

# UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2016 Navy										Date: February 2015		
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							
COST (\$ in Millions)	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
Total Program Element	335.144	17.518	37.258	76.016	-	76.016	60.772	36.489	33.189	0.213	3.965	600.564
0457: AIM-9X	334.171	16.488	37.258	76.016	-	76.016	60.772	36.489	33.189	0.213	3.965	598.561
0458: AIM-9X Block III	0.973	1.030	-	-	-	-	-	-	-	-	-	2.003
Program MDAP/MAIS Code: Project MDAP/MAIS Code(s): 442												
A. Mission Description and Budget Item Justification												
<p>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.</p> <p>The Block II program has entered into Low Rate Initial Production (LRIP) and the LRIP-4 contract was awarded in June 2014. 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. Beginning in FY 2016, the program will join the US Air Force efforts already in progress to develop missile software improvements for the next incremental version 9.4 (v9.4) as well as hardware updates to improve Insensitive Munitions performance.</p> <p>The AIM-9X Block III program has been cancelled and the hardware updates to improve Insensitive Munitions performance have been moved to the Block II program.</p> <p>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.</p>												

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Exhibit R-2, RDT&E Budget Item Justification: PB 2016 Navy				Date: February 2015		
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 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Previous President's Budget		15.453	47.258	85.567	-	85.567
Current President's Budget		17.518	37.258	76.016	-	76.016
Total Adjustments		2.065	-10.000	-9.551	-	-9.551
• Congressional General Reductions		-	-			
• Congressional Directed Reductions		-	-10.000			
• Congressional Rescissions		-	-			
• Congressional Adds		-	-			
• Congressional Directed Transfers		-	-			
• Reprogrammings		2.590	-			
• SBIR/STTR Transfer		-0.525	-			
• Program Adjustments		-	-	-9.238	-	-9.238
• Rate/Misc Adjustments		-	-	-0.313	-	-0.313
Change Summary Explanation						
The FY 2016 funding request was reduced by \$0.200 million to account for the availability of prior year execution balances.						
Schedule:						
Project 0457: AIM-9X Block II schedule has been updated to reflect Developmental Test, Integrated Test and Operational Testing of Operational Flight Software version 9.4 including improvements associated with integrating the F/A-18 aircraft to utilize full capability of the Block II missile.						
Project 0458: AIM-9X Block III schedule has been updated to reflect the Department's decision to cancel the Block III program.						
Cost:						
Project 0457 FY16 funding increase represents missile software improvements for the next incremental missile software version, Operational Flight Software v9.4, as well as hardware updates to improve Insensitive Munitions (IM) performance.						
Project 0458: Program funds in FY15 were eliminated by Congressional mark. FY16 funding decrease results from the Department's decision to move the hardware updates to improve Insensitive Munitions performance to the Block II program, and cancel the AIM-9X Block III program.						
Technical: Not applicable.						

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Exhibit R-2A, RDT&E Project Justification: PB 2016 Navy									Date: February 2015			
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 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
0457: AIM-9X	334.171	16.488	37.258	76.016	-	76.016	60.772	36.489	33.189	0.213	3.965	598.561
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		
Project MDAP/MAIS Code: 442												
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 (IR) 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 entered the final planned Low Rate Initial Production (LRIP-4) in FY 2014 and will begin Block II Full Rate Production in FY 2015 and beyond.												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)								FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title: Test and Evaluation (T&E) of System  Articles:  Description: Funding required for Test and Evaluation (T&E) and associated governmental support required to ensure the AIM-9X missile integration with threshold US Navy aircraft platforms. Beginning in FY 2016 the program will test the next incremental version of software improvements to the missile.  FY 2014 Accomplishments: Continue Operational Testing and await final report in support of Full Rate Production and fielding of missile. Develop T&E requirements for Block II program Capabilities Production Document (CPD).  FY 2015 Plans: Complete OT and await final Initial Operational Test & Evaluation and Beyond LRIP reports. Continue to develop and finalize T&E requirements for Block II program CPD.  FY 2016 Base Plans: Begin Developmental Testing and Integrated Testing of Operational Flight Software version 9.4 including improvements associated with integrating the F/A-18 aircraft to utilize full capability of the Block II missile.  FY 2016 OCO Plans: N/A								2.765	0.656	3.200	-	3.200
								-	-	-	-	-
Title: Product Development								13.356	36.377	72.729	-	72.729

