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**Exhibit R-2, RDT&E Budget Item Justification:** PB 2021 Air Force **Date:** February 2020

<b>Appropriation/Budget Activity</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force I BA 7: Operational Systems Development</i>	<b>R-1 Program Element (Number/Name)</b> PE 0304310F / <i>Commercial Economic Analysis</i>
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COST (\$ in Millions)	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	Cost To Complete	Total Cost
Total Program Element	-	4.014	3.431	4.042	0.000	4.042	4.377	4.456	4.536	4.102	Continuing	Continuing
675896: <i>Commercial Economic Analysis</i>	-	4.014	3.431	4.042	0.000	4.042	4.377	4.456	4.536	4.102	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

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

To preserve Air Force and DoD military advantage from commercial and economic risk, the Office of Commercial Economic Analysis (OCEA) produces in-depth analytical assessments and advanced risk mitigation strategies based on commercially available industry, market, and economic information. These assessments and strategies support the decision making efforts of Service, Department of Defense, and Whole of Government to protect National Security Innovation Base equities and sustain the U.S. competitive advantage.

The funding request provides for an enterprise analytic platform providing a technical prototype which will aggregate risk data and produce mitigation strategies and impact analytic products, i.e. mature big data architecture, higher domain connectivity, continuous assessment capability and integrate external applications. 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>B. Program Change Summary (\$ in Millions)</b>	<u>FY 2019</u>	<u>FY 2020</u>	<u>FY 2021 Base</u>	<u>FY 2021 OCO</u>	<u>FY 2021 Total</u>
Previous President's Budget	3.472	3.431	4.049	0.000	4.049
Current President's Budget	4.014	3.431	4.042	0.000	4.042
Total Adjustments	0.542	0.000	-0.007	0.000	-0.007
• 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	0.542	0.000	-0.007	0.000	-0.007

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**Change Summary Explanation**

FY19 to FY20 funding decreased to account for the availability of prior year execution balances.

**C. Accomplishments/Planned Programs (\$ in Millions)**

	FY 2019	FY 2020	FY 2021
<b>Title:</b> Commercial Economic Analysis  <b>Description:</b> Develop solutions to protect the National Security Innovation Base from adversary information attacks and protect the U.S. technological advantage. Research, develop, test and evaluate Commercial Economic Analysis capabilities, systems, tools, data, products, and services through a disciplined, yet agile, process that ensures commercial economic modeling pilots, risk management constructs, decision support tools, and continuous monitoring capabilities are available for Air Force sectors and segments of the National Security Innovation Base.  Additional classified details can be found in OSD Comptroller's classified Justification Book Volume 6.  <b>FY 2020 Plans:</b> Utilize existing contracts for continuation of modular components and data architecture framework supporting risk management, risk mitigation and nontraditional support capabilities.  Additional classified details can be found in OSD Comptroller's classified Justification Book Volume 6.  <b>FY 2021 Plans:</b> Utilize existing contracts and new IDIQ contract task orders for continuation of modular components and data architecture framework supporting risk management, risk mitigation and nontraditional support capabilities.  Additional classified details can be found in OSD Comptroller's classified Justification Book Volume 6.  <b>FY 2020 to FY 2021 Increase/Decrease Statement:</b> The FY 2020 funding reduction accounts for the availability of prior year execution balances.	4.014	3.431	4.042
<b>Accomplishments/Planned Programs Subtotals</b>	4.014	3.431	4.042

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

	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	<b>Cost To Complete</b>	<b>Total Cost</b>
• O&M 030431F: <i>Commercial Economic Analysis</i>	20.804	18.168	18.207	-	18.207	22.225	22.219	21.998	23.520	Continuing	Continuing

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<b>Appropriation/Budget Activity</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force I BA 7: Operational Systems Development</i>	<b>R-1 Program Element (Number/Name)</b> PE 0304310F / <i>Commercial Economic Analysis</i>
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**D. Other Program Funding Summary (\$ in Millions)**

<u>Line Item</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>FY 2021</u> <u>Base</u>	<u>FY 2021</u> <u>OCO</u>	<u>FY 2021</u> <u>Total</u>	<u>FY 2022</u>	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
<b>Remarks</b> N/A											

**E. Acquisition Strategy**

Pursue competitively awarded contracts for follow-on to existing contract and task orders, with emphasis on system integration and corresponding data architectures. IDIQ task orders and specific system integration, cloud connectivity, and data contracts are the cornerstone of OCEA RDT&E activities.

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**Exhibit R-3, RDT&E Project Cost Analysis: PB 2021 Air Force** **Date:** February 2020

<b>Appropriation/Budget Activity</b> 3600 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0304310F / Commercial Economic Analysis	<b>Project (Number/Name)</b> 675896 / Commercial Economic Analysis
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<b>Product Development (\$ in Millions)</b>				FY 2019		FY 2020		FY 2021 Base		FY 2021 OCO		FY 2021 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Enterprise Architecture and Data Integration	SS/CPPIF	Novetta : McLean, VA	-	4.014	Oct 2018	1.750		-		-		-	Continuing	Continuing	-
Analytic and Technical Services follow-on	C/TBD	TBD : TBD	-	-		1.177	Apr 2020	3.000	Apr 2021	-		3.000	Continuing	Continuing	-
<b>Subtotal</b>			-	4.014		2.927		3.000		-		3.000	Continuing	Continuing	N/A

<b>Support (\$ in Millions)</b>				FY 2019		FY 2020		FY 2021 Base		FY 2021 OCO		FY 2021 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
FFRDC	SS/FFP	MITRE : McLean, VA	-	0.000		0.104	Oct 2019	0.602	Oct 2020	-		0.602	Continuing	Continuing	-
Hosting Services	SS/FFP	AWS (C2S) : Seattle, WA	-	-		0.400	Nov 2019	0.440	Nov 2020	-		0.440	Continuing	Continuing	-
<b>Subtotal</b>			-	0.000		0.504		1.042		-		1.042	Continuing	Continuing	N/A

			Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	Cost To Complete	Total Cost	Target Value of Contract
<b>Project Cost Totals</b>			-	4.014	3.431	4.042	-	4.042	Continuing	Continuing	N/A

**Remarks**  
 Product Development: Follow-on Analytic and Technical Services IDIQ contract will replace existing Enterprise Architecture and Data Integration contract in FY20.  
 Support: Contract award is scheduled for 1Q/FY21 for these continuing efforts.



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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2021 Air Force		<b>Date:</b> February 2020
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Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b>CEA</b>				
Mature Big Data Architecture	1	2019	2	2025
Higher Domain Connectivity	1	2019	2	2025
Continuous Assessment Capability	1	2019	2	2025
Integrate External Applications	1	2019	2	2025