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

Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force / BA 5: System Development & Demonstration (SDD)</i>	R-1 Program Element (Number/Name) PE 0901299F / AF A1 Systems
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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	-	0.000	0.000	8.467	0.000	8.467	0.000	0.000	0.000	0.000	0.000	8.467
650007: <i>AF A1 Systems</i>	-	0.000	0.000	8.467	0.000	8.467	0.000	0.000	0.000	0.000	0.000	8.467
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

This program, BA 5, PE 0901299F, project 650007, Develop The Inspector Generals Instructional and Informational Readiness System (TIGIIRS), is a new start.

A. Mission Description and Budget Item Justification

Inspector Generals (IG) lack a standardized integrated system for planning, executing, reporting & analyzing Wing Performance and Readiness. This capability gap precludes IG from efficiently accomplishing 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. Estimated that the legacy system is not sustainable beyond FY 24. This funding provides for the development foundation of the Next Gen System.

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. Program Change Summary (\$ in Millions)	<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	0.000	0.000	0.000	0.000	0.000
Current President's Budget	0.000	0.000	8.467	0.000	8.467
Total Adjustments	0.000	0.000	8.467	0.000	8.467
• 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	8.467	0.000	8.467

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

	<u>FY 2019</u>	<u>FY 2020</u>	<u>FY 2021</u>
Title: Develop The Inspector Generals Instructional and Informational Readiness System (TIGIIRS)	-	0.000	8.467

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C. Accomplishments/Planned Programs (\$ in Millions)		FY 2019	FY 2020	FY 2021
<p>Description: The RDT&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>FY 2020 Plans: N/A</p> <p>FY 2021 Plans: Identification/Definition of IT Functional Requirements & 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 & evaluations, and AFLCMC Program Management.</p> <p>FY 2020 to FY 2021 Increase/Decrease Statement: New start</p>				
Accomplishments/Planned Programs Subtotals		-	0.000	8.467
D. Other Program Funding Summary (\$ in Millions)				
N/A				
Remarks				
E. Acquisition Strategy				
All funding will be provided to AFLCMC/HIQD for execution with a planned strategy of incremental delivery with management by AFLCMC as integrator.				

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

Appropriation/Budget Activity 3600 / 5	R-1 Program Element (Number/Name) PE 0901299F / AF A1 Systems	Project (Number/Name) 650007 / AF A1 Systems
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Product Development (\$ in Millions)				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			
Identification/Definition of IT Functional Requirements & Information Assets	Various	AFLCMC : San Antonio/Lackland, TX	-	0.000		0.000		1.620	Feb 2021	-		1.620	Continuing	Continuing	-
Development of initial Cybersecurity Strategy	Reqn	AFLCMC : San Antonio/Lackland, TX	-	0.000		0.000		0.750	Mar 2021	-		0.750	Continuing	Continuing	-
Subtotal			-	0.000		0.000		2.370		-		2.370	Continuing	Continuing	N/A

Support (\$ in Millions)				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			
AFLCMC Program Management	Various	AFLCMC : San Antonio/Lackland, TX	-	0.000		0.000		0.877	Nov 2020	-		0.877	Continuing	Continuing	-
Travel	Various	AFLCMC : San Antonio/Lackland, TX	-	0.000		0.000		0.210	Oct 2020	-		0.210	Continuing	Continuing	-
Not specified.	C/CPAF	Not specified. : TBD	-	-		-		-		-		-	Continuing	Continuing	-
Subtotal			-	0.000		0.000		1.087		-		1.087	Continuing	Continuing	N/A

Test and Evaluation (\$ in Millions)				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			
Market Analysis	C/CPAF	AFLCMC : San Antonio/Lackland, TX	-	0.000		0.000		0.540	Dec 2020	-		0.540	Continuing	Continuing	-
Prototyping of viable IT solution concepts	C/CPAF	AFLCMC : San Antonio/Lackland, TX	-	0.000		0.000		1.220	Jan 2021	-		1.220	Continuing	Continuing	-
Clinger Cohen Act compliance evaluation	C/CPAF	AFLCMC : San Antonio/Lackland, TX	-	0.000		0.000		0.610	Jun 2021	-		0.610	Continuing	Continuing	-
Stakeholder demonstrations & evaluations	C/CPAF	AFLCMC : San Antonio/Lackland, TX	-	0.000		0.000		0.430	Jul 2021	-		0.430	Continuing	Continuing	-

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Exhibit R-4, RDT&E Schedule Profile: PB 2021 Air Force **Date:** February 2020

Appropriation/Budget Activity 3600 / 5	R-1 Program Element (Number/Name) PE 0901299F / AF A1 Systems	Project (Number/Name) 650007 / AF A1 Systems
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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

	FY 2019				FY 2020				FY 2021				FY 2022				FY 2023				FY 2024				FY 2025			
<i>IG Instructional & Informational Readiness System (TIGIIRS- Next Gen)</i>																												
AFLCMC Program Management									■	■	■	■																
Identification/Definition of IT Functional Requirements & Information Assets									■																			
Market Analysis									■	■	■	■																
Prototyping of viable IT solution concepts									■																			
Development of initial Cybersecurity Strategy									■	■	■	■																
Clinger Cohen Act compliance evaluation													■	■	■	■												
Assessment of technical solution approaches													■	■	■	■												
Stakeholder demonstrations & evaluations													■	■	■	■												
Travel									■	■	■	■																

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Exhibit R-4A, RDT&E Schedule Details: PB 2021 Air Force **Date:** February 2020

Appropriation/Budget Activity 3600 / 5	R-1 Program Element (Number/Name) PE 0901299F / AF A1 Systems	Project (Number/Name) 650007 / AF A1 Systems
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Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>IG Instructional & Informational Readiness System (TIGIIRS- Next Gen)</i>				
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