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Exhibit R-2A, RDT&E Project Justification: PB 2016 Navy				Date: February 2015		
Appropriation/Budget Activity 1319 / 7		R-1 Program Element (Number/Name) PE 0207161N / Tactical Aim Missiles		Project (Number/Name) 0457 / AIM-9X		
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Articles:		-	-	-	-	
<p><b>Description:</b> 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 integration with threshold US Navy aircraft platforms. This also includes efforts to redesign missile components in order to resolve Block II 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.</p> <p>The IM improvements were realigned to this project (0457) from the AIM-9X Block III project (0458) beginning in FY 2016. The program will focus on implementing IM safety improvements to the warhead that were developed by Navy Research Laboratory, to incorporate into the AIM-9X Block II production missile in FY 2019. Beginning in FY 2016, the Navy will also join in the Air Force efforts that began in FY 2015 to develop software improvements for the next incremental version 9.4 (v9.4x) to incorporate into the FY 2017 AIM-9X Block II production missile.</p> <p><b>FY 2014 Accomplishments:</b> Continue support of AIM-9X Block II integration. Continue support of Operational Test 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.</p> <p><b>FY 2015 Plans:</b> 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.</p> <p><b>FY 2016 Base Plans:</b> Continue Engineering Manufacturing Development required to redesign, integrate, test and qualify components due to obsolescence and implement cost reduction initiatives. Continue to develop v9.4 Block II software improvements to utilize full capability of the missile. Continue to develop missile hardware design improvements necessary to enhance IM performance.</p> <p><b>FY 2016 OCO Plans:</b> N/A</p>						
Title: Transportation & Travel for Program Management		0.251	0.225	0.087	-	0.087

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Exhibit R-2A, RDT&E Project Justification: PB 2016 Navy										Date: February 2015	
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 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total		
<i>Articles:</i>					-	-	-	-	-		
<i>Description:</i> Transportation / Travel for AIM-9X effort.											
<i>FY 2014 Accomplishments:</i> Continue funding transportation and travel costs associated with supporting the AIM-9X missile program.											
<i>FY 2015 Plans:</i> Continue funding transportation and travel costs associated with supporting the AIM-9X missile program.											
<i>FY 2016 Base Plans:</i> Continue funding transportation and travel costs associated with supporting the AIM-9X missile program.											
<i>FY 2016 OCO Plans:</i> N/A											
<i>Title:</i> Support					0.116	-	-	-	-		
<i>Articles:</i>					-	-	-	-	-		
<i>Description:</i> Studies and Analysis											
<i>FY 2014 Accomplishments:</i> Continue studies and analysis in support of advanced development of AIM-9X Sidewinder.											
<i>FY 2015 Plans:</i> N/A											
<i>FY 2016 Base Plans:</i> N/A											
<i>FY 2016 OCO Plans:</i> N/A											
Accomplishments/Planned Programs Subtotals					16.488	37.258	76.016	-	76.016		
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
• WPN 2209: <i>Sidewinder</i>	96.689	68.178	96.427	-	96.427	103.644	107.375	75.623	76.045	682.973	1,848.894
• MPAF 3479: <i>Sidewinder</i>	105.190	129.121	200.777	-	200.777	212.377	204.524	115.491	117.572	323.107	2,117.617

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2016 Navy			<b>Date:</b> February 2015
<b>Appropriation/Budget Activity</b> 1319 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0207161N / <i>Tactical Aim Missiles</i>	<b>Project (Number/Name)</b> 0457 / <i>AIM-9X</i>	

**C. Other Program Funding Summary (\$ in Millions)**

<u>Line Item</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u> <u>Base</u>	<u>FY 2016</u> <u>OCO</u>	<u>FY 2016</u> <u>Total</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• RDTE, AF 41: <i>Sidewinder</i>	12.376	29.739	43.360	-	43.360	52.836	13.984	13.244	13.481	1.620	469.137

**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 final planned LRIP (LRIP-4) was awarded in June 2014. It will be followed by Block II FRP in FY 2015 and beyond.

