone - Block II																																
Systems Development																																
Primary Hardware Development			H/W																													
T&E Milestones - Block II																																
Operational Test	OT-C1																															
Production Milestones - Block II																																
Contract Awards				LRIP 3 Qty 150 ●			LRIP 4 Qty 225 ●				FRP 1 Qty 167 ●				FRP 2 Qty 215 ●				FRP 3 Qty 212 ●				FRP 4 Qty 201 ●				FRP 5 Qty 200 ●					
Production Deliveries	LRIP 1 Qty 63				LRIP 2 Qty 69				LRIP 3 Qty 150				LRIP 4 Qty 225				FRP 1 Qty 167				FRP 2 Qty 215				FRP 3 Qty 212				FRP 4 Qty 201			

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Exhibit R-4A, RDT&E Schedule Details: PB 2015 Navy			Date: March 2014
Appropriation/Budget Activity 1319 / 7	R-1 Program Element (Number/Name) PE 0207161N / <i>Tactical Aim Missiles</i>	Project (Number/Name) 0457 / AIM-9X	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>TACTICAL AIM MISSILES Block I & II</i>				
Systems Development: Primary Hardware Development: Hardware Development (Design, Development, Qual of H/W Improvements)	3	2013	4	2019
T&E Milestones - Block II: Operational Test: v9.3 Operational Test (OT-C1)	1	2013	1	2015
Production Milestones - Block II: Contract Awards: Low Rate Initial Production (LRIP 3) Award (WPN) / LRIP 3 Qty 150	4	2013	4	2013
Production Milestones - Block II: Contract Awards: Low Rate Initial Production (LRIP 4) Award / LRIP 4 Qty 225	2	2014	2	2014
Production Milestones - Block II: Contract Awards: Full Rate Production (FRP 1) Award / FRP 1 Qty 167	2	2015	2	2015
Production Milestones - Block II: Contract Awards: Full Rate Production (FRP 2) Award / LRIP 2 Qty 215	2	2016	2	2016
Production Milestones - Block II: Contract Awards: Full Rate Production (FRP 3) Award / FRP 3 Qty 212	2	2017	2	2017
Production Milestones - Block II: Contract Awards: Full Rate Production (FRP 4) Award / FRP 4 Qty 201	2	2018	2	2018
Production Milestones - Block II: Contract Awards: Full Rate Production (FRP 5) Award / FRP 5 Qty 200	2	2019	2	2019
Production Deliveries: Low Rate Initial Production Lot 11 / LRIP 1 Qty 63	1	2013	4	2013
Production Deliveries: Low Rate Initial Production Lot 12 / LRIP 2 Qty 69	4	2013	4	2014
Production Deliveries: Low Rate Initial Production Lot 13 LRIP 3 Qty 150	4	2014	4	2015
Production Deliveries: Low Rate Initial Production Lot 14 LRIP 4 Qty 225	4	2015	4	2016
Production Deliveries: Full Rate Production Lot 15 FRP 1 Qty 167	4	2016	4	2017
Production Deliveries: Full Rate Production Lot 16 FRP 2 Qty 215	4	2017	4	2018
Production Deliveries: Full Rate Production Lot 17 FRP 3 Qty 212	4	2018	4	2019

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		Start		End	
Events by Sub Project		Quarter	Year	Quarter	Year
Production Deliveries: Full Rate Production Lot 18 FRP 4 Qty 201		4	2019	4	2019

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Appropriation/Budget Activity 1319 / 7					R-1 Program Element (Number/Name) PE 0207161N / Tactical Aim Missiles				Project (Number/Name) 0458 / AIM-9X Block III			
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
0458: AIM-9X Block III	-	0.973	8.819	7.208	-	7.208	54.578	97.066	88.304	100.493	Continuing	Continuing
Quantity of RDT&E Articles	0.000	-	-	-	-	-	-	-	-	-		
MDAP/MAIS Code: P911												
# The FY 2015 OCO Request will be submitted at a later date.												
A. Mission Description and Budget Item Justification												
The AIM-9X Block III builds upon the incremental acquisition strategy used to develop AIM-9X Block I and Block II to provide increased kinematic performance against emerging advanced threats, and improved Insensitive Munition (IM) performance. Block III includes design improvements to enhance performance capabilities of the missile and will employ several components common with the AIM-9X Block II (e.g. advanced seeker, Advanced Optical Target Detector / datalink). This budget line item will fund the technology risk reduction, software development, hardware development, insensitive munitions improvements, test, and aircraft platform integration of AIM-9X Block III to ensure these capabilities perform in accordance with established requirements. Risk reduction and Engineering Manufacturing Development (EMD) programs also comply with and address the Joint Requirements Oversight Council Memorandum Insensitive Munitions direction (11 February 2009) for AIM-9X IM technology insertion. Applicable anti-tamper features already incorporated in the existing AIM-9X Block II to protect improvements inherent in design will be brought forward for AIM-9X Block III.												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2013	FY 2014	FY 2015	
Title: Product Development									-	7.849	6.343	
									Articles: -	-	-	
Description: Funding required to establish the AIM-9X Block III Integrated Product Team which will develop program technology development strategy, develop draft acquisition program baseline, refine program requirements, identify best value preferred system concept, and commence competitive prototyping with associated technology risk reduction.												
FY 2013 Accomplishments: N/A												
FY 2014 Plans: Begin EMD of the AIM-9X Block III with completion of risk reduction activites. Award contracts/task orders for EMD hardware and software (S/W) systems for the AIM-9X Block III. Complete risk reduction efforts for IM improvements to the AIM-9X warhead and begin engineering analysis of rocket motor IM mitigation technologies into candidate rocket motor. Begin preliminary design review for candidate technologies and complete studies related to S/W modifications required for changes to the rocket motor, increased kinematics, and guidance & control algorithms. Refine cost estimates based on rocket motor technologies and impacts associated with IM requirements. Manufacturing of prototypes using producibility approaches and lessons learned. Will conduct IM and arena tests after subjecting prototypical warheads to thermal and mechanical environments, and assess anchored lethality												

