Exhibit R-2, RDT&E Budget Item Justification: PB 2019 Air Force											Date: February 2018	
Appropriation/Budget Activity 3600: *Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development*					**R-1 Program Element (Number/Name)** PE 0708055F *I Maintenance, Repair & Overhaul System*							
COST ($ in Millions)	**Prior Years**	**FY 2017**	**FY 2018**	**FY 2019 Base**	**FY 2019 OCO**	**FY 2019 Total**	**FY 2020**	**FY 2021**	**FY 2022**	**FY 2023**	**Cost To Complete**	**Total Cost**
Total Program Element	0.000	0.000	31.677	50.933	0.000	50.933	37.625	34.561	22.027	0.000	0.000	176.823
675207: *Maintenence Repair and Overhaul*	0.000	0.000	31.677	50.933	0.000	50.933	37.625	34.561	22.027	0.000	0.000	176.823
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
Program MDAP/MAIS Code: 523												

Note

In FY 2018 PE 0708610F, Project 675207, MROi efforts were transferred to PE 0708055F, Maintenance, Repair & Overhaul System, Project 675207, Maintenance Repair and Overhaul, in order to improve transparency of this ACAT I acquisition program.

Prior Years Funding $23.741M was executed in PE 0708610F.

A. Mission Description and Budget Item Justification

Maintenance, Repair and Overhaul is an enterprise resource planning IT system that provides an integrated capability for planning, scheduling, and executing organic depot maintenance to support agile planning, optimized workload assignment and resource allocation.

MROi creates an integrated capability that plans, schedules, and executes organic depot maintenance support functions critical to agile planning, optimized workload assignment, resource allocation and throughput, thereby increasing depot maintenance support to the warfighter.

FY 2019 funding will support the development and integration of MROi, leading to a planned Full Deployment Decision/Full Deployment ATP (Authority to Proceed). The MROi implementer will continue to configure the Oracle suite; configure associated Commercial-Off-The-Shelf (COTS) support software; develop Reports, Interfaces, Conversions and Extensions (RICE) software; and develop training materials. Development Testing (DT) activities will begin.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver MROi system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605826F, 0605827F, 0605828F, 0605829F, 0605830F, 0605831F, 0605832F, 0605898F, and 0605833F.

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.

Exhibit R-2, RDT&E Budget Item Justification: PB 2019 Air Force				Date: February 2018	

Appropriation/Budget Activity 3600: *Research, Development, Test & Evaluation, Air Force I* BA 7: *Operational Systems Development*		R-1 Program Element (Number/Name) PE 0708055F *I Maintenance, Repair & Overhaul System*			

B. Program Change Summary ($ in Millions)	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Previous President's Budget	0.000	31.677	45.117	0.000	45.117
Current President's Budget	0.000	31.677	50.933	0.000	50.933
Total Adjustments	0.000	0.000	5.816	0.000	5.816
• 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	5.816	0.000	5.816

Change Summary Explanation

5.816M budget increased due to emerging program office requirements

C. Accomplishments/Planned Programs ($ in Millions)	FY 2017	FY 2018	FY 2019
Title: Maintenance, Repair and Overhaul Initiative (MROi)	0.000	31.677	50.933
Description: The MROi transformation effort will create an integrated capability for planning, scheduling, executing organic depot maintenance to support agile planning, optimizing workload assignment and resource allocation. *FY 2018 Plans:* * FY18 funding supports the development and integration leading to planned Full Deployment capabilities. * The MROi implementer begins to configure the Oracle suite; configure associated COTS support software; and develop Reports, Interfaces, Conversions and Extensions (RICE) software for planned releases. *FY 2019 Plans:* * FY19 funding will support the development and integration of MROi planned releases, leading to a planned Full Deployment Decision/Full Deployment ATP. * The MROi implementer will continue to configure the Oracle suite; configure associated Commercial-Off-The-Shelf (COTS) support software; develop Reports, Interfaces, Conversions and Extensions (RICE) software; and develop training materials. * Development Testing (DT) activities will begin. *FY 2018 to FY 2019 Increase/Decrease Statement:* Funding increase from FY 2018 to FY 2019 due to ramp up of development, integration and testing activities.			
Accomplishments/Planned Programs Subtotals	0.000	31.677	50.933

Exhibit R-2, **RDT&E Budget Item Justification:** PB 2019 Air Force	**Date:** February 2018
Appropriation/Budget Activity 3600: *Research, Development, Test & Evaluation, Air Force I* BA 7: *Operational Systems Development*	**R-1 Program Element (Number/Name)** PE 0708055F *I Maintenance, Repair & Overhaul System*

D. Other Program Funding Summary ($ in Millions)

Line Item	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	Cost To Complete	Total Cost

• OPAF 03 Line Item 834480:
   Maintenance, Repair
   and Overhaul Initiative
	-	-	12.207	-	12.207	1.912	0.000	0.000	-	0.000	14.119

Remarks

E. Acquisition Strategy

MROi will use an incremental build-release acquisition strategy to deliver capability. The program is using a competitive, best value strategy to select a system implementer utilizing the existing NETCENTS-2 Small Business Application Services contract. Hosting infrastructure will be provided through agreements with DISA.