**E. Performance Metrics**

Complete Initial Operational Testing and Evaluation and Beyond LRIP reports.

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**Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Navy** **Date:** February 2015

<b>Appropriation/Budget Activity</b> 1319 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0207161N / <i>Tactical Aim Missiles</i>	<b>Project (Number/Name)</b> 0457 / AIM-9X
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Product Development (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 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	11.261	5.767	Aug 2014	24.971	Jan 2015	46.418	Jun 2016	-		46.418	69.538	157.955	157.955
Software Development-9.400	SS/CPFF	Raytheon Missile Systems : Tucson, AZ	0.000	-		-		1.809	Jun 2016	-		1.809	49.098	50.907	50.907
Munition Improvement Study	SS/CPFF	Raytheon Missile Systems : Tucson, AZ	0.000	2.905	Dec 2013	-		-		-		-	-	2.905	2.905
Aircraft Integration	C/CPFF	The Boeing Company : St. Louis, MO	7.385	1.954	Feb 2014	0.859	Jan 2015	10.829	Dec 2015	-		10.829	2.440	23.467	23.467
Aircraft Integration	WR	NAWCWD : China Lake, CA	5.823	2.730	Nov 2013	10.342	Nov 2014	13.673	Nov 2015	-		13.673	2.440	35.008	-
Government Project Management	WR	NAWCAD : PAX River, MD	0.000	-		0.205	Dec 2014	-		-		-	-	0.205	-
Prior Year Prod Dev cost no longer funded in the FYDP	Various	Various : Various	250.910	-		-		-		-		-	-	250.910	-
<b>Subtotal</b>			275.379	13.356		36.377		72.729		-		72.729	123.516	521.357	-

**Remarks**

Total prior years - FY95 and prior under PE 0603715D. The increase from FY15 to FY16 reflects the department's decision to realign the hardware updates to improve Insensitive Munitions performance out of the AIM-9X Block III program and into the AIM-9X Block II program.

Support (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 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	COMOPTEVFOR : Norfolk, VA	0.000	0.116	Jul 2014	-		-		-		-	-	0.116	0.116
Management Support Services	C/CPFF	Mantech Systems : Fairfax, VA	0.652	-	Aug 2014	-		-		-		-	-	0.652	0.652
Prior Year Support Costs	C/CPFF	Various : Various	0.181	-		-		-		-		-	-	0.181	-

