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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 0303142F / <i>Global Force Management - Data Initiative</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	-	2.108	2.210	1.346	0.000	1.346	0.458	0.000	0.000	0.000	0.000	6.122
676027: <i>Global Force Mgt Initiative</i>	-	2.108	2.210	1.346	0.000	1.346	0.458	0.000	0.000	0.000	0.000	6.122
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-	-	-

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

The Global Force Management Data Initiative (GFM DI) is a Joint Staff and the Office of the Secretary of Defense (OSD) initiative to standardize force structure data, making it visible, accessible, and understandable across the Department of Defense (DoD). This initiative is accomplished through each service's Organizational Server. The Air Force Organizational Server (AFOS) consumes data from various Air Force Authoritative Data Sources (ADSs), validates it, formats it in a consistent force structure data standard, and publishes it for consumption by programs of record that use force structure data. The AFOS is the ADS for Air Force Authorized Force Structure and provides critical unit, billet, crew platform, vehicle, and command relationship data within the Air Force to the Joint Staff (J8) for war and contingency planning, by providing visibility of the entire force structure as a function of time: past, present and future.

The AFOS produces consistent force structure data in the Global Force Management Information Exchange Model format that is well defined, centrally managed, and inter-operable as a standardized representation of the organization's hierarchy in all other programs of record that use force structure data. The end goal of the GFM-DI AFOS is to integrate the four force management processes (Assignment, Manpower & Personnel, Readiness, and Allocation), and ensure the data is available to meet the needs of all users, systems and functions.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver the GFM-DI system capabilities. The use of such program funds would be in addition to the civilian pay expenses budgeted in program element 0605831F.

Funds will be used to perform studies and innovative integration efforts for common technology capabilities such as cloud migration, technology development and mobile application.

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.

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<b>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021 Base</b>	<b>FY 2021 OCO</b>	<b>FY 2021 Total</b>
Previous President's Budget	2.170	2.210	1.348	0.000	1.348
Current President's Budget	2.108	2.210	1.346	0.000	1.346
Total Adjustments	-0.062	0.000	-0.002	0.000	-0.002
• 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	-0.002	0.000			
• SBIR/STTR Transfer	-0.060	0.000			
• Other Adjustments	0.000	0.000	-0.002	0.000	-0.002

**Change Summary Explanation**

FY19 change due to an approved Below Threshold Reprogramming of \$0.002M

<b>C. Accomplishments/Planned Programs (\$ in Millions)</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021</b>
<b>Title:</b> Global Force Management - Data Initiative	2.108	2.210	1.346
<b>Description:</b> The GFM-DI is a combination of net-centric services designed to provide access to information on the operational availability of USAF forces and equipment. GFM-DI is part of a Joint GFM, (each service has a GFM-DI), directed by OSD and the JCS.			
<b>FY 2020 Plans:</b> - Receive Joint Staff J8 validation - Implement major Joint Staff directed database changes			
No OCO			
<b>FY 2021 Plans:</b> - Will continue to implement major Joint Staff J8 directed database changes - Will refactor database - Will implement GFM-DI XSD 4.0 Database Changes			
<b>FY 2020 to FY 2021 Increase/Decrease Statement:</b> Funding decreased due to anticipated program requirement reduction.			
<b>Accomplishments/Planned Programs Subtotals</b>	2.108	2.210	1.346

