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 7: *Operational Systems Development*					**R-1 Program Element (Number/Name)** PE 0208288F *I Intel Data Applications*							

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	1.200	0.000	1.200	1.200	1.224	1.139	1.068	0.967	0.000	6.798
67A051: *Space Superiority - Advanced Intelligence Systems*	-	0.000	1.200	0.000	1.200	1.200	1.224	1.139	1.068	0.967	0.000	6.798
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Funds the application of Intelligence data as datasets/databases, model and simulations, and analysis for combat and combat support users. Provides for the communications infrastructures required to support Intelligence data applications. May include software and contract assistance to ensure system interoperability for Intelligence data discovery, retrieval, and dissemination. Includes manpower, procurement, and operations and maintenance funding.

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.

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 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total
Previous President's Budget	0.000	1.200	0.000	0.000	0.000
Current President's Budget	0.000	1.200	0.000	1.200	1.200
Total Adjustments	0.000	0.000	0.000	1.200	1.200
• 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	0.000	1.200	1.200

C. Accomplishments/Planned Programs ($ in Millions)

	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total
Title: Radar Dynamic Cueing	0.000	1.200	0.000	1.200	1.200

Exhibit R-2, RDT&E Budget Item Justification: PB 2020 Air Force				Date: February 2019	
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C. Accomplishments/Planned Programs ($ in Millions)	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total
Description: Develop algorithm to dynamically cue radar assets to increase collection capability and data relevance. *FY 2019 Plans:* Utilize multiple data sources/cues to dynamically target the radar in response to high priority Red Force events of interest. *FY 2020 Base Plans:* N/A *FY 2020 OCO Plans:* Utilize multiple data sources/cues to dynamically target the radar in response to high priority Red Force events of interest. *FY 2019 to FY 2020 Increase/Decrease Statement:* FY20 effort will be Overseas Contingency Operations.					
Accomplishments/Planned Programs Subtotals	0.000	1.200	0.000	1.200	1.200

D. Other Program Funding Summary ($ in Millions)
 N/A

Remarks

E. Acquisition Strategy
 This effort will be supported via the NASIC ATEP II contract. The project will be delivered 12 months from the date of obligation (approximately May 2019).

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 2020 Air Force													Date: February 2019	

Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0208288F / Intel Data Applications	Project (Number/Name) 67A051 / Space Superiority - Advanced Intelligence Systems

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2018 Cost	FY 2018 Award Date	FY 2019 Cost	FY 2019 Award Date	FY 2020 Base Cost	FY 2020 Base Award Date	FY 2020 OCO Cost	FY 2020 OCO Award Date	FY 2020 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
NASIC ATEP II	TBD	NASIC : Dayton, OH	-	0.000		1.200	Jan 2019	0.000		1.200	Jan 2020	1.200	Continuing	Continuing	-
		Subtotal	-	0.000		1.200		0.000		1.200		1.200	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		1.200		0.000		1.200		1.200	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2020 Air Force		**Date:** February 2019
Appropriation/Budget Activity 3600 I 7	**R-1 Program Element (Number/Name)** PE 0208288F I *Intel Data Applications*	**Project (Number/Name)** 67A051 I *Space Superiority - Advanced Intelligence Systems*

	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
Radar Dynamic Cueing																												
Algorithm Development								█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█

Exhibit R-4A, RDT&E Schedule Details: PB 2020 Air Force			Date: February 2019
Appropriation/Budget Activity 3600 *I* 7	**R-1 Program Element (Number/Name)** PE 0208288F *I Intel Data Applications*	**Project (Number/Name)** 67A051 *I Space Superiority - Advanced Intelligence Systems*	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	**Year**	**Quarter**	**Year**
Radar Dynamic Cueing				
Algorithm Development	3	2019	4	2024