Exhibit R-2, RDT&E Budget Item Justification: PB 2019 Air Force

Date: February 2018

Appropriation/Budget Activity

R-1 Program Element (Number/Name)

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

PE 0304310F I Commercial Economic Analysis

Operational Systems Development

COST (\$ in Millions)	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	Cost To Complete	Total Cost
Total Program Element	-	0.000	3.544	3.472	0.000	3.472	3.750	4.049	4.384	4.464	Continuing	Continuing
675896: Commercial Economic Analysis	-	0.000	3.544	3.472	0.000	3.472	3.750	4.049	4.384	4.464	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Office of Commercial Economic Analysis (OCEA) will produce in-depth analytical assessments and advanced risk mitigation strategies based on commercially available industry, market, and economic information. These assessments and strategies will support the decision making efforts of Service, Department of Defense, and Whole of Government to protect Defense Industrial Base (DIB) equities and sustain the U.S. competitive advantage.

The funding request provides for an enterprise Information Technology (IT) platform providing a technical prototype which will aggregate risk data and produce mitigation strategies and impact analysis products. The funding also supports continuous assessment of the commercially available information to ensure it is accurate, current, and relevant.

Additional classified details can be found in OSD Comptroller's classified Justification Book Volume 6.

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 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Previous President's Budget	0.000	3.544	3.498	0.000	3.498
Current President's Budget	0.000	3.544	3.472	0.000	3.472
Total Adjustments	0.000	0.000	-0.026	0.000	-0.026
 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	-0.026	0.000	-0.026

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Exhibit R-2, RDT&E Budget Item Justification: PB 2019 Air Force

Date: February 2018

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

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Operational Systems Development

C. Accomplishments/Planned Programs (\$ in Millions)	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Title: Commercial Economic Analysis	0.000	3.544	3.472	0.000	3.472
Description: Develop solutions to help protect the Defense Industrial Base from adversary information attacks and protect the U.S. technological advantage. Research, develop, test and evaluate Commercial Economic Analysis capabilities, systems, tools, products and services through a disciplined, yet agile, process that ensures commercial economic modeling pilots, risk management construct, decision support tools, and continuous monitoring capabilities are available for Air Force sectors and segments of the Defense Industrial Base.					
FY 2018 Plans: Utilize existing contracts for four modular components that will expand classified commercial economic analyses and establish an initial operational capability in FY18. The four components include: CEA Enterprise Architecture and Design; Ontological Discovery/Vector Analysis of Classified Information for Risk Management Construct; Machine Learning for Continuous Assessment; and Assessment, Analysis, and Fusion Tool Integration.					
FY 2019 Base Plans: Utilize existing contracts for continuation of modular components. Classified details can be found in OSD Comptroller's classified Defense-Wide Justification Book Volume 6.					
FY 2019 OCO Plans: N/A					
FY 2018 to FY 2019 Increase/Decrease Statement: Minor decreases.					
Accomplishments/Planned Programs Subtotals	0.000	3.544	3.472	0.000	3.472

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

N/A

Remarks

E. Acquisition Strategy

Competitively awarded a contract in July 2017. This contract has options that can be exercised upon receipt of FY2018 and FY2019 appropriations to develop the prototype system upon which the data will run. Will also use a previously competed, existing contract for the other software modules.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2019 Air Force		Date: February 2018
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development	R-1 Program Element (Number/Name) PE 0304310F / Commercial Economic Analys	sis
F. Performance Metrics Please refer to the Performance Base Budget Overview Book for information Force performance goals and most importantly, how they contribute to o	ation on how Air Force resources are applied and hor our mission.	w those resources are contributing to Air