•Development Contract Strategy
-Directed use of NETCENTS II Small Business Application Services IDIQ
--Limited competition to preselected group of small businesses
--Competitive, Best Value Full Trade-off procedures -CPIF (Labor), CPFF (Training, Sustainment); CR (Travel, ODCs); FFP (Level 2 & 3 Support)
--CPIF contract type with cost, schedule, and performance incentives
--Own technical baseline
•Sustainment Contract Strategy
-TBD

F. Performance Metrics

Please refer to the Performance Base Budget Overview Book for information on how Air Force resources are applied and how those resources are contributing to Air Force performance goals and most importantly, how they contribute to our mission.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2019 Air Force											**Date:** February 2018		

Appropriation/Budget Activity 3600 *I* 7	**R-1 Program Element (Number/Name)** PE 0708055F *I Maintenance, Repair &* *Overhaul System*	**Project (Number/Name)** 675207 *I Maintenence Repair and Overhaul*

Product Development ($ in Millions)				FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 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**
Maintenance, Repair and Overhaul Initiative: Configuration System Implementer	C/Various	NETCENTS-2 : WPAFB, OH	-	-		9.733	Feb 2018	20.294	Feb 2019	-		20.294	94.213	124.240	56.000
Maintenance, Repair and Overhaul Initiative: Software Development	Various	Various : WPAFB, OH	-	-		0.638	May 2018	0.599	Jan 2019	-		0.599	0.000	1.237	-
Maintenance, Repair and Overhaul Initiative: Hosting Environtment Support	MIPR	DISA : St. Louis, MO	-	-		3.172	Mar 2018	5.922	Jan 2019	-		5.922	0.000	9.094	-
Maintenance, Repair and Overhaul Initiative: Capabilities Integration Environment (CIE)	MIPR	AFLCMC/HNII : Gunter Annex, AL	-	-		0.054	Feb 2018	1.364	Feb 2019	-		1.364	0.000	1.418	-
Maintenance, Repair and Overhaul Initiative: Legacy Systems Interface Development	C/CPAF	Various : WPAFB, OH	-	-		2.722	Aug 2018	6.881	Jan 2019	-		6.881	0.000	9.603	-
Subtotal			-	-		16.319		35.060		-		35.060	94.213	145.592	N/A

Remarks
 As the acquisition strategy is developed and cost estimates mature, the amount in Cost To Complete will be allocated to the appropriate categories.

Support ($ in Millions)				FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 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**
Maintenance, Repair and Overhaul Initiative: ISP Support	C/CPFF	Copper River : Gunter Annex, AL	-	-		0.265	Mar 2018	0.474	Mar 2019	-		0.474	0.000	0.739	-
Maintenance, Repair and Overhaul Initiative: FFRDC Support	SS/FFP	MITRE : WPAFB, OH	-	-		1.466	Mar 2018	1.439	Mar 2019	-		1.439	0.000	2.905	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2019 Air Force												Date: February 2018		
Appropriation/Budget Activity 3600 / 7				**R-1 Program Element (Number/Name)** PE 0708055F / *Maintenance, Repair &* *Overhaul System*						**Project (Number/Name)** 675207 / *Maintenence Repair and Overhaul*				

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 Total	Cost To Complete	Total Cost	Target Value of Contract
				Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Maintenance, Repair and Overhaul Initiative: Oracle Support	C/Various	Oracle : WPAFB, OH	-	-		-		3.292	Jan 2019	-		3.292	0.000	3.292	-
Maintenance, Repair and Overhaul Initiative: Common Computing Environment	C/Various	Leidos : WPAFB, OH	-	-		5.932	Jan 2018	1.688	Jan 2019	-		1.688	0.000	7.620	-
Maintenance, Repair and Overhaul Initiative: PMO Oracle Support - DDC	SS/CPAF	Oracle : WPAFB, OH	-	-		1.662	Mar 2018	1.411	Jan 2019	-		1.411	0.000	3.073	-
Maintenance, Repair and Overhaul Initiative: Field Assistance Service (FAS)	TBD	Not specified. : WPAFB, OH	-	-		-		0.179	Feb 2019	-		0.179	0.000	0.179	-
Subtotal			-	-		9.325		8.483		-		8.483	0.000	17.808	N/A

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 Total	Cost To Complete	Total Cost	Target Value of Contract
				Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Maintenance, Repair and Overhaul Initiative: Test Support	MIPR	DISA : St. Louis, MO	-	-		0.260	Mar 2018	0.324	Dec 2018	-		0.324	0.000	0.584	-
Maintenance, Repair and Overhaul Initiative: Joint Interoperability Test Command (JITC) Support	MIPR	GSA : WPAFB, OH	-	-		0.025	Mar 2018	0.022	Mar 2019	-		0.022	0.000	0.047	-
Maintenance, Repair and Overhaul Initiative: LDTO Test Support (Cybersecurity)	MIPR	DISA : St. Louis, MO	-	-		-		0.088	Jan 2019	-		0.088	0.000	0.088	-
Maintenance, Repair and Overhaul Initiative: Test Support Hosting Environment	MIPR	DISA : St. Louis, MO	-	-		2.860	Mar 2018	3.011	Mar 2019	-		3.011	0.000	5.871	-