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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis: PB 2016 Navy</b>													<b>Date:</b> February 2015		
<b>Appropriation/Budget Activity</b> 1319 / 7						<b>R-1 Program Element (Number/Name)</b> PE 0207161N / <i>Tactical Aim Missiles</i>				<b>Project (Number/Name)</b> 0457 / AIM-9X					
<b>Support (\$ in Millions)</b>				<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016 Base</b>		<b>FY 2016 OCO</b>		<b>FY 2016 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Prior Years</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>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
<b>Subtotal</b>			0.833	0.116		-		-		-		-	-	0.949	-
<b>Test and Evaluation (\$ in Millions)</b>				<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016 Base</b>		<b>FY 2016 OCO</b>		<b>FY 2016 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Prior Years</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>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
Oper Test & Eval	WR	COMOPTEVFOR : Norfolk, VA	7.112	2.765	Oct 2013	0.656	Jun 2015	-		-		-	-	10.533	-
Development Testing	WR	NAWCWD : China Lake, CA	0.000	-		-		3.200	Nov 2015	-		3.200	11.001	14.201	-
Prior year T&E cost no longer funded in the FYDP	Various	Various : Various	39.952	-		-		-		-		-	-	39.952	-
<b>Subtotal</b>			47.064	2.765		0.656		3.200		-		3.200	11.001	64.686	-
<b>Management Services (\$ in Millions)</b>				<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016 Base</b>		<b>FY 2016 OCO</b>		<b>FY 2016 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Prior Years</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>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
Transportation - Material	WR	NAVAIR : Patuxent River, MD	0.241	0.083	Oct 2013	0.075	Oct 2014	0.050	Oct 2015	-		0.050	-	0.449	-
Travel - Obligation throughout the year	WR	NAWCAD : Patuxent River, MD	2.621	0.168	Oct 2013	0.150	Oct 2014	0.037	Oct 2015	-		0.037	0.111	3.087	-
Prior Year Mgmt cost no longer funded in the FYDP	Various	Various : Various	8.033	-		-		-		-		-	-	8.033	-
<b>Subtotal</b>			10.895	0.251		0.225		0.087		-		0.087	0.111	11.569	-
			<b>Prior Years</b>	<b>FY 2014</b>		<b>FY 2015</b>		<b>FY 2016 Base</b>		<b>FY 2016 OCO</b>		<b>FY 2016 Total</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
<b>Project Cost Totals</b>			334.171	16.488		37.258		76.016		-		76.016	134.628	598.561	-
<b>Remarks</b>															



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Exhibit R-4, RDT&E Schedule Profile: PB 2016 Navy

