

**UNCLASSIFIED**

PE NUMBER: 0207249F  
 PE TITLE: Precision Attack Systems

<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>07 Operational System Development</b>	<b>PE NUMBER AND TITLE</b> <b>0207249F Precision Attack Systems</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	2.950	0.000	0.000	0.000	0.000	0.000	Continuing	TBD
5347 Advanced Targeting Pod	0.000	0.000	2.950	0.000	0.000	0.000	0.000	0.000	Continuing	TBD

In FY2010, Project 675347, Advanced Targeting Pod includes new start efforts.

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

This program was originally developed for the Low Altitude Navigation and Targeting Infrared for Night (LANTIRN) pod however all development for this program has been completed.

Advanced Targeting Pods (ATPs) provide long-range target acquisition and expanded weapon delivery envelopes for greater aircraft survivability. ATPs feature an infrared (IR) sensor, charged coupled device television (CCD-TV), laser designator, eye-safe laser, laser spot tracker, infrared marker, and real-time Video Data Link (VDL) for connectivity with ground forces. As non-developmental items, the majority of improvements to ATPs are the result of investments made by industry Internal Research and Development (IRAD). In addition to operational flight program (OFP) development, this funding provides for the development and integration of capabilities which are either above the capabilities of the industrial base or that require accelerated development timelines in order to meet operational requirements. Data-linking is one such area where there is an identified gap between industrial capabilities and operational requirements. Additional development efforts will be structured to support the documented ATP requirements as well as urgent operational needs (UONs) as they become known.

The Advanced Targeting Pod program is assigned budget activity (BA) code 07 because this developmental work upgrades an existing weapons system.

**(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
(U) Current PBR/President's Budget	0.000	0.000	3.000
(U) Total Adjustments	0.000	0.000	
(U) Congressional Program Reductions			
Congressional Rescissions			
Congressional Increases			
Reprogrammings			
SBIR/STTR Transfer			

**(U) Significant Program Changes:**

FY10-FY11 funds added to Advanced Targeting Pod (BPAC 675347) for capability improvement and software development.

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

DATE  
**May 2009**

BUDGET ACTIVITY <b>07 Operational System Development</b>					PE NUMBER AND TITLE <b>0207249F Precision Attack Systems</b>			PROJECT NUMBER AND TITLE <b>5347 Advanced Targeting Pod</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
5347 Advanced Targeting Pod	0.000	0.000	2.950	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		

In FY2010, Project 675347, Advanced Targeting Pod includes new start efforts.

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

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Advanced Targeting Pods (ATPs) provide long-range target acquisition and expanded weapon delivery envelopes for greater aircraft survivability. ATPs feature an infrared (IR) sensor, charged coupled device television (CCD-TV), laser designator, eye-safe laser, laser spot tracker, infrared marker, and real-time Video Data Link (VDL) for connectivity with ground forces. As non-developmental items, the majority of improvements to ATPs are the result of investments made by industry Internal Research and Development (IRAD). In addition to operational flight program (OFP) development, this funding provides for the development and integration of capabilities which are either above the capabilities of the industrial base or that require accelerated development timelines in order to meet operational requirements. Data-linking is one such area where there is an identified gap between industrial capabilities and operational requirements. Additional development efforts will be structured to support the documented ATP requirements as well as urgent operational needs (UONs) as they become known.

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

	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
(U) Technology Improvement and Operational Flight Program (OFP) Updates			2.850
(U) Flight Test			
(U) Mission Support, Other Government Cost			0.150
(U) Total Cost	0.000	0.000	3.000

**(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) APPN (PE 0207249F Precision Attack Systems Procurement)	161.865	121.228	53.610	173.705	120.679	78.339	79.904	81.502	Continuing	TBD

**(U) D. Acquisition Strategy**

Funds will primarily be executed in developing improved capability and maintenance mods. Operational Flight Program (OFP) software will be continuously updated to complement mod development efforts.

