

**UNCLASSIFIED**

PE NUMBER: 0604330F

PE TITLE: Joint Dual-Role Air Dominance Missile (JDRADM)

<b>Exhibit R-2, RDT&amp;E Budget Item Justification</b>	DATE <b>May 2009</b>
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<b>BUDGET ACTIVITY</b> <b>04 Advanced Component Development and Prototypes (ACD&amp;P)</b>	<b>PE NUMBER AND TITLE</b> <b>0604330F Joint Dual-Role Air Dominance Missile (JDRADM)</b>
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Cost (\$ in Millions)	FY 2008 Actual	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	0.000	0.000	6.882	0.000	0.000	0.000	0.000	0.000	Continuing	TBD
5342 Concept Development	0.000	0.000	6.882	0.000	0.000	0.000	0.000	0.000	Continuing	TBD

Note: This effort was a new start in FY09 in AMRAAM PE 0207163F.

**(U) A. Mission Description and Budget Item Justification**

The Joint Dual Role Air Dominance Missile (JDRADM) is envisioned as a multi-role (air-to-air & air-to-ground) missile for the 5th generation fighter force structure. It will provide increased flexibility, standoff range, and lethality to defeat 2020+ air and surface threats. It is intended for internal carriage on the F-22A and F-35, and external carriage on selected legacy aircraft.

The FY10 PB funding request is critical to ensuring JDRADM requirements, concepts and critical technologies are adequately assessed to support the next phase of the program.

Note: The JDRADM effort was a new start in FY09 under PE 0207163F.

**(U) B. Program Change Summary (\$ in Millions)**

	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
(U) Previous President's Budget	0.000	0.000	0.000
(U) Current PBR/President's Budget	0.000	0.000	6.882
(U) Total Adjustments	0.000	0.000	
(U) Congressional Program Reductions			
Congressional Rescissions			
Congressional Increases			
Reprogrammings			
SBIR/STTR Transfer			

**(U) Significant Program Changes:**

This is a new PE with initial program funding used for risk reduction studies and Materiel Solution Analysis . This was a new start effort in FY 09 for \$7M in the AMRAAM PE 0207163F.

**Exhibit R-2a, RDT&E Project Justification**

DATE  
**May 2009**

BUDGET ACTIVITY <b>04 Advanced Component Development and Prototypes (ACD&amp;P)</b>				PE NUMBER AND TITLE <b>0604330F Joint Dual-Role Air Dominance Missile (JDRADM)</b>				PROJECT NUMBER AND TITLE <b>5342 Concept Development</b>		
Cost (\$ in Millions)	FY 2008 Actual	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost to Complete	Total
5342 Concept Development	0.000	0.000	6.882	0.000	0.000	0.000	0.000	0.000	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0		

Note: FY09 funding of \$7M resides in the AMRAAM PE (0207163F).

**(U) A. Mission Description and Budget Item Justification**

The Joint Dual Role Air Dominance Missile (JDRADM) is envisioned as a multi-role (air-to-air & air-to-ground) missile for the 5th generation fighter force structure. It will provide increased flexibility, standoff range, and lethality to defeat 2020+ air and surface threats. It is intended for internal carriage on the F-22A and F-35, and external carriage on selected legacy aircraft.

The FY10 PB funding request is critical to ensuring JDRADM requirements, concepts and critical technologies are adequately assessed to support the next phase of the program.

Note: The JDRADM effort was a new start in FY09 under PE 0207163F.

**(U) B. Accomplishments/Planned Program (\$ in Millions)**

	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
(U) Risk Reduction Studies	0.000	0.000	2.000
(U) Materiel Solution Analysis (MSA)	0.000	0.000	4.482
(U) Program Management and Support	0.000	0.000	0.400
(U) Total Cost	0.000	0.000	6.882

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

	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>Cost to</u>	<u>Total Cost</u>
	<u>Actual</u>	<u>Estimate</u>	<u>Complete</u>							
(U) PE 0207163F, AMRAAM		7.000								7.000

**(U) D. Acquisition Strategy**

JDRADM is in the pre-Materiel Solution Analysis (MSA) phase of acquisition. Risk reduction and critical technology maturity efforts supported by the Air Force Research Lab (AFRL) are on-going. Development of the JDRADM acquisition/contract strategy and formalizing requirements are also in work. These efforts will lead to MSA, Technology Development (TD), and Engineering and Manufacturing Development (EMD).

