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 7:

PE 0207431F I Combat Air Intelligence System Activities

Operational Systems Development

, ,												
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	-	15.821	10.316	13.668	0.000	13.668	15.257	17.283	17.781	14.479	Continuing	Continuing
675306: Analysis Enterprise	-	3.404	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
675307: TARGETING ENTERPRISE RESEARCH	-	11.717	9.451	12.922	0.000	12.922	14.497	16.507	16.991	13.675	Continuing	Continuing
675309: GEO Info & Serv Software	-	0.700	0.865	0.746	0.000	0.746	0.760	0.776	0.790	0.804	Continuing	Continuing

#### A. Mission Description and Budget Item Justification

PE 0207431F: Combat Air Intelligence System Activitie...

The mission of Combat Air Intelligence Systems (CAIS) is to process, analyze, and disseminate intelligence for air component and unit operations worldwide by providing key intelligence infrastructure and production capabilities for the supported and supporting forces with true backbone type of intelligence support for air operations and air support to joint operations. CAIS is focused on providing the intelligence infrastructure and funding to Air Force Major Commands, Intelligence, Cyber and Space Squadrons, Field Operating Agencies, and subordinate units.

Modernizations utilize Section 804, Middle Tier of Acquisitions as a rapid prototyping/rapid fielding effort to provide required modernization to remain interoperable, certified, supportable, and compliant through software engineering solutions, integration, testing, fielding, and sustainment of new capabilities and upgrades. This includes the utilization of Agile methodologies and cloud environment providers with hosting equipment provided by the program. Modernizations are required to keep pace with evolving Government Off the Shelf (GOTS) components, integrated Commercial Off the Shelf (COTS) components, Department of Defense (DoD) directives, and changes in the underlying Information Technology (IT) environment, as well as to deliver effective operational capabilities for the user.

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.

Date: February 2019

Appropriation/Budget Activity

3600: Research, Development, Test & Evaluation, Air Force I BA 7:

Exhibit R-2, RDT&E Budget Item Justification: PB 2020 Air Force

Operational Systems Development

R-1 Program Element (Number/Name)

PE 0207431F / Combat Air Intelligence System Activities

B. Program Change Summary (\$ in Millions)	FY 2018	FY 2019	<b>FY 2020 Base</b>	FY 2020 OCO	FY 2020 Total
Previous President's Budget	13.420	10.316	10.368	0.000	10.368
Current President's Budget	15.821	10.316	13.668	0.000	13.668
Total Adjustments	2.401	0.000	3.300	0.000	3.300
<ul> <li>Congressional General Reductions</li> </ul>	0.000	0.000			
<ul> <li>Congressional Directed Reductions</li> </ul>	0.000	0.000			
<ul> <li>Congressional Rescissions</li> </ul>	0.000	0.000			
<ul> <li>Congressional Adds</li> </ul>	2.401	0.000			
<ul> <li>Congressional Directed Transfers</li> </ul>	0.000	0.000			
<ul> <li>Reprogrammings</li> </ul>	0.000	0.000			
SBIR/STTR Transfer	0.000	0.000			
<ul> <li>Other Adjustments</li> </ul>	0.000	0.000	3.300	0.000	3.300

Exhibit R-2A, RDT&E Project Ju	stification	: PB 2020 A	ir Force							<b>Date:</b> Febr	uary 2019	
Appropriation/Budget Activity 3600 / 7		R-1 Progra PE 020743 System Ac	31F / Comba	•	•	Project (Number/Name) 675306 / Analysis Enterprise						
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
675306: Analysis Enterprise	-	3.404	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

### A. Mission Description and Budget Item Justification

Supports increase in System Threat Assessment Reports (STARs) production. The Validated Online Lifecycle Threat (VOLT) supports acquisition of weapons systems that are tailored to defeat future threats. This Project meets DoD 5000.02-mandated requirement for increase in STAR.