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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>07 Operational System Development</b>				<b>0207249F Precision Attack Systems</b>					<b>5347 Advanced Targeting Pod</b>			
(U) <u>Cost Categories</u> (Tailor to WBS, or System/Item Requirements) (\$ in Millions)	<u>Contract</u> <u>Method &amp;</u> <u>Type</u>	<u>Performing</u> <u>Activity &amp;</u> <u>Location</u>	<u>Total</u> <u>Prior to FY</u> <u>2008</u> <u>Cost</u>	<u>FY 2008</u> <u>Cost</u>	<u>FY 2008</u> <u>Award</u> <u>Date</u>	<u>FY 2009</u> <u>Cost</u>	<u>FY 2009</u> <u>Award</u> <u>Date</u>	<u>FY 2010</u> <u>Cost</u>	<u>FY 2010</u> <u>Award</u> <u>Date</u>	<u>Cost to</u> <u>Complete</u>	<u>Total Cost</u>	<u>Target Value</u> <u>of Contract</u>
(U) <u>Product Development</u>												
Technology Improvement & OFP Updates								2.850			2.850	TBD
Subtotal Product Development			0.000	0.000		0.000		2.850		0.000	2.850	TBD
Remarks:												
(U) <u>Support</u>												
Mission Support								0.100			0.100	
Subtotal Support			0.000	0.000		0.000		0.100		0.000	0.100	0.000
Remarks:												
(U) <u>Test &amp; Evaluation</u>												
Flight Test											0.000	
Subtotal Test & Evaluation			0.000	0.000		0.000		0.000		0.000	0.000	0.000
Remarks:												
(U) <u>Management</u>												
Program Management								0.050			0.050	
Subtotal Management			0.000	0.000		0.000		0.050		0.000	0.050	0.000
Remarks:												
(U) Total Cost			0.000	0.000		0.000		3.000		0.000	3.000	TBD

