

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2020 Air Force										Date: February 2019		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 4: Advanced Component Development & Prototypes (ACD&P)					R-1 Program Element (Number/Name) PE 0207100F I Light Attack Armed Reconnaissance (LAAR) Squadrons							
COST (\$ in Millions)	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	Cost To Complete	Total Cost
Total Program Element	-	0.000	0.000	35.000	0.000	35.000	35.000	35.000	0.000	0.000	0.000	105.000
643865: Light Attack	-	0.000	0.000	35.000	0.000	35.000	35.000	35.000	0.000	0.000	0.000	105.000
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

PE 0207100F is not a new start. Experimentation prior year funding is currently being executed under BA04 PE 0604858F Tech Transition program. FY20 funds under this PE continues demonstration, prototype, and experimentation with technologies and concepts to enable or accelerate their transition to acquisition programs or operational use.

A. Mission Description and Budget Item Justification

The Light Attack Aircraft (LAA) platform increases combat capability and readiness at reduced operating costs for missions in permissive environments. LAA executes under a middle tier rapid fielding acquisition strategy pursuant to Section 804 of the FY16 National Defense Authorization Act. The LAA option offers flexibility and accelerates modernization of current and potential partner forces who do not require advanced fighter aircraft. The LAA effort supports the National Defense Strategy to counter violent extremism on a global scale, alongside allies and partners.

LAA squadrons will provide a deployable and sustainable multirole attack capability, capable of performing a diverse array of attack missions, including but not limited to, Close Air Support (CAS), Armed Reconnaissance, Strike Coordination and Reconnaissance (SCAR), Airborne Forward Air control (FAC-A), and Interdiction. Other tasks for which Light Attack aircraft is expected to be suitable include Combat Search and Rescue (CSAR), Rescue Escort (RESCORT), and Maritime Air Support (MAS). LAA squadrons executing these tasks allows our 4th and 5th Generation fighter fleets to implement a tailored training regimen to address declining core mission readiness and focus on preparing to deter or prevail in conflicts with peer adversaries. LAA will provide a deployable, persistent attack capability that can be employed with low footprint and light logistical support requirements.

The effort will experiment with additional aircraft and weapon technologies; tactics, techniques, and procedures (TTPs) and Joint Terminal Attack Controller training, as well as development of operational tactics of an exportable network with international partners.

Activities also include studies and analysis to support both current program planning and execution and future program planning. This program element may include necessary civilian pay expenses required to manage, execute, and deliver light attack capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605826F, 0605827F, 0605828F, 0605829F, 0605830F, 0605831F, 0605832F, 0605898F, and 0605833F.

As directed in the FY 2018 NDAA, Sec 825, amendment to PL 114-92 FY 2016 NDAA, Sec 828 Penalty for Cost Overruns, the FY 2018 Air Force penalty total is \$14.373M. The calculated percentage reduction to each research, development, test and evaluation and procurement account will be allocated proportionally from all programs, projects, or activities under such account.