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2018	FY 2019	FY 2020
Title: Fund Acq/Intel STAR VOLT	3.404	-	-
<b>Description:</b> DoD 5000.02 mandated a 100% increase in System Threat Assessment Reports (STARs) production. The Validated Online Lifecycle Threat (VOLT), STAR replacement, supports acquisition of weapon systems that are more effective against future threats.			
Accomplishments/Planned Programs Subtotals	3.404	-	-

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

			FY 2020	FY 2020	FY 2020					<b>Cost To</b>	
<u>Line Item</u>	FY 2018	FY 2019	<b>Base</b>	OCO	<u>Total</u>	FY 2021	FY 2022	FY 2023	FY 2024	<b>Complete</b>	<b>Total Cost</b>
<ul> <li>OPAF 03 Line Item 832070:</li> </ul>	6.549	6.286	4.396	-	4.396	4.475	4.557	4.639	-	Continuing	Continuing
Intelligence Comm Equipment											
<ul> <li>RDTE 07 PE 0207431F:</li> </ul>	13.420	10.393	10.446	-	10.446	10.637	10.862	11.059	-	Continuing	Continuing
Combat Air Intelligence Customs											

# Combat Air Intelligence Systems Remarks

# D. Acquisition Strategy

N/A

#### **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.

PE 0207431F: Combat Air Intelligence System Activitie... Air Force

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R-1 Line #197

Exhibit R-3, RDT&E Project Cost Analysis: PB 2020 Air Force		Date: February 2019
1	,	umber/Name) nalysis Enterprise

Product Developme	nt (\$ in M	illions)		FY 2	2018	FY 2	2019		2020 ase	FY 2	2020 CO	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
Not specified.	Various	NASIC : WPAFB, OH	-	3.404		-		-		-		-	Continuing	Continuing	-
		Subtotal	-	3.404		-		-		-		-	Continuing	Continuing	N/A
			Prior Years	FY	2018	FY 2	2019		2020 ase	FY 2		FY 2020 Total	Cost To	Total Cost	Target Value of Contract
		Project Cost Totals	-	3.404		0.000		-		-		-	Continuing	Continuing	N/A

Remarks

PE 0207431F: Combat Air Intelligence System Activitie... Air Force

Appropriation/Budget Activity								2-1 Pr	_				•						-	t (Nu				•			
3600 / 7		PE 0207431F I Combat Air Intelligence System Activities					675306 I Analysis Enterprise																				
	FY 2018 FY					2019 FY 2020 FY 2021							7 2022 FY 2023 F					Y 2024									
		FY	2018	3		FY 2	019		FY	2020	)		FY 2	021			FY	2022	)		FY :	2023	3		FY	202	4
	1	FY 2		3 4	1		019	4 1	FY 2			1	FY 2	_	4	1	FY 2	2022	4	1	FY 2	2023	_	1	FY 2	202	_
STAR VOLT	1			4	1		-	4 1				1			4	1			4	1			_	1			_

Exhibit R-4A, RDT&E Schedule Details: PB 2020 Air Force			Date: February 2019
· · · · · · · · · · · · · · · · · · ·	, ,	• `	umber/Name) Inalysis Enterprise

# Schedule Details

	St	art	End		
Events by Sub Project	Quarter	Year	Quarter	Year	
STAR VOLT					
Begin VOLT Software upgrade	1	2018	4	2018	

Exhibit R-2A, RDT&E Project Ju	ıstification	: PB 2020 A	Air Force							Date: Febr	uary 2019	
Appropriation/Budget Activity 3600 / 7						am Elemen 31F / Comba tivities	•	Project (Number/Name) 675307 I TARGETING ENTERPRISE RESEARCH				
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
675307: TARGETING ENTERPRISE RESEARCH	-	11.717	9.451	12.922	0.000	12.922	14.497	16.507	16.991	13.675	Continuing	Continuing
Quantity of RDT&E Articles	_	-	-	-	-	-	-	-	-	-		

#### A. Mission Description and Budget Item Justification

Provides support to personnel utilizing Target Development, Planning, and Execution applications; Unit Level Intelligence; Tactical Intelligence Applications; and direct support to national, combatant command, and Air Force intelligence missions. This program element may include necessary civilian pay expenses required to manage, execute, and deliver Targeting weapon system 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, and 0605898F.