Exhibit R-3, RDT&E Project Cost Analysis: PB 2019 Air Force													Date: February 2018

Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0708055F / Maintenance, Repair & Overhaul System	Project (Number/Name) 675207 / Maintenence Repair and Overhaul

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2017 Cost	FY 2017 Award Date	FY 2018 Cost	FY 2018 Award Date	FY 2019 Base Cost	FY 2019 Base Award Date	FY 2019 OCO Cost	FY 2019 OCO Award Date	FY 2019 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Subtotal			-	-		3.145		3.445		-		3.445	0.000	6.590	N/A

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2017 Cost	FY 2017 Award Date	FY 2018 Cost	FY 2018 Award Date	FY 2019 Base Cost	FY 2019 Base Award Date	FY 2019 OCO Cost	FY 2019 OCO Award Date	FY 2019 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Maintenance, Repair and Overhaul Initiative: ETASS Support	C/CPFF	OASIS : WPAFB, OH	-	-		0.966	Mar 2018	1.966	Mar 2019	-		1.966	0.000	2.932	-
Maintenance, Repair and Overhaul Initiative: PASS Support	C/Various	BTAS : WPAFB, OH	-	-		0.611	Feb 2018	-		-		-	0.000	0.611	-
Maintenance, Repair and Overhaul Initiative: EPASS	C/CPFF	Various : WPAFB, OH	-	-		0.523	Jun 2018	1.279	Jun 2019	-		1.279	0.000	1.802	-
Maintenance, Repair and Overhaul Initiative: PMA	C/CPFF	Various : WPAFB, OH	0.000	-		0.788	Sep 2018	0.700	Sep 2019	-		0.700	0.000	1.488	-
Subtotal			0.000	-		2.888		3.945		-		3.945	0.000	6.833	N/A

	Prior Years	FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	0.000	-		31.677		50.933		-		50.933	94.213	176.823	N/A

Remarks

Prior Years Funding $23.741M was executed in PE 0708610F.

Exhibit R-4, RDT&E Schedule Profile: PB 2019 Air Force		Date: February 2018
Appropriation/Budget Activity 3600 I 7	R-1 Program Element (Number/Name) PE 0708055F I Maintenance, Repair & Overhaul System	Project (Number/Name) 675207 I Maintenence Repair and Overhaul

	FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				FY 2023			
	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
Maintenance, Repair and Overhaul Initiative																												
MILESTONE B (Jan 2018)						▮																						
Contract Award (Feb 2018)						▮																						
Release 1 Development and Deployment						▬▬▬▬▬																						
Release 1 Full Deployment/Limited Deployment ATP (Jan 2020)													▮															
IOC (June 2020)														▬														
Release 2 Development and Deployment								▬▬▬▬▬																				
Release 1 - 4 Full Deployment/Limited Deployment ATP (Oct 2020)																▮												
Release 3 Development and Deployment									▬▬▬▬																		
Release 4 Development and Deployment										▬▬▬▬▬																	
Full Deployment Decision/Full Deployment ATP (June 2021)																		▮										
Release 1 Deployment Limited Deployment Site														▬▬														
Release 1 - 4 Deployment Limited Development Sites																	▬▬▬											
Release 1 - 4 Deployment Full Deployment Sites																			▬▬▬▬								

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Exhibit R-4A, RDT&E Schedule Details: PB 2019 Air Force					Date: February 2018	
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0708055F / Maintenance, Repair & Overhaul System			Project (Number/Name) 675207 / Maintenence Repair and Overhaul	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Maintenance, Repair and Overhaul Initiative				
MILESTONE B (Jan 2018)	2	2018	2	2018
Contract Award (Feb 2018)	2	2018	2	2018
Release 1 Development and Deployment	3	2018	1	2020
Release 1 Full Deployment/Limited Deployment ATP (Jan 2020)	2	2020	2	2020
IOC (June 2020)	3	2020	4	2020
Release 2 Development and Deployment	1	2019	2	2020
Release 1 - 4 Full Deployment/Limited Deployment ATP (Oct 2020)	1	2021	1	2021
Release 3 Development and Deployment	2	2019	1	2020
Release 4 Development and Deployment	4	2019	4	2020
Full Deployment Decision/Full Deployment ATP (June 2021)	3	2021	3	2021
Release 1 Deployment Limited Deployment Site	3	2020	4	2020
Release 1 - 4 Deployment Limited Development Sites	1	2021	3	2021
Release 1 - 4 Deployment Full Deployment Sites	4	2021	3	2022

PE 0708055F: *Maintenance, Repair & Overhaul System*
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