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Exhibit R-2, RDT&E Budget Item Justification: PB 2016 Air Force										Date: February 2015		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 5: System Development & Demonstration (SDD)					R-1 Program Element (Number/Name) PE 0605214F I Ground Attack Weapons Fuze Development							
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	-	-	5.332	3.598	-	3.598	0.946	-	-	-	-	9.876
655313: Hard Target Void Sensing Fuze	-	-	5.332	3.598	-	3.598	0.946	-	-	-	-	9.876
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

In FY 2015, 655313, Hard Target Void Sensing Fuze, efforts were transferred from PE 0604635F, Ground Attack Weapons Fuze Development, 645312, Hard Target Void Sensing Fuze, in order to properly align the funds in the correct Budget Activity, BA05, which supports Engineering, Manufacturing, and Development (EMD).

A. Mission Description and Budget Item Justification

This program was created to include the whole spectrum of general purpose and specialized fuze development, resulting in commodity fuzes for use with air-to-ground weapons.

The Hard Target Void Sensing Fuze (HTVSF) is an advanced system designed to provide fuzing and void sensing functions for legacy penetrator weapons to destroy hardened targets protected by multiple layers of soil and/or reinforced concrete. The HTVSF will also provide in-flight cockpit programmability, safing and arming, multi-function (time delay and void sensing) and multi-delay arming. Program Element funding currently supports the Engineering, Manufacturing, and Development (EMD) effort for HTVSF.

This program is in Budget Activity 5, System Development and Demonstration (SDD) because it has passed Milestone B approval and is conducting engineering and manufacturing development tasks aimed at meeting validated requirements prior to full rate production.

B. Program Change Summary (\$ in Millions)	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Previous President's Budget	-	5.332	3.622	-	3.622
Current President's Budget	-	5.332	3.598	-	3.598
Total Adjustments	-	-	-0.024	-	-0.024
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Other Adjustments	-	-	-0.024	-	-0.024

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<u>Change Summary Explanation</u> No Significant Program Changes											
C. Accomplishments/Planned Programs (\$ in Millions)									FY 2014	FY 2015	FY 2016
Title: HTVSF Test Support Description: BLU-109/BLU-113 follow-on testing; post-Milestone C (MS C) development. FY 2014 Accomplishments: Not Applicable FY 2015 Plans: Operational Test Support; also BLU-109/BLU-113 follow-on testing and post-MS C development requirements as derived from the MS C decision FY 2016 Plans: BLU-109/BLU-113 follow-on testing and post-MS C development requirements as derived from the MS C decision									-	4.536	3.598
Title: Program Management Administration Description: TEAS,TAMS,Travel and Government Purchase Card (GPC) FY 2014 Accomplishments: Not Applicable FY 2015 Plans: TEAS,TAMS,Travel and Government Purchase Card (GPC) FY 2016 Plans: Not Applicable									-	0.796	-
Accomplishments/Planned Programs Subtotals									-	5.332	3.598
D. 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
• RDTE: BA04: PE 0604635F: Ground Attack Weapons Fuze Development	17.271	-	-	-	-	-	-	-	-	-	-

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D. 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>
• PAAF: BA01: Line Item # 356120: <i>Fuzes</i>	-	13.280	31.451	-	31.451	25.013	28.013	-	-	-	-
Remarks - PAAF dollars in War Reserve Materiel (WRM; Fuzes) fund initial procurement of 400/474/1574/2552 units for FY15 - FY18. - Navy PE 050120 to fund 50/225/225 units FY16-FY18.											
E. Acquisition Strategy EMD Awarded to Alliant TechSystems Operations LLC Estimated Contract completion date: 31 Mar 2015 Fixed Price Incentive Firm Estimated Contract Length - 48 months											
F. 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 2016 Air Force													Date: February 2015		
Appropriation/Budget Activity 3600 / 5						R-1 Program Element (Number/Name) PE 0605214F / <i>Ground Attack Weapons Fuze Development</i>				Project (Number/Name) 655313 / <i>Hard Target Void Sensing Fuze</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
Subtotal			-	-	-	-	-	-	-	-	-	-	-	-	-

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
Program Management Administration	Various	EGLIN AFB : EGLIN AFB, FL	-	-		0.796	Oct 2014	-		-		-	Continuing	Continuing	-
Subtotal			-	-		0.796		-		-		-	-	-	-

Test and Evaluation (\$ 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
Target build and sled/flight test	Various	Eglin AFB (96 TW) / Holloman AFB / White Sands Missile Range : Various,	-	-		4.536	Jan 2015	3.598	Jan 2016	-		3.598	Continuing	Continuing	-
Subtotal			-	-		4.536		3.598		-		3.598	-	-	-

Remarks															
Various locations to include: Eglin AFB, Fort Walton Beach FL; Holloman AFB, Alamogordo NM; White Sands Missile Range, Las Cruces NM															

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
Subtotal			-	-		-		-		-		-	-	-	-

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Appropriation/Budget Activity 3600 / 5					R-1 Program Element (Number/Name) PE 0605214F / Ground Attack Weapons Fuze Development					Project (Number/Name) 655313 / Hard Target Void Sensing Fuze							
					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					-	-		5.332		3.598		-		3.598	-	-	-

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2016 Air Force			Date: February 2015		
Appropriation/Budget Activity 3600 / 5		R-1 Program Element (Number/Name) PE 0605214F / <i>Ground Attack Weapons Fuze Development</i>			Project (Number/Name) 655313 / <i>Hard Target Void Sensing Fuze</i>

	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Engineering, Manufacturing, and Development (EMD) Design FA8681-11-C-0039 25 Mar 2011-31 Mar 2015 Extension of EMD																												
Soil Box Flight Test																												
GBU-28 Sled Test																												
BLU-113 Flight Test DT																												
Milestone C																												
Follow-on Testing/Development																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2016 Air Force			Date: February 2015
Appropriation/Budget Activity 3600 / 5	R-1 Program Element (Number/Name) PE 0605214F / <i>Ground Attack Weapons</i> <i>Fuze Development</i>	Project (Number/Name) 655313 / <i>Hard Target Void Sensing Fuze</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Engineering, Manufacturing, and Development (EMD) Design FA8681-11-C-0039 25 Mar 2011-31 Mar 2015 Extension of EMD	1	2014	2	2015
Soil Box Flight Test	4	2014	4	2014
GBU-28 Sled Test	2	2015	2	2015
BLU-113 Flight Test DT	2	2015	2	2015
Milestone C	2	2015	2	2015
Follow-on Testing/Development	3	2015	1	2017