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2020 Air Force				Date: February 2019		
Appropriation/Budget Activity		R-1 Program Element (Number/Name)				
3600: Research, Development, Test & Evaluation, Air Force I BA 4: Advanced Component Development & Prototypes (ACD&P)		PE 0207100F I Light Attack Armed Reconnaissance (LAAR) Squadrons				
This effort is in Budget Activity 4, Advanced Component Development and Prototypes (ACD&P), because efforts are necessary to evaluate integrated technologies, representative modes or prototype systems in a high fidelity and realistic operating environment.						
B. Program Change Summary (\$ in Millions)		FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total
Previous President's Budget		0.000	0.000	0.000	0.000	0.000
Current President's Budget		0.000	0.000	35.000	0.000	35.000
Total Adjustments		0.000	0.000	35.000	0.000	35.000
• Congressional General Reductions		0.000	0.000			
• Congressional Directed Reductions		0.000	0.000			
• Congressional Rescissions		0.000	0.000			
• Congressional Adds		0.000	0.000			
• Congressional Directed Transfers		0.000	0.000			
• Reprogrammings		0.000	0.000			
• SBIR/STTR Transfer		0.000	0.000			
• Other Adjustments		0.000	0.000	35.000	0.000	35.000
Change Summary Explanation						
FY20 funding increased to support further experimentation. Prior year funding of \$100M in 2018 RDT&E in PE 0604858F 'Tech Transition'.						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2018	FY 2019	FY 2020
Title: LAA				0.000	0.000	35.000
Description: Prior Year funding include \$100M of 2018 RDT&E in PE 0604858F 'Tech Transition'. Funds provided to demonstrate, prototype and experiment with technologies and concepts to enable or accelerate their transition to acquisition programs and/or operational use.						
FY 2019 Plans:						
None						
FY 2020 Plans:						
The effort will continue and expand the experiment to include low cost economical manned and unmanned aircraft, rotary wing, turbojet and turboprop platforms with experimentation focused on assessing the capabilities, limitations, and other aspects against requirements in support of Counter Violent Extremist Organizations (C-VEO) operations.						

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2020 Air Force								Date: February 2019			
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 4: Advanced Component Development & Prototypes (ACD&P)					R-1 Program Element (Number/Name) PE 0207100F I Light Attack Armed Reconnaissance (LAAR) Squadrons						
C. Accomplishments/Planned Programs (\$ in Millions)								FY 2018	FY 2019	FY 2020	
The effort will experiment with additional aircraft and weapon technologies; tactics, techniques, and procedures (TTPs) and Joint Terminal Attack Controller training, as well as development of operational tactics of an exportable network with international partners.											
FY 2019 to FY 2020 Increase/Decrease Statement: Funding provided to continue experimentation.											
Accomplishments/Planned Programs Subtotals								0.000	0.000	35.000	
D. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	Cost To Complete	Total Cost
• APAF 04 OAX000: Observation Attack Replacement (OA-X)	0.000	100.000	0.000	-	0.000	-	160.000	400.005	400.005	Continuing	Continuing
Remarks											
E. Acquisition Strategy											
The LAA acquisition strategy is anticipated to utilize other transaction agreements for prototyping purposes pursuant to 10 U.S.C. § 2371b.											
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.											

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2020 Air Force												Date: February 2019		
Appropriation/Budget Activity 3600 / 4				R-1 Program Element (Number/Name) PE 0207100F / <i>Light Attack Armed Reconnaissance (LAAR) Squadrons</i>				Project (Number/Name) 643865 / <i>Light Attack</i>						

Test and Evaluation (\$ in Millions)				FY 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 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
Experimentation	TBD	Not specified. : TBD	-	-		-		31.850	Dec 2019	-		31.850	Continuing	Continuing	-
Subtotal			-	-		-		31.850		-		31.850	Continuing	Continuing	N/A

Management Services (\$ in Millions)				FY 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 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
PMA: Other Govt Cost	Various	Various : Dayton, OH	-	-		-		3.150	Dec 2019	-		3.150	Continuing	Continuing	-
Subtotal			-	-		-		3.150		-		3.150	Continuing	Continuing	N/A

	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	-	-	0.000	35.000	-	35.000	Continuing	Continuing	N/A

Remarks

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2020 Air Force															Date: February 2019																										
Appropriation/Budget Activity 3600 / 4										R-1 Program Element (Number/Name) PE 0207100F / <i>Light Attack Armed Reconnaissance (LAAR) Squadrons</i>										Project (Number/Name) 643865 / <i>Light Attack</i>																					
										FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				FY 2023				FY 2024							
										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				
LAA																																									
Experimentation										<div></div>																															

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2020 Air Force		Date: February 2019
Appropriation/Budget Activity 3600 / 4	R-1 Program Element (Number/Name) PE 0207100F / <i>Light Attack Armed Reconnaissance (LAAR) Squadrons</i>	Project (Number/Name) 643865 / <i>Light Attack</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
LAA				
Experimentation	1	2020	4	2022