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2013	FY 2014	FY 2015
models. Plan to integrate optimized Digital or Insensitive Detonator into selected warhead demonstration prototype and conduct IM and arena demonstrations in conjunction with selected warhead after environment testing.				
FY 2015 Plans: Continue design investigation for candidate technologies and studies related to S/W modifications required for changes to the rocket motor, increased kinematics, and guidance & control algorithms. Review to refine draft Capability Development Document (CDD) and program requirements. Continue integration studies with expected threshold platforms to define design constraints and further refine requirements. Continue risk reduction efforts for Insensitive Munition (IM) improvements to the AIM-9X warhead and engineering analysis of rocket motor IM mitigation technologies into candidate rocket motor. Will conduct IM and arena tests after subjecting prototypical warheads to thermal and mechanical environments, and assess anchored lethality models. Plan to integrate optimized Digital Insensitive Detonator into selected warhead demonstration prototype and conduct IM and arena demonstrations in conjunction with selected warhead after environment testing.				
Title: Support		0.970	-	0.275
Articles:		-	-	-
FY 2013 Accomplishments: Management and support services associated with AIM-9X Sidewinder Blk III.				
FY 2014 Plans: N/A				
FY 2015 Plans: Continue engineering technical support services associated with AIM-9X Sidewinder Block III.				
Title: Transportation & Travel for Program Management		0.003	0.970	0.590
Articles:		-	-	-
FY 2013 Accomplishments: Transportation and travel costs associated with supporting the AIM-9X Block III missile program.				
FY 2014 Plans: Management support, transportation of government funrnished materials, and travel costs associated with supporting the AIM-9X Block III missile program.				
FY 2015 Plans: Continue management support, transportation of government funrnished materials, and travel costs associated with supporting the AIM-9X Block III missile program.				
Accomplishments/Planned Programs Subtotals		0.973	8.819	7.208

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C. Other Program Funding Summary (\$ in Millions) N/A		
Remarks		
D. Acquisition Strategy AIM-9X Block III will achieve Milestone Decision Authority concurrence on the program's entry into the acquisition framework and acquisition strategy. The program will likely be approved to enter into the Technology Development Phase prior to Milestone (MS) B. Prototyping to develop common core technologies will occur in FY 2015. In FY 2016 the program will downselect to a single AIM-9X Block III primary system design, which will be used for final technology development in preparation for MS-B.		
E. Performance Metrics AIM-9X Block III supporting technologies and best value preferred system concept will be developed to meet minimum system requirements that will be defined in a draft AIM-9X Block III CDD and draft program Acquisition Program Baseline; which will be established in FY 2014.		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Navy												Date: March 2014			
Appropriation/Budget Activity 1319 / 7						R-1 Program Element (Number/Name) PE 0207161N / Tactical Aim Missiles				Project (Number/Name) 0458 / AIM-9X Block III					
Product Development (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Blk III Primary Hdw Development	C/FPIF	Raytheon Missile Systems : Tucson, AZ	0.000	-		5.385	Jun 2014	3.339	Jun 2015	-		3.339	434.558	443.282	323.025
Blk III Gov't Engineering Support	WR	NAWCWD : China Lake, CA	0.000	-		2.064	Nov 2013	1.913	Nov 2014	-		1.913	23.221	27.198	-
Blk III Gov't Engineering Support	WR	NAWCAD : Patuxent River, MD	0.000	-		0.400	Nov 2013	1.091	Nov 2014	-		1.091	13.750	15.241	-
Aircraft Integration	C/CPFF	Lockheed Martin : Fort Worth, TX	0.000	-		-		-		-		-	94.090	94.090	96.053
Telemetry Test Units	WR	NAWCWD : China Lake, CA	0.000	-		-		-		-		-	10.720	10.720	-
Subtotal			0.000	-		7.849		6.343		-		6.343	576.339	590.531	-
Remarks															
Changes have been incorporated to reflect current program direction and cost estimates. Raytheon has been identified as the prime vendor for this effort. (Previous submission identified a possible 2nd source as prime vendor). Government Systems Engineering reflects support at NAWC China Lake and Pax River. Aircraft Integration has been corrected to reflect work performed at government activity. Telemetry Test kits have been added to identify government furnished equipment provided to Raytheon.															
Support (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Studies and Analysis	WR	NSMA : Arlington, VA	0.000	-		-		0.275	Nov 2014	-		0.275	1.150	1.425	-
Integration Study (JSF)	C/CPFF	Lockheed Martin : Fort Worth, TX	0.000	0.970	Jun 2013	-		-		-		-	-	0.970	0.970
Subtotal			0.000	0.970		-		0.275		-		0.275	1.150	2.395	-
Remarks															
The Integration Study (JSF) line reflects a one-time study at Lockheed Martin to analyze missile weight on the F-35.															

