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Exhibit R-2, RDT&E Budget Item Justification: PB 2012 Air Force **DATE:** February 2011

APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE							
3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>				PE 0207249F: <i>Precision Attack Systems</i>							
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
Total Program Element	2.788	3.017	3.128	-	3.128	3.335	3.292	3.372	3.431	Continuing	Continuing
675347: <i>Advanced Targeting Pod</i>	2.788	3.017	3.128	-	3.128	3.335	3.292	3.372	3.431	Continuing	Continuing

A. Mission Description and Budget Item Justification

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 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 became known.

This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

B. Program Change Summary (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Previous President's Budget	2.950	3.017	3.101	-	3.101
Current President's Budget	2.788	3.017	3.128	-	3.128
Total Adjustments	-0.162	-	0.027	-	0.027
• Congressional General Reductions		-			
• Congressional Directed Reductions		-			
• Congressional Rescissions	-	-			
• Congressional Adds		-			
• Congressional Directed Transfers		-			
• Reprogrammings	-0.064	-			
• SBIR/STTR Transfer	-0.086	-			
• Other Adjustments	-0.012	-	0.027	-	0.027

Change Summary Explanation

No significant changes.

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Air Force									DATE: February 2011			
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0207249F: Precision Attack Systems				PROJECT 675347: Advanced Targeting Pod				
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost	
675347: Advanced Targeting Pod	2.788	3.017	3.128	-	3.128	3.335	3.292	3.372	3.431	Continuing	Continuing	
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0			
A. Mission Description and Budget Item Justification												
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 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 became known.												
This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.												
B. Accomplishments/Planned Programs (\$ in Millions)								FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Title: Requirements								2.788	3.017	3.128	-	3.128
Description: Technology Improvements, Operational Flight Program (OFP) Updates and Requirements Definition												
FY 2010 Accomplishments: Technology Improvements, Operational Flight Program (OFP) Updates and Requirements Definition												
FY 2011 Plans: Technology Improvements, Operational Flight Program (OFP) Updates and Requirements Definition												
FY 2012 Base Plans: Technology Improvements, Operational Flight Program (OFP) Updates and Requirements Definition												
FY 2012 OCO Plans:												
Accomplishments/Planned Programs Subtotals								2.788	3.017	3.128	-	3.128

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Air Force			DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0207249F: <i>Precision Attack Systems</i>	PROJECT 675347: <i>Advanced Targeting Pod</i>	

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

<u>Line Item</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>FY 2012</u> <u>Base</u>	<u>FY 2012</u> <u>OCO</u>	<u>FY 2012</u> <u>Total</u>	<u>FY 2013</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• PE 0207249F: <i>Precision Attack Systems APAF, Procurement</i>	258.669	296.850	31.335	38.000	69.335	38.442	36.347	36.955	37.013	Continuing	Continuing

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.

E. Performance Metrics

Please refer to the Performance Base Budget Overview Book for information on how Air Force resources are applied and how those resources are contributing to Air Force performance goals and most importantly, how they contribute to our mission.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Air Force											DATE: February 2011		
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0207249F: Precision Attack Systems				PROJECT 675347: Advanced Targeting Pod					
Product Development (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Technology Improvement & OFP Updates	C/FFP	Multiple:,	1.622	2.817	Mar 2011	1.978		-		1.978	Continuing	Continuing	TBD
Technology Improvement	TBD	TBD:,	0.608	-		-		-		-	0.000	0.608	0.000
Radio Based Combat Identification (RBCI) Capability	TBD	TBD:,	0.558	-		-		-		-	0.000	0.558	0.000
Subtotal			2.788	2.817		1.978		-		1.978			
Support (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Mission Support	TBD	Multiple:,	-	0.100		0.400		-		0.400	Continuing	Continuing	TBD
Subtotal			-	0.100		0.400		-		0.400			
Test and Evaluation (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Test	TBD	AFFTC:Edwards AFB, CA	-	0.100		0.500		-		0.500	Continuing	Continuing	TBD
Subtotal			-	0.100		0.500		-		0.500			
Management Services (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management	TBD	Multiple:,	-	-		0.250		-		0.250	Continuing	Continuing	TBD
Subtotal			-	-		0.250		-		0.250			

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				Total Prior Years Cost	FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals				2.788	3.017		3.128		-		3.128			

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2012 Air Force		DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0207249F: <i>Precision Attack Systems</i>	PROJECT 675347: <i>Advanced Targeting Pod</i>

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Exhibit R-4A, RDT&E Schedule Details: PB 2012 Air Force			DATE: February 2011
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Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
ATP-SE Spiral Development - Spiral 1 Development	1	2010	2	2011
ATP-SE Spiral 1 Test	1	2011	1	2012
ATP-SE Spiral 1 Fielding	2	2012	1	2013
Spiral 2 Development	1	2011	2	2012
Spiral 2 Testing	1	2012	1	2013
Spiral 2 Fielding	1	2013	4	2013
Spiral 3 Development	1	2012	2	2013
Spiral 3 Testing	2	2013	1	2014
Spiral 3 Fielding	2	2014	4	2014
Spiral 4 Development	1	2013	2	2014
Spiral 4 Testing	1	2014	4	2014
Spiral 4 Fielding	1	2015	4	2015

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