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**Exhibit R-2, RDT&E Budget Item Justification:** PB 2022 Air Force **Date:** May 2021

<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 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	Cost To Complete	Total Cost
Total Program Element	-	2.129	1.344	0.452	0.000	0.452	-	-	-	-	-	-
676027: <i>Global Force Mgt Initiative</i>	-	2.129	1.344	0.452	0.000	0.452	-	-	-	-	-	-
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 Air Force, Joint, and DoD planners, warfighters, decision-makers, senior leaders and associated systems and functions.

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 element may include necessary civilian pay expenses required to manage, execute, and deliver weapons system capability. The use of such programs funds would be in addition to the civilian pay expenses budgeted in program element 0605831F. In FY20 0.0M was expended for civilian pay expenses in this program element, and in FY21 0.0M is forecasted for civilian pay expenses in this program element.

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 2020</b>	<b>FY 2021</b>	<b>FY 2022 Base</b>	<b>FY 2022 OCO</b>	<b>FY 2022 Total</b>	
Previous President's Budget	2.210	1.346	0.458	0.000	0.458	
Current President's Budget	2.129	1.344	0.452	0.000	0.452	
Total Adjustments	-0.081	-0.002	-0.006	0.000	-0.006	
• Congressional General Reductions	0.000	-0.002				
• 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	-0.081	0.000				
• Other Adjustments	0.000	0.000	-0.006	0.000	-0.006	
<b>C. Accomplishments/Planned Programs (\$ in Millions)</b>				<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>
<b>Title:</b> Global Force Management - Data Initiative				2.129	1.344	0.452
<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 2021 Plans:</b>						
- Continue Functional/Data Validation						
- Continue to implement major Joint Staff J8 directed database changes						
<b>FY 2022 Plans:</b>						
- Will continue to implement major Joint Staff J8 directed database changes						
- Will continue refactor database						
- Will continue to implement GFM-DI XSD 4.0 Database Changes						
<b>FY 2021 to FY 2022 Increase/Decrease Statement:</b>						
Funding decreased due to a planned RDT&E funding phased reduction.						
<b>Accomplishments/Planned Programs Subtotals</b>				2.129	1.344	0.452
<b>D. Other Program Funding Summary (\$ in Millions)</b>						
N/A						
<b>Remarks</b>						

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<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 2022 Air Force												Date: May 2021				
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 2020		FY 2021		FY 2022 Base		FY 2022 OCO		FY 2022 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	Iron Flame : Baltimore, MD	-	1.459	Mar 2020	0.719	Mar 2021	0.452	Dec 2021	-		0.452	-	-	-	
<b>Subtotal</b>			-	1.459		0.719		0.452		-		0.452	-	-	N/A	
<b>Support (\$ in Millions)</b>				FY 2020		FY 2021		FY 2022 Base		FY 2022 OCO		FY 2022 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	-	0.022	May 2020	0.031	May 2021	0.000		-		0.000	-	-	-	
EPASS - A&AS	C/CPFF	Oasis : Bedford, MA	-	0.050	Apr 2020	0.087	Apr 2021	0.000		-		0.000	-	-	-	
Enclave System Admin Services	MIPR	DISA: DECC-OKC : Montgomery, AL	-	0.437	Aug 2020	0.416	Aug 2021	0.000		-		0.000	-	-	-	
<b>Subtotal</b>			-	0.509		0.534		0.000		-		0.000	-	-	N/A	
<b>Test and Evaluation (\$ in Millions)</b>				FY 2020		FY 2021		FY 2022 Base		FY 2022 OCO		FY 2022 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	MIPR	AFLCMC/HNIZ : MONTGOMERY, AL	-	0.054	Dec 2019	0.056	Dec 2020	0.000		-		0.000	-	-	-	
<b>Subtotal</b>			-	0.054		0.056		0.000		-		0.000	-	-	N/A	
<b>Management Services (\$ in Millions)</b>				FY 2020		FY 2021		FY 2022 Base		FY 2022 OCO		FY 2022 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	-	0.107	Oct 2019	0.035	Oct 2020	0.000		-		0.000	-	-	-	
<b>Subtotal</b>			-	0.107		0.035		0.000		-		0.000	-	-	N/A	



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<b>Exhibit R-4, RDT&amp;E Schedule Profile: PB 2022 Air Force</b>		<b>Date: May 2021</b>
<b>Appropriation/Budget Activity</b> 3600 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0303142F / <i>Global Force Management - Data Initiative</i>	<b>Project (Number/Name)</b> 676027 / <i>Global Force Mgt Initiative</i>

FY 2020				FY 2021				FY 2022				FY 2023				FY 2024				FY 2025				FY 2026			
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>	
- Functional/Data Validation	
- Joint Staff J8 Validation	
- Refactor Database	
- GFM-DI XSD 4.0 Database Changes	

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2022 Air Force		<b>Date:</b> May 2021
<b>Appropriation/Budget Activity</b> 3600 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0303142F / <i>Global Force Management - Data Initiative</i>	<b>Project (Number/Name)</b> 676027 / <i>Global Force Mgt Initiative</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b>GFM-DI Inc 2</b>				
- Functional/Data Validation	1	2020	3	2021
- Joint Staff J8 Validation	1	2020	1	2022
- Refactor Database	2	2022	4	2022
- GFM-DI XSD 4.0 Database Changes	4	2022	4	2022