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Exhibit R-3, RDT&E	Project C	ost Analysis: PB 2	019 Air F	orce								Date:	February	2018	
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0304310F / Commercial Economic Analysis					Project (Number/Name) 675896 I Commercial Economic Analysis					
Product Development (\$ in Millions)				FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 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 o Contrac
Risk Management Contract	C/TBD	TBD : TBD	-	0.000		1.000	Jun 2018	1.000	Feb 2019	-		1.000	Continuing	Continuing	5.00
		Subtotal	-	0.000		1.000		1.000		-		1.000	Continuing	Continuing	N/
Support (\$ in Millior	ıs)			FY 2	2017	FY 2	2018	FY 2 Ba			2019 CO	FY 2019 Total			
	Contract Method	Performing	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To	Total Cost	Target Value of Contract
Cost Category Item	& Type	Activity & Location											<u> </u>		
Cost Category Item Advanced Model Pilot	& Type SS/TBD	Activity & Location Not specified. : NV	-	-		1.000	Jul 2018	1.000	Feb 2019	-		1.000	Continuing	Continuing	-
		-	-	-		1.000 1.000		1.000 1.000	Feb 2019	-			Continuing Continuing	-	- N//
	SS/TBD	Not specified. : NV Subtotal	-	-					2019	- FY 2	2019 CO			-	- N/ <i>i</i>
Advanced Model Pilot	SS/TBD	Not specified. : NV Subtotal	-	-		1.000		1.000 FY 2	2019	- FY 2		1.000 FY 2019		-	Target Value o
Advanced Model Pilot Test and Evaluation	(\$ in Milli Contract Method	Not specified. : NV Subtotal ons) Performing	- - Prior	- - FY 2	017 Award	1.000 FY 2	2018 Award Date	1.000 FY 2 Ba	2019 sse Award Date	- FY 2 O	CO Award	1.000 FY 2019 Total	Cost To Complete	Continuing Total Cost	Target Value of
Advanced Model Pilot Test and Evaluation Cost Category Item	(\$ in Milli Contract Method & Type	Not specified. : NV Subtotal Ons) Performing Activity & Location	- - Prior	- - FY 2	017 Award	1.000 FY 2	2018 Award Date	1.000 FY 2 Ba	2019 sse Award Date	FY 2	CO Award	1.000 FY 2019 Total Cost 0.472	Continuing Cost To Complete	Total Cost Continuing	Target Value of Contrac
Advanced Model Pilot Test and Evaluation Cost Category Item	(\$ in Milli Contract Method & Type C/TBD	Not specified.: NV Subtotal Ons) Performing Activity & Location Not specified.: NV Subtotal	Prior Years	- - FY 2	2017 Award Date	1.000 FY 2 Cost 0.544	Award Date Aug 2018	1.000 FY 2 Ba Cost 0.472	Award Date Feb 2019	FY 2 OC Cost FY 2	CO Award	1.000 FY 2019 Total Cost 0.472	Cost To Complete Continuing	Total Cost Continuing	Target Value of Contrac
Advanced Model Pilot Test and Evaluation Cost Category Item Continuous Monitoring	(\$ in Milli Contract Method & Type C/TBD	Not specified.: NV Subtotal Ons) Performing Activity & Location Not specified.: NV Subtotal	Prior Years	FY 2 Cost	2017 Award Date	1.000 FY 2 Cost 0.544 0.544	Award Date Aug 2018	1.000 FY 2 Ba Cost 0.472 0.472 FY 2	Award Date Feb 2019	FY 2 OC Cost FY 2	Award Date	1.000 FY 2019 Total Cost 0.472 0.472 FY 2019	Cost To Complete Continuing Continuing Cost To Complete	Total Cost Continuing Continuing Continuing Total Cost	Target Value of Contrac N//
Advanced Model Pilot Test and Evaluation Cost Category Item Continuous Monitoring Management Service	(\$ in Milli Contract Method & Type C/TBD es (\$ in M	Not specified.: NV Subtotal Ons) Performing Activity & Location Not specified.: NV Subtotal illions) Performing	Prior Years	FY 2 Cost FY 2	Award Date	1.000 FY 2 Cost 0.544 0.544	Award Date Aug 2018 2018 Award Date	1.000 FY 2 Ba Cost 0.472 0.472 FY 2 Ba	Award Date Feb 2019 2019 se Award	FY 2 OC Cost	Award Date	1.000 FY 2019 Total Cost 0.472 0.472 FY 2019 Total Cost 1.000	Cost To Complete Continuing Continuing Cost To Complete Continuing	Total Continuing Total Continuing Continuing Total Cost Continuing	Target Value of Contract N// Target Value of Contract
Advanced Model Pilot Test and Evaluation Cost Category Item Continuous Monitoring Management Servic Cost Category Item	(\$ in Milli Contract Method & Type C/TBD es (\$ in M Contract Method & Type	Not specified.: NV Subtotal Ons) Performing Activity & Location Not specified.: NV Subtotal illions) Performing Activity & Location	Prior Years	FY 2 Cost FY 2	Award Date	1.000 FY 2 Cost 0.544 0.544 FY 2 Cost	Award Date Aug 2018 Award Date Aug 2018 Award Date Jul 2018	1.000 FY 2 Ba Cost 0.472 0.472 FY 2 Ba Cost	Award Date Feb 2019 2019 See Award Date	FY: Of Cost FY: Of Cost	Award Date	1.000 FY 2019 Total Cost 0.472 0.472 FY 2019 Total Cost 1.000	Cost To Complete Continuing Continuing Cost To Complete	Total Continuing Total Continuing Continuing Total Cost Continuing	Target Value of Contract N//
Advanced Model Pilot Test and Evaluation Cost Category Item Continuous Monitoring Management Servic Cost Category Item	(\$ in Milli Contract Method & Type C/TBD es (\$ in M Contract Method & Type	Not specified.: NV Subtotal Ons) Performing Activity & Location Not specified.: NV Subtotal illions) Performing Activity & Location Not specified.: NV	Prior Years	FY 2 Cost FY 2	Award Date	1.000 FY 2 Cost 0.544 0.544 FY 2 Cost 1.000	Award Date Aug 2018 Award Date Aug 2018 Award Date Jul 2018	1.000 FY 2 Ba Cost 0.472 0.472 FY 2 Ba Cost 1.000 1.000	Award Date Feb 2019 Se Award Date Feb 2019 Feb 2019 Feb 2019	FY: 00 Cost	Award Date	1.000 FY 2019 Total Cost 0.472 0.472 FY 2019 Total Cost 1.000	Cost To Complete Continuing Continuing Cost To Complete Continuing	Total Continuing Total Continuing Continuing Total Cost Continuing	Target Value of Contrac N/A Target Value of Contrac

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Exhibit R-4, RDT&E Schedule Profile: P	B 2019 Air Force	Date: February 2018
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0304310F / Commercial Economic Analysis Project (Number/Name) 675896 / Commercial Economic Analysis
	FY 2017 FY 20	18 FY 2019 FY 2020 FY 2021 FY 2022 FY 2023
	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 1 2 3 4
CEA		
Advanced Model Pilot 10		
Advanced Model Pilot 11		
Follow-on CEA Tool		
Risk Management Construct		

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Exhibit R-4A, RDT&E Schedule Details: PB 2019 Air Force		Date: February 2018
	-,(umber/Name) Commercial Economic Analysis

Schedule Details

	St	art	End		
Events by Sub Project	Quarter	Year	Quarter	Year	
CEA					
Advanced Model Pilot 10	3	2018	4	2018	
Advanced Model Pilot 11	3	2018	4	2018	
Follow-on CEA Tool	3	2018	4	2022	
Risk Management Construct	3	2018	2	2019	

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