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2018	FY 2019	FY 2020
Title: Targeting Enterprise Research	11.717	9.451	12.922
<b>Description:</b> Conduct Targeting Enterprise research and advancement for projects such as Information for Operational and Tactical Analysis (IOTA), Joint Targeting Toolbox (JTT) [In both the Global Command and Control System Joint (GCCS-J) and Stand-alone configurations] and the Unit Level Intelligence (ULI) systems (Personal Computer - Integrated Imagery and Intelligence/Targeting (PC-I3T) and Targeting Application Workstation (TAW).) This budget item also funds emerging targeting capabilities (such as Target System Analysis, 4D visualization, etc.) and Targeting Enterprise software application modernization efforts.			
FY 2019 Plans: Continue the phased modernization of capabilities within the T&G portfolio and migrate to a Continuous Integration/DevOps environment utilizing Agile methodologies, including Extreme Programming (XP) models, and enabling an extensible cloud-based Infrastructure and Platform as a Service (laaS/PaaS) hosting platform.			
FY 2020 Plans: Continue the phased modernization of capabilities within the T&G portfolio, expand test automation, and migrate to a true Continuous Integration/DevOps environment to support continuous delivery to the warfighter.			
FY 2019 to FY 2020 Increase/Decrease Statement: Funding increase reflects rising costs of software services			
Accomplishments/Planned Programs Subtotals	11.717	9.451	12.922

<b>Exhibit R-2A</b> , <b>RDT&amp;E Project Justification:</b> PB 2020 Air Ford	ce				Date: February 2019
Appropriation/Budget Activity 3600 / 7		PE 0	Program Element (Number/Name) 207431F / Combat Air Intelligence em Activities	, ,	Number/Name) TARGETING ENTERPRISE CH
C. Other Program Funding Summary (\$ in Millions)	FY 2020	FY 2020	FY 2020		Cost To

			FY 2020	FY 2020	FY 2020					Cost To	
<u>Line Item</u>	FY 2018	FY 2019	<b>Base</b>	000	<b>Total</b>	FY 2021	FY 2022	FY 2023	FY 2024	Complete	<b>Total Cost</b>
<ul> <li>OPAF 03 Line Item 832070:</li> </ul>	6.534	6.273	4.384	-	4.384	4.464	-	-	-	Continuing	Continuing
Intelligence Comm Equipment											

#### Remarks

Combat Air Intelligence System (CAIS) procurement funds.

### **D. Acquisition Strategy**

The acquisition strategy builds on agile methodologies and modernization of existing capabilities utilizing evolutionary acquisition. Using Section 804, timelines are reduced by modularizing both software engineering solutions and the associated contracting and funding strategies. This enables dynamic resource allocation based on current warfighter needs. The desired end state is continuous delivery of Software.

#### 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.

Exhibit R-3, RDT&E	Project C	ost Analysis: PB 2	020 Air F	orce					<u> </u>			Date:	February	2019	
Appropriation/Budg 3600 / 7	et Activity	/				PE 020		ombat A	umber/Na ir Intellige					TERPRIS	ìE
Product Developme	nt (\$ in M	illions)		FY:	2018	FY 2	2019	FY 2 Ba	2020 ise		2020 CO	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	Total Cost	Target Value of Contract
Targeting Enterprise Research	Various	TBD : TBD	-	9.539	Dec 2017	7.426		11.093		-		11.093	Continuing	Continuing	-
		Subtotal	-	9.539		7.426		11.093		-		11.093	Continuing	Continuing	N/A
Support (\$ in Million	ıs)			FY:	2018	FY 2	2019	FY 2 Ba	2020 ise		2020 CO	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	Total Cost	Target Value of Contract
Targeting Systems Support	MIPR	SPAWAR : Phili, PA	-	0.425	Dec 2017	0.270	Dec 2018	0.270	Dec 2019	-		0.270	Continuing	Continuing	-
DMS, MilCloud	Various	Various : TBD	-	0.098		0.098		0.098		-		0.098	Continuing	Continuing	-
		Subtotal	-	0.523		0.368		0.368		-		0.368	Continuing	Continuing	N/A
Test and Evaluation	(\$ in Milli	ions)		FY 2	2018	FY 2	2019	FY 2 Ba	2020 ise		2020 CO	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	Total Cost	Target Value of Contract
45th Test Squadron	РО	45th Test Squadron : Eglin, FL	-	0.137	Dec 2017	0.337	Dec 2018	0.344	Dec 2019	-		0.344	Continuing	Continuing	-
		Subtotal	-	0.137		0.337		0.344		-		0.344	Continuing	Continuing	N/A
Management Servic	es (\$ in M	lillions)		FY:	2018	FY 2	2019	FY 2 Ba	2020 ise		2020 CO	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	Total Cost	Target Value of Contract
Targeting Research Enterprise	Various	Program Management Office : Hanscom, MA	-	1.518	Dec 2017	1.320	Nov 2018	1.117	Nov 2019	-		1.117	Continuing	Continuing	-
		Subtotal	_	1.518		1.320		1.117		_		1 117	Continuing	Continuing	N//