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**Exhibit R-3, RDT&E Project Cost Analysis**

DATE

**May 2009**

BUDGET ACTIVITY				PE NUMBER AND TITLE					PROJECT NUMBER AND TITLE			
<b>04 Advanced Component Development and Prototypes (ACD&amp;P)</b>				<b>0604330F Joint Dual-Role Air Dominance Missile (JDRADM)</b>					<b>5342 Concept Development</b>			
(U) Cost Categories (Tailor to WBS, or System/Item Requirements) (\$ in Millions)	<u>Contract Method &amp; Type</u>	<u>Performing Activity &amp; Location</u>	<u>Total Prior to FY 2008 Cost</u>	<u>FY 2008 Cost</u>	<u>FY 2008 Award Date</u>	<u>FY 2009 Cost</u>	<u>FY 2009 Award Date</u>	<u>FY 2010 Cost</u>	<u>FY 2010 Award Date</u>	<u>Cost to Complete</u>	<u>Total Cost</u>	<u>Target Value of Contract</u>
(U) <u>Product Development</u>												
Risk Reduction Studies								2.000	Dec-09		2.000	
Materiel Solution Analysis								4.482	Mar-10		4.482	
Subtotal Product Development			0.000	0.000		0.000		6.482		0.000	6.482	0.000
Remarks:												
(U) <u>Support</u>											0.000	
Subtotal Support			0.000	0.000		0.000		0.000		0.000	0.000	0.000
Remarks:												
(U) <u>Test &amp; Evaluation</u>											0.000	
Subtotal Test & Evaluation			0.000	0.000		0.000		0.000		0.000	0.000	0.000
Remarks:												
(U) <u>Management</u>											0.400	
Program Management and Admin	T&M	Various						0.400			0.400	
Subtotal Management			0.000	0.000		0.000		0.400		0.000	0.400	0.000
Remarks:												
(U) Total Cost			0.000	0.000		0.000		6.882		0.000	6.882	0.000

Exhibit R-4, RDT&E Schedule Profile

DATE

May 2009

BUDGET ACTIVITY

04 Advanced Component Development and Prototypes (ACD&P)

PE NUMBER AND TITLE

0604330F Joint Dual-Role Air Dominance Missile (JDRADM)

PROJECT NUMBER AND TITLE

5342 Concept Development

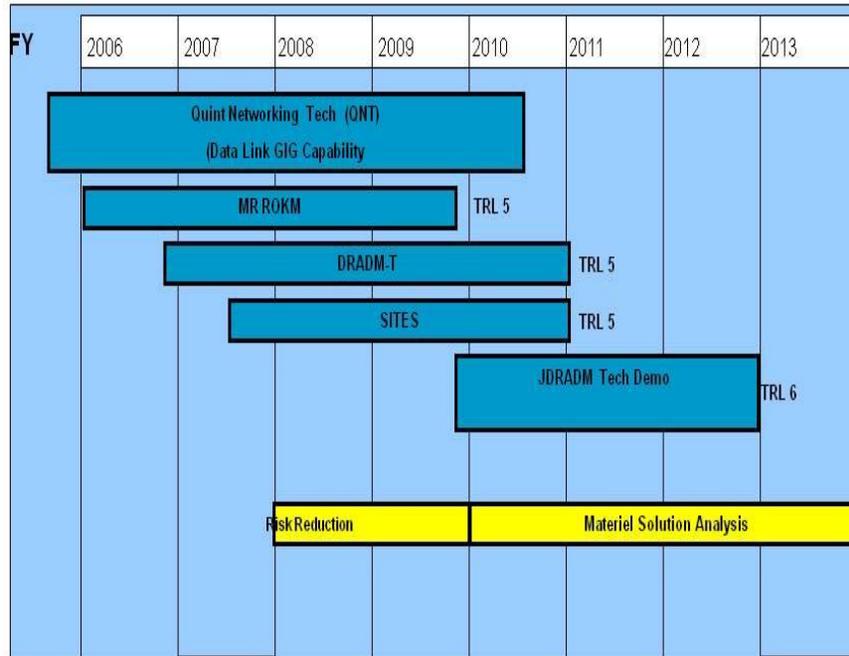


Exhibit R-4a, RDT&E Schedule Detail

DATE

May 2009

BUDGET ACTIVITY

04 Advanced Component Development and Prototypes (ACD&P)

PE NUMBER AND TITLE

0604330F Joint Dual-Role Air  
Dominance Missile (JDRADM)

PROJECT NUMBER AND TITLE

5342 Concept Development

(U) **Schedule Profile**

FY 2008

FY 2009

FY 2010

(U) Risk reduction study contract award

2Q

(U) Material Solution Analysis Contract Award

1Q

(U) Material Solution Analysis

2-4Q

Note: Initial risk reduction efforts shown on the R-4 schedule profile in FY08 are funded through the lab (6.3 funds).

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