Exhibit R-4, RDT&E Schedule Profile

DATE

May 2009

BUDGET ACTIVITY  
07 Operational System Development

PE NUMBER AND TITLE  
0207249F Precision Attack Systems

PROJECT NUMBER AND TITLE  
5347 Advanced Targeting Pod

# Advanced Targeting Pod Technology Insertion Roadmap

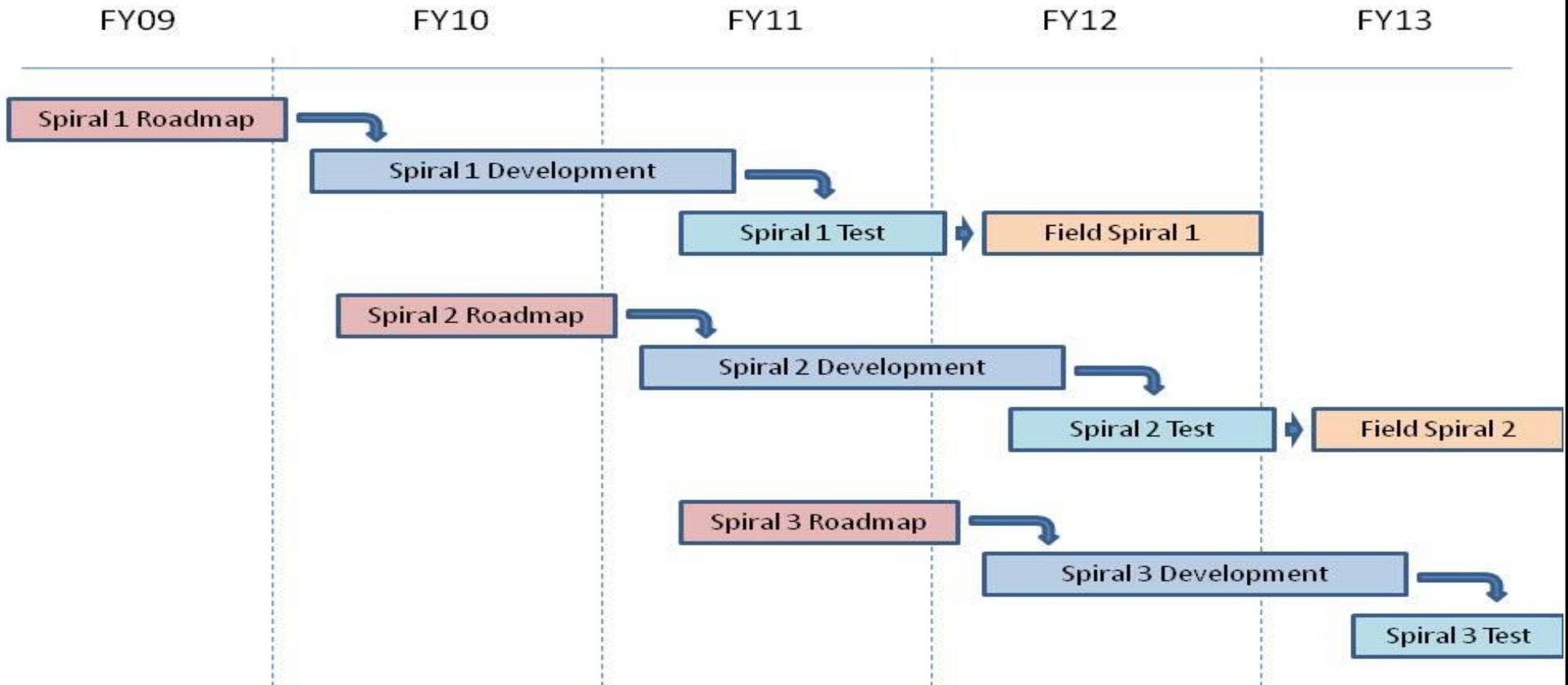


Exhibit R-4, RDT&E Schedule Profile

DATE

May 2009

BUDGET ACTIVITY  
07 Operational System Development

PE NUMBER AND TITLE  
0207249F Precision Attack Systems

PROJECT NUMBER AND TITLE  
5347 Advanced Targeting Pod

# Advanced Targeting Pod Technology Insertion Roadmap

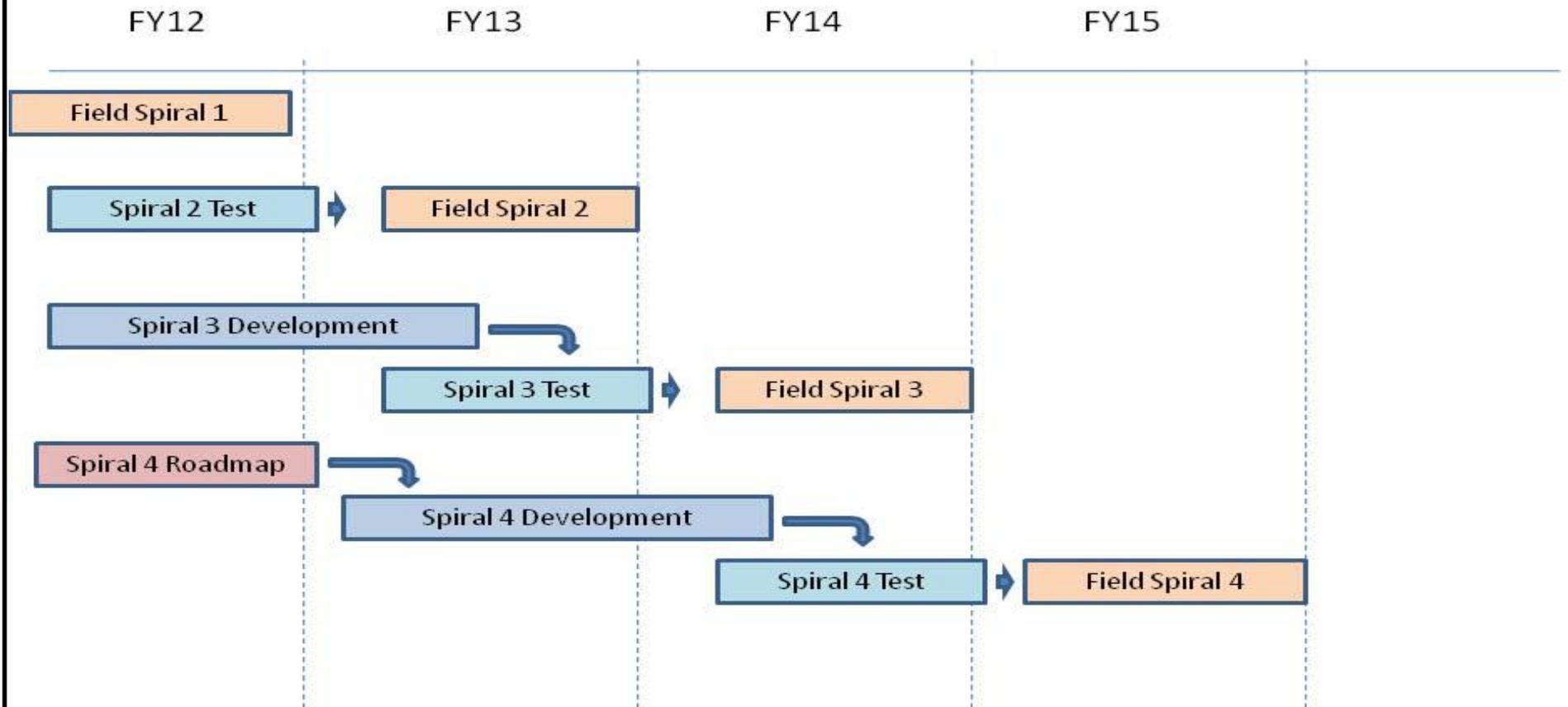


Exhibit R-4a, RDT&E Schedule Detail

DATE

May 2009

BUDGET ACTIVITY

07 Operational System Development

PE NUMBER AND TITLE

0207249F Precision Attack Systems

PROJECT NUMBER AND TITLE

5347 Advanced Targeting Pod

(U) Schedule Profile

FY 2008

FY 2009

FY 2010

(U) OFP Development, continuous

1-4Q