PE 0207431F: Combat Air Intelligence System Activitie... Air Force

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R-1 Line #197

Exhibit R-3, RDT&E Project Cost Analysis: PB 2	2020 Air F	orce					Date:	February	2019	
Appropriation/Budget Activity 3600 / 7			_	Element (Number/N I Combat Air Intellig ities	,	•		r/ <b>Name)</b> TING EN	TERPRIS	E
	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2		FY 2020 Total	Cost To	Total Cost	Target Value of Contract
Project Cost Totals	-	11.717	9.451	12.922	-		12.922	Continuing	Continuing	N/A
Remarks										

xhibit R-4, RDT&E Schedule Profile: PB 2	2020 Air F	orce																			Date:	Feb	ruar	y 201	19	
Appropriation/Budget Activity 600 / 7	oriation/Budget Activity 7										Eler I Co ities							675	307	(Number/Name) I TARGETING ENTERPRISE RCH					SE	
		FY 2	2018	}		FY 2	2019	)		FY 2	020		FY	202	1		FY	2022		F	Y 20	23		FY	202	4
	1	2	3	4	1	2	3	4	1	2	3	4	1 2	2 3	4	1	2	3	4	1	2	3 4	4	1 2	3	4
Targeting																			,		'				'	
Software/Hardware Development																										
Test and Evaluation																										_

Exhibit R-4A, RDT&E Schedule Details: PB 2020 Air Force			Date: February 2019
Appropriation/Budget Activity 3600 / 7	,	- 3 (	umber/Name) ARGETING ENTERPRISE CH

# Schedule Details

	Sta	art	End			
Events by Sub Project	Quarter	Year	Quarter	Year		
Targeting						
Software/Hardware Development	1	2018	4	2024		
Test and Evaluation	1	2018	4	2024		

Exhibit R-2A, RDT&E Project Ju	stification	: PB 2020 A	Air Force							Date: Febr	ruary 2019					
Appropriation/Budget Activity 3600 / 7	3600 / 7							R-1 Program Element (Number/Name) PE 0207431F I Combat Air Intelligence System Activities  Project (Number/Name) 675309 I GEO Info & Serv Softw								
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				
675309: GEO Info & Serv Software	-	0.700	0.865	0.746	0.000	0.746	0.760	0.776	0.790	0.804	Continuing	Continuing				
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-						

#### A. Mission Description and Budget Item Justification

PE 0207431F: Combat Air Intelligence System Activitie...

Provides support to personnel using Geospatial resources utilized in Geospatial Intelligence (GEOINT) databasing applications, technology exploration and refresh initiatives, geospatial imagery data management and dissemination architecture, geospatial information and services modernization, and enablers for intel and targeting capabilities. Provides support to the MAJCOMs to ensure requisite and available target intelligence and GEOINT tools for information directly available to warfighters.

The GEOINT information and service software program funds the Air Force Enhanced Geospatial Product Library (EGPL) which is currently fielded to all combatant command air components and subordinate units supporting global air operations. The EGPL provides digital GEOINT data to support mission planning, targeting & intelligence in support of mission objectives.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver Geospatial Intelligence weapon system 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, and 0605898F

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2018	FY 2019	FY 2020
Title: Enhanced Geospatial Product Library (EGPL)	0.700	0.865	0.746
<b>Description:</b> Provide continuing support for EGPL software and storage to meet future and evolving IT and GEOINT standards and support.			
FY 2019 Plans: Continue to develop EGPL software and continue modernization efforts using Agile Methodologies.			
FY 2020 Plans: Continue to develop EGPL software and continue modernization efforts utilizing Agile Methodologies.			
FY 2019 to FY 2020 Increase/Decrease Statement:  Decrease costs reflect return to baseline level after modernization efforts.			
Accomplishments/Planned Programs Subtotals	0.700	0.865	0.746

<b>Exhibit R-2A</b> , <b>RDT&amp;E Project Justification:</b> PB 2020 Air F	orce			Date: February 2019
Appropriation/Budget Activity 3600 / 7		PE 02	rogram Element (Number/Name) 07431F / Combat Air Intelligence m Activities	Project (Number/Name) 675309 / GEO Info & Serv Software
C. Other Program Funding Summary (\$ in Millions)	FY 2020	FY 2020	FY 2020	Cost To