Date: February 2015

Appropriation/Budget Activity

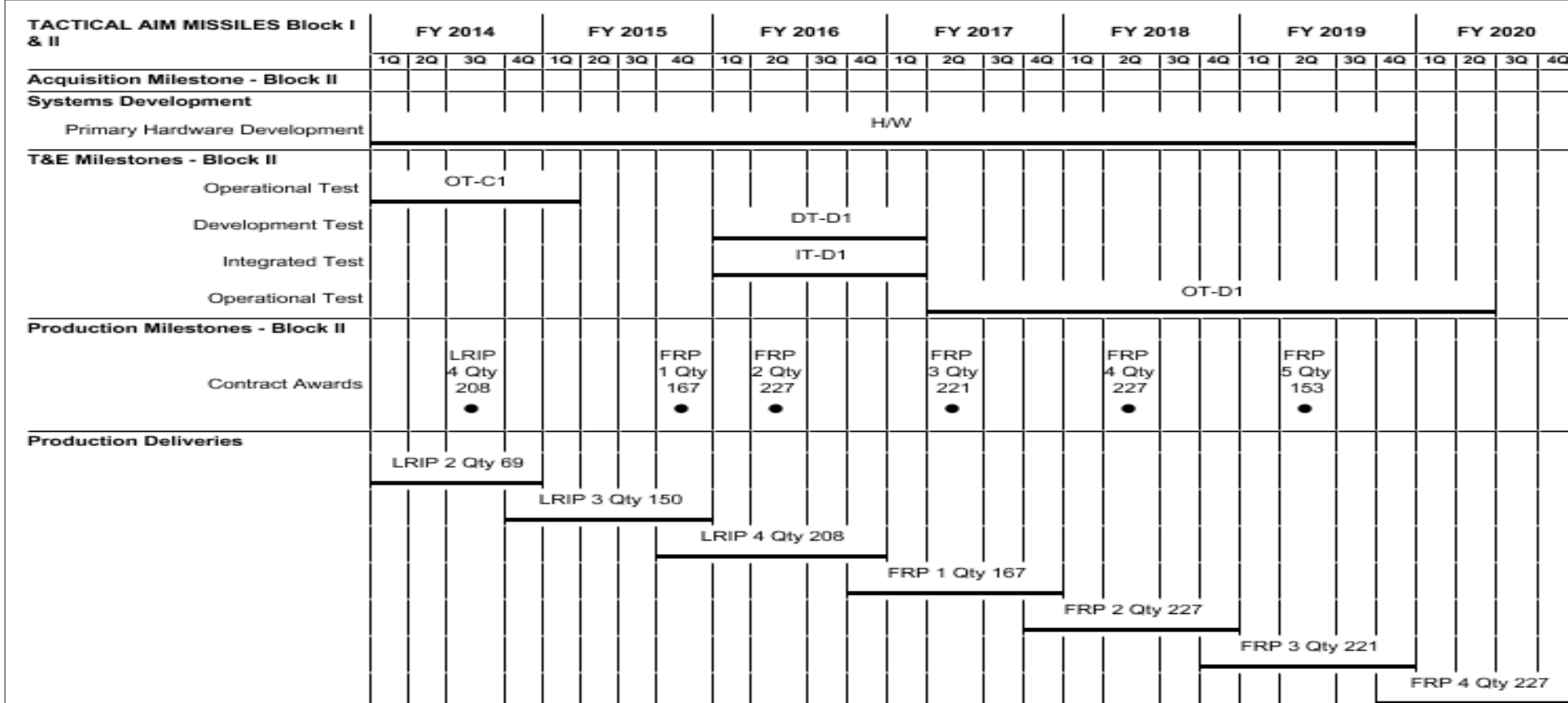
1319 / 7

R-1 Program Element (Number/Name)

PE 0207161N / *Tactical Aim Missiles*

Project (Number/Name)

0457 / AIM-9X



2016PB - 0207161N - 0457

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2016 Navy			<b>Date:</b> February 2015
<b>Appropriation/Budget Activity</b> 1319 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0207161N / <i>Tactical Aim Missiles</i>	<b>Project (Number/Name)</b> 0457 / AIM-9X	

**Schedule Details**

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b>TACTICAL AIM MISSILES Block I &amp; II</b>				
Systems Development: Primary Hardware Development: Hardware Development (Design, Development, Qual of H/W Improvements)	1	2014	4	2019
T&E Milestones - Block II: Operational Test: v9.3 Operational Test (OT-C1)	1	2014	1	2015
T&E Milestones - Block II: Development Test: v9.4 Development Test (DT-D1)	1	2016	1	2017
T&E Milestones - Block II: Integrated Test: v9.4 Integrated Test (IT-D1)	1	2016	1	2017
T&E Milestones - Block II: Operational Test: v9.4 Operational Test (OT-D1)	2	2017	2	2020
Production Milestones - Block II: Contract Awards: Low Rate Initial Production (LRIP 4) (WPN) Award / LRIP 4 Qty 208	3	2014	3	2014
Production Milestones - Block II: Contract Awards: Full Rate Production (FRP 1) Award / FRP 1 Qty 167	4	2015	4	2015
Production Milestones - Block II: Contract Awards: Full Rate Production (FRP 2) Award / FRP 2 Qty 227	2	2016	2	2016
Production Milestones - Block II: Contract Awards: Full Rate Production (FRP 3) Award / FRP 3 Qty 221	2	2017	2	2017
Production Milestones - Block II: Contract Awards: Full Rate Production (FRP 4) Award / FRP 4 Qty 227	2	2018	2	2018
Production Milestones - Block II: Contract Awards: Full Rate Production (FRP 5) Award / FRP 5 Qty 153	2	2019	2	2019
Production Deliveries: Low Rate Initial Production Lot 12 / LRIP 2 Qty 69	1	2014	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 208	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 227	4	2017	4	2018
Production Deliveries: Full Rate Production Lot 17 FRP 3 Qty 221	4	2018	4	2019

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Exhibit R-4A, RDT&E Schedule Details: PB 2016 Navy			Date: February 2015		
Appropriation/Budget Activity 1319 / 7		R-1 Program Element (Number/Name) PE 0207161N / Tactical Aim Missiles		Project (Number/Name) 0457 / AIM-9X	
		Start		End	
Events by Sub Project		Quarter	Year	Quarter	Year
Production Deliveries: Full Rate Production Lot 18 FRP 4 Qty 227		4	2019	4	2020

