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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 / BA 5: System Development &amp; Demonstration (SDD)</i>	<b>R-1 Program Element (Number/Name)</b> PE 0901299F / AF A1 Systems
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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	-	0.000	7.453	0.000	0.000	0.000	-	-	-	-	-	-
650007: <i>The Inspector Generals Instructional and Informational Readiness System (TIGIIRS)</i>	-	0.000	7.453	0.000	0.000	0.000	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

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

The DAF Inspector General Instructional and Informational Readiness System Next Generation (TIGIIRS NG) system will develop a single, standardized and integrated process for for planning, executing, reporting & analyzing Wing Performance and Readiness. It enables the IG to efficiently accomplish 10USC8020 responsibility to "report upon the discipline, efficiency and economy of the Air Force" and those responsibilities directed by SecAF & CSAF in Readiness Review Task #26.

The legacy capability is built upon a MAJCOM-generated architecture that was transitioned to a program of record in FY10 as an interim gapping solution. The legacy system is not sustainable beyond FY24. This funding provides for the development foundation of the Next Gen System.

This program element may include necessary emergent or unanticipated civilian pay expenses required to manage, execute, and deliver AFIPPS capability. The use of such programs funds would be in addition to the civilian pay expenses budgeted in program element 0605831F. In FY20 \$0.000M was expended for civilian pay expenses in this program element, and in FY21 \$0.000M is forecasted for civilian pay expenses in this program element.

This program is in Budget Activity 5, System Development and Demonstration (SDD) because it has passed Milestone B approval and is conducting engineering and manufacturing development tasks aimed at meeting validated requirements prior to full rate production.

<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	0.000	8.467	0.000	0.000	0.000
Current President's Budget	0.000	7.453	0.000	0.000	0.000
Total Adjustments	0.000	-1.014	0.000	0.000	0.000
• Congressional General Reductions	0.000	-1.014			
• 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	0.000	0.000	0.000

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<b>Appropriation/Budget Activity</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force I BA 5: System Development &amp; Demonstration (SDD)</i>	<b>R-1 Program Element (Number/Name)</b> PE 0901299F / AF A1 Systems
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**Change Summary Explanation**

FY21 - \$1.014M Congressional General Reduction

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

	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>
<p><b>Title:</b> Develop The Inspector Generals Instructional and Informational Readiness System (TIGIIRS)</p> <p><b>Description:</b> The RDT&amp;E funds will be used for development efforts against requirements that were finalized through a BCAC (Business Capability Acquisition Cycle) Business Process Mapping and Re-engineering (BPM/BPR). Funds multiple prototypes of the BPM/BPR identified functional capabilities. These prototypes will be provided to AFLCMC/HI by selected contractors through a competitive BCAC selection process. These prototypes will form the foundation of the Next Gen system.</p> <p><b>FY 2021 Plans:</b> Identification/Definition of IT Functional Requirements &amp; Information Assets, conduct Market Analysis, prototyping viable IT solution concepts, development of initial Cybersecurity Strategy, evaluation for compliance with Clinger Cohen Act, assessment of technical solution approaches, stakeholder demonstrations &amp; evaluations, and AFLCMC Program Management.</p> <p><b>FY 2022 Plans:</b> N/A</p> <p><b>FY 2021 to FY 2022 Increase/Decrease Statement:</b> Funding decreased due to all current projected activities being funded in FY21.</p>	0.000	7.453	0.000
<b>Accomplishments/Planned Programs Subtotals</b>	0.000	7.453	0.000

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

N/A

**Remarks**

**E. Acquisition Strategy**

The DAF Inspector General Instructional and Informational Readiness System Next Generation (TIGIIRS NG) system will provide a single, standardized and integrated process for for planning, executing, reporting & analyzing Wing Performance and Readiness.

The legacy capability is built upon a MAJCOM-generated architecture that was transitioned to a program of record in FY10 as an interim gapping solution. The legacy system is not sustainable beyond FY24. This funding provides for the development foundation of the Next Gen System.

New capability will focus on enhanced readiness, inspection event scheduling and planning, inspection event management, and increased situational awareness of the DAF's mission readiness level in near real-time.

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**Exhibit R-3, RDT&E Project Cost Analysis: PB 2022 Air Force** **Date:** May 2021

<b>Appropriation/Budget Activity</b> 3600 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0901299F / AF A1 Systems	<b>Project (Number/Name)</b> 650007 / The Inspector Generals Instructional and Informational Readiness System (TIGIIRS)
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<b>Product Development (\$ in Millions)</b>				FY 2020		FY 2021		FY 2022 Base		FY 2022 OCO		FY 2022 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			
Identification/Definition of IT Functional Requirements & Information Assets	Various	AFLCMC : San Antonio/Lackland, TX	-	0.000		1.120	Feb 2021	0.000		-		0.000	-	-	-
Development of initial Cybersecurity Strategy	Reqn	AFLCMC : San Antonio/Lackland, TX	-	0.000		0.750	Mar 2021	0.000		-		0.000	-	-	-
<b>Subtotal</b>			-	0.000		1.870		0.000		-		0.000	-	-	N/A

<b>Support (\$ in Millions)</b>				FY 2020		FY 2021		FY 2022 Base		FY 2022 OCO		FY 2022 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			
AFLCMC Program Management	Various	AFLCMC : San Antonio/Lackland, TX	-	0.000		0.863	Nov 2020	0.000		-		0.000	-	-	-
Travel	Various	AFLCMC : San Antonio/Lackland, TX	-	0.000		0.210	Oct 2020	0.000		-		0.000	-	-	-
<b>Subtotal</b>			-	0.000		1.073		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 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			
Market Analysis	C/CPAF	AFLCMC : San Antonio/Lackland, TX	-	0.000		0.250	Dec 2020	0.000		-		0.000	-	-	-
Prototyping of viable IT solution concepts	C/CPAF	AFLCMC : San Antonio/Lackland, TX	-	0.000		1.220	Jan 2021	0.000		-		0.000	-	-	-
Clinger Cohen Act compliance evaluation	C/CPAF	AFLCMC : San Antonio/Lackland, TX	-	0.000		0.400	Jun 2021	0.000		-		0.000	-	-	-
Stakeholder demonstrations & evaluations	C/CPAF	AFLCMC : San Antonio/Lackland, TX	-	0.000		0.430	Jul 2021	0.000		-		0.000	-	-	-





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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 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0901299F / AF A1 Systems	<b>Project (Number/Name)</b> 650007 / The Inspector Generals Instructional and Informational Readiness System (TIGIIRS)

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b><i>IG Instructional &amp; Informational Readiness System (TIGIIRS- Next Gen)</i></b>				
AFLCMC Program Management	1	2021	4	2021
Identification/Definition of IT Functional Requirements & Information Assets	2	2021	2	2021
Market Analysis	1	2021	2	2021
Prototyping of viable IT solution concepts	2	2021	2	2021
Development of initial Cybersecurity Strategy	2	2021	3	2021
Clinger Cohen Act compliance evaluation	3	2021	4	2021
Assessment of technical solution approaches	3	2021	4	2021
Stakeholder demonstrations & evaluations	4	2021	4	2021
Travel	1	2021	4	2021