			FY 2020	FY 2020	FY 2020					Cost To	
<u>Line Item</u>	FY 2018	FY 2019	Base	OCO	<u>Total</u>	FY 2021	FY 2022	FY 2023	FY 2024	Complete	<b>Total Cost</b>
<ul> <li>OPAF 03 Line Item 832070:</li> </ul>	6.534	6.273	4.384	-	4.384	4.464	-	-	-	Continuing	Continuing
Intelligence Comm Equipment											_

#### Remarks

#### **D. Acquisition Strategy**

The acquisition strategy builds on agile methodologies and modernization of existing capabilities utilizing evolutionary acquisition. Using section 804, timelines are reduced by modularizing both software engineering solutions and the associated contracting and funding strategies. This enables dynamic resource allocation based on current warfighter needs. The desired end state is continuous delivery of Software.

#### **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.

					Oi	ICLAS:	)II ILD								
Exhibit R-3, RDT&E	Project C	ost Analysis: PB 2	2020 Air F	orce								Date:	February	2019	
Appropriation/Budg 3600 / 7	et Activity	1				PE 020	ogram Ele 7431F / C Activities	ombat A				(Number	r/ <b>Name)</b> fo & Serv	Software	l
Product Developme	nt (\$ in M	illions)		FY 2	2018	FY 2	2019		2020 ise		2020 CO	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	Total Cost	Target Value of Contrac
Enhanced Geospatial Product Library	MIPR	ARL : Research Triangle, NC	-	0.470	Jan 2018	0.865	Dec 2018	0.746	Dec 2019	-		0.746	Continuing	Continuing	-
Arc GIS	Reqn	Multiple : Multiple	-	0.000		-		-		-		-	Continuing	Continuing	-
		Subtotal	-	0.470		0.865		0.746		-		0.746	Continuing	Continuing	N/A
Support (\$ in Millior	ns)			FY 2	2018	FY 2	2019		2020 ise		2020 CO	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
Not specified.	C/CPAF	Not specified. : TBD	-	-		-		-		-		-	Continuing	Continuing	-
		Subtotal	-	-		-		-		-		-	Continuing	Continuing	N//
Test and Evaluation	(\$ in Milli	ons)		FY 2	2018	FY:	2019		2020 ise		2020 CO	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	Total Cost	Target Value of Contract
45 Test Squadron	РО	45th Test Squadron : Eglin, FL	-	0.000		-		-		-		-	Continuing	Continuing	-
		Subtotal	-	0.000		-		-		-		-	Continuing	Continuing	N/A
Management Servic	es (\$ in M	illions)		FY 2	2018	FY 2	2019	FY 2	2020 ise		2020 CO	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	Total Cost	Target Value of Contrac
Program Office Support	Reqn	Not Specified : Hanscom, MA	-	0.230		-		-				_	Continuing	Continuing	-
		Subtotal	_	0.230		_		_		_			Continuing	Continuing	N/A

PE 0207431F: Combat Air Intelligence System Activitie... Air Force

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R-1 Line #197

Exhibit R-3, RDT&E Project Cost Analysis: PB 20	020 Air F	orce						Date:	February	2019			
Appropriation/Budget Activity 600 / 7				7431F / (	<b>ement (Nu</b> Combat Air s	•	-	•	Number/Name) GEO Info & Serv Software				
	Prior Years	FY 2018	FY 2	019	FY 20 Bas	 FY 2		FY 2020 Total	Cost To	Total Cost	Target Value of Contrac		
Project Cost Totals	-	0.700	0.865		0.746	-		0.746	Continuing	Continuing	N/A		

Exhibit R-4, RDT&E Schedule Profile: P	B 2020 Air F	orce	!																			Da	te: l	Febr	ruar	y 20	119	
Appropriation/Budget Activity 3600 / 7							ļ	PE (	020	7431		Com		•	nber  ntell		•		Project (Number/Name) 675309 / GEO Info & Serv Softv					ftwa	ire			
		FY 2018 FY 2				2019	019 FY 2020 FY 202 <sup>2</sup>							2021			FY	2022			FY 2023			FY 2024		24		
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	2 3	3 4	1 .	1 :	2 3	3 4
GeoInt																												
Software Development																												

Exhibit R-4A, RDT&E Schedule Details: PB 2020 Air Force		Date: February 2019
	 - 3 (	umber/Name) GEO Info & Serv Software

# Schedule Details

	St	art	Eı	nd
Events by Sub Project	Quarter	Year	Quarter	Year
GeoInt				
Software Development	1	2018	4	2024