**UNCLASSIFIED**

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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 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
0458: AIM-9X Block III	0.973	1.030	-	-	-	-	-	-	-	-	-	2.003
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification												
The AIM-9X Block III program funding was eliminated; the program has been cancelled in FY 2015. Hardware updates to improve Insensitive Munition performance have been moved to the Block II program.												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)								FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title: Product Development								1.019	-	-	-	-
								Articles: -	-	-	-	-
Description: The AIM-9X Block III program has been cancelled in FY 2015, and the hardware updates to improve Insensitive Munitions (IM) performance have been moved to the Block II program.												
								FY 2014 Accomplishments:				
								Begin Engineering Manufacturing Development (EMD) of the AIM-9X Block III with completion of risk reduction activities. 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 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:				
								N/A				
FY 2016 Base Plans:												
N/A												
FY 2016 OCO Plans:												

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<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>					
	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
N/A					
<b>Title:</b> Transportation & Travel for Program Management  <b>FY 2014 Accomplishments:</b> Management support, transportation of government furnished materials, and travel costs associated with supporting the AIM-9X Block III missile program.  <b>FY 2015 Plans:</b> N/A  <b>FY 2016 Base Plans:</b> N/A  <b>FY 2016 OCO Plans:</b> N/A	0.011 <b>Articles:</b> -	- -	- -	- -	- -
<b>Accomplishments/Planned Programs Subtotals</b>	1.030	-	-	-	-
<b>C. Other Program Funding Summary (\$ in Millions)</b>					
N/A					
<b>Remarks</b>					
<b>D. Acquisition Strategy</b>					
N/A					
<b>E. Performance Metrics</b>					
N/A					

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Navy												Date: February 2015			
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>					
Product Development (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 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 Gov't In-House Support	WR	NAWCAD : Patuxent River, MD	0.000	0.404	Nov 2013	-		-		-		-	-	0.404	-
Blk III Gov't In-House Support	C/BA	NAWCWD : China Lake, CA	0.000	0.615	Nov 2013	-		-		-		-	-	0.615	-
Subtotal			0.000	1.019		-		-		-		-	-	1.019	-
Remarks The AIM-9X Block III program has been cancelled in FY 2015, and the hardware updates to improve Insensitive Munitions performance have been moved to the Block II program.															
Support (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 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
Prior Year Support Costs	C/CPFF	Lockheed Martin : Fort Worth, TX	0.970	-		-		-		-		-	-	0.970	0.970
Subtotal			0.970	-		-		-		-		-	-	0.970	0.970
Remarks This line funded a a one-time study at Lockheed Martin to analyze missile weight on the F-35.															
Management Services (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 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 Travel- Obligation throughout the year	WR	NAVAIR : Patuxent River, MD	0.003	0.011	Oct 2013	-		-		-		-	-	0.014	-
Subtotal			0.003	0.011		-		-		-		-	-	0.014	-
			Prior Years	FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			0.973	1.030		-		-		-		-	-	2.003	-

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Navy							Date: February 2015			
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>			
	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Cost To Complete	Total Cost	Target Value of Contract	
Remarks										

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<b>Exhibit R-4, RDT&amp;E Schedule Profile:</b> PB 2016 Navy	<b>Date:</b> February 2015
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<b>Appropriation/Budget Activity</b> 1319 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0207161N / <i>Tactical Aim Missiles</i>	<b>Project (Number/Name)</b> 0458 / <i>AIM-9X Block III</i>
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TACTICAL AIM MISSILES Block III	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020			
	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
Studies & Analysis																												
Systems Development - Blk III																												

2016PB - 0207161N - 0458



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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2016 Navy			<b>Date:</b> February 2015
<b>Appropriation/Budget Activity</b> 1319 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0207161N / <i>Tactical Aim Missiles</i>	<b>Project (Number/Name)</b> 0458 / <i>AIM-9X Block III</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b><i>TACTICAL AIM MISSILES Block III</i></b>				
Studies & Analysis: Threat Assessment & Requirement Analysis	3	2014	2	2015
Systems Development - Blk III: IM Risk Reduction (Warhead + Rocket Motor)	1	2014	4	2014