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<b>D. Other Program Funding Summary (\$ in Millions)</b> N/A		
<b>Remarks</b>		
<b>E. Acquisition Strategy</b> The program will utilize an evolutionary acquisition strategy resulting in the migration to a Joint Information Environment (JIE)-compliant platform, replacement of system Commercial-Off-the-Shelf (COTS) components with newer, more capable elements, and additional software releases to implement additional requirements.  The anticipated contract structure will be Firm-Fixed Price contract.  The Air Force Organizational Server (AFOS) PMO will utilize a mix of Service Level Agreements (SLA) and Interface Requirement Agreements with AFOS stakeholders and support agencies as part of its management strategy. SLAs will be developed with the Lead Developmental Test Organization and the Capabilities Integration Environment at Maxwell AFB-Gunter Annex. The AFOS PMO also maintains Memorandum of Agreements (MOAs) with several AFOS input and output systems, including Manpower Programming & Execution Systems, Air Force Directory Services, Air Force Equipment Management System, and Force Structure Data Management.		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2021 Air Force												Date: February 2020			
Appropriation/Budget Activity				R-1 Program Element (Number/Name)				Project (Number/Name)							
3600 / 7				PE 0303142F / Global Force Management - Data Initiative				676027 / Global Force Mgt Initiative							
<b>Product Development (\$ in Millions)</b>				FY 2019		FY 2020		FY 2021 Base		FY 2021 OCO		FY 2021 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
GFM-DI AFOS / Development Contract	C/FFP	Various : Various	-	1.521	Mar 2019	1.376	Mar 2020	0.579	Mar 2021	-		0.579	Continuing	Continuing	-
<b>Subtotal</b>			-	1.521		1.376		0.579		-		0.579	Continuing	Continuing	N/A
<b>Support (\$ in Millions)</b>				FY 2019		FY 2020		FY 2021 Base		FY 2021 OCO		FY 2021 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
CIE Support - NIPR/SIPR Dev Environment	C/FFP	AFLCMC/HNIZ : Montgomery, AL	-	0.030	May 2019	0.031	May 2020	0.031	May 2021	-		0.031	Continuing	Continuing	-
EPASS - A&AS	C/CPFF	Oasis : Bedford, MA	-	0.070	Apr 2019	0.131	Apr 2020	0.150	Apr 2021	-		0.150	Continuing	Continuing	-
Enclave System Admin Services	MIPR	DISA: DECC-OKC : Montgomery, AL	-	0.335	Aug 2019	0.396	Aug 2020	0.396	Aug 2021	-		0.396	Continuing	Continuing	-
<b>Subtotal</b>			-	0.435		0.558		0.577		-		0.577	Continuing	Continuing	N/A
<b>Test and Evaluation (\$ in Millions)</b>				FY 2019		FY 2020		FY 2021 Base		FY 2021 OCO		FY 2021 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
Lead Developmental Test Organization Independent Test & Evalaution	C/FFP	AFLCMC/HNIZ : MONTGOMERY, AL	-	0.047	Apr 2019	0.055	Apr 2020	0.055	Apr 2021	-		0.055	Continuing	Continuing	-
<b>Subtotal</b>			-	0.047		0.055		0.055		-		0.055	Continuing	Continuing	N/A
<b>Management Services (\$ in Millions)</b>				FY 2019		FY 2020		FY 2021 Base		FY 2021 OCO		FY 2021 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
Program Office Support	Various	AFLCMC/HIB : MONTGOMERY, AL	-	0.105	Oct 2018	0.221	Oct 2019	0.135	Oct 2020	-		0.135	Continuing	Continuing	-
<b>Subtotal</b>			-	0.105		0.221		0.135		-		0.135	Continuing	Continuing	N/A

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	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>	-	2.108	2.210	1.346	-	1.346	Continuing	Continuing	N/A

**Remarks**

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<b>Exhibit R-4, RDT&amp;E Schedule Profile:</b> PB 2021 Air Force		<b>Date:</b> February 2020
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	FY 2019				FY 2020				FY 2021				FY 2022				FY 2023				FY 2024				FY 2025			
	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
<b>GFM-DI Inc 2</b>																												
- JIE Integration and Migration																												
- Readiness/Authorization Linkage																												
- Functional/Data Validation																												
- Joint Staff J8 Validation																												
- Refactor Database																												
- GFM-DI XSD 4.0 Database Changes																												
- Future Joint Staff Requirements																												

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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><i>GFM-DI Inc 2</i></b>				
- JIE Integration and Migration	1	2019	2	2019
- Readiness/Authorization Linkage	2	2019	4	2019
- Functional/Data Validation	3	2019	3	2021
- Joint Staff J8 Validation	1	2020	1	2022
- Refactor Database	4	2021	1	2022
- GFM-DI XSD 4.0 Database Changes	4	2021	1	2022
- Future Joint Staff Requirements	4	2021	4	2023