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2015 Navy												Date: March 2014			
Appropriation/Budget Activity 1319 / 7						R-1 Program Element (Number/Name) PE 0207161N / Tactical Aim Missiles				Project (Number/Name) 0458 / AIM-9X Block III					
Management Services (\$ in Millions)				FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Blk III Management and Support Services	C/CPFF	Jorge Scientific Corporation : Lexington Park, MD	0.000	-		0.865	Nov 2013	0.500	Nov 2014	-		0.500	5.250	6.615	6.615
Blk III Travel- Obligation throughout the year	WR	NAVAIR : Patuxent River, MD	0.000	0.003	Nov 2012	0.065	Oct 2013	0.060	Nov 2014	-		0.060	Continuing	Continuing	Continuing
Blk III Transportation - Material	WR	NAWCAD : Patuxent River, MD	0.000	-		0.040	Nov 2013	0.030	Nov 2014	-		0.030	0.520	0.590	-
Subtotal			0.000	0.003		0.970		0.590		-		0.590	-	-	-
			Prior Years	FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			0.000	0.973		8.819		7.208		-		7.208	-	-	-
Remarks															

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PE 0207161N: *Tactical Aim Missiles*
Navy

R-1 Line #200

R-1 Program Element (Number/Name)	Program Element Description	Program Element Type	Program Element Status	Program Element Location	Program Element Contact	Program Element Comments

PE 0207161N / Tactical Aim Missiles

0458 / AIM-9X Block III

TACTICAL AIM MISSILES Block III	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019											
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q								
Acquisition Milestone - Blk III							MDD ◆															MS-B ▲														
Systems Development - Blk III	IM Risk Reduction																																			
																	Downselect Rocket Motor																			
																	Hardware Development E&MD																			
Reviews																	SRR ■																			
																	SFR ■				PDR ■								CDR ■				TRR ■			
T&E Milestones - Blk III																	Develomental Tests																			

2015PB - 0207161N - 0458

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Exhibit R-4A, RDT&E Schedule Details: PB 2015 Navy			Date: March 2014
Appropriation/Budget Activity 1319 / 7	R-1 Program Element (Number/Name) PE 0207161N / <i>Tactical Aim Missiles</i>	Project (Number/Name) 0458 / <i>AIM-9X Block III</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>TACTICAL AIM MISSILES Block III</i>				
Acquisition Milestone - Blk III: Material Development Decision	3	2014	3	2014
Acquisition Milestone - Blk III: Acquisition Milestone B	2	2018	2	2018
Systems Development - Blk III: IM Risk Reduction (Warhead + Rocket Motor)	1	2013	4	2016
Systems Development - Blk III: Systems Development Primary H/W Development Competitive	4	2016	2	2018
Systems Development - Blk III: Systems Development Primary EMD	2	2018	4	2019
Systems Development - Blk III: Reviews: System Requirements Review (SRR)	1	2017	1	2017
Systems Development - Blk III: Reviews: System Function Review (SFR)	1	2017	1	2017
Systems Development - Blk III: Reviews: Preliminary Design Review (PDR)	4	2017	4	2017
Systems Development - Blk III: Reviews: Critical Design Review (CDR)	4	2018	4	2018
Systems Development - Blk III: Reviews: Technical Readiness Review (TRR)	2	2019	2	2019
T&E Milestones - Blk III: Developmental Testing	4	2016	4	2019