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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 0102110F I UH-1N Replacement Program							
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	86.856	108.617	288.022	0.000	288.022	16.575	7.444	0.000	0.000	0.000	507.514
672021: UH-1N Replacement Program	0.000	86.856	108.617	288.022	0.000	288.022	16.575	7.444	0.000	0.000	0.000	507.514
Quantity of RDT&E Articles	-	-	4	-	-	-	-	-	-	-		
Program MDAP/MAIS Code: 562												
A. Mission Description and Budget Item Justification												
<p>The UH-1N Replacement program will replace the Air Force fleet of UH-1N aircraft with modern helicopters that will close significant mission capability gaps associated with the current fleet of UH-1N aircraft. The replacement aircraft will provide vertical airlift and support the requirements of five Air Force major commands and operating agencies: Air Force Global Strike Command (AFGSC), Air Force District of Washington, Air Education and Training Command, Pacific Air Forces, and Air Force Materiel Command. AFGSC is the Air Force lead command and operational capability requirements sponsor. This program is an element of the Air Force's nuclear enterprise reform initiatives.</p> <p>Program provides continued funding for four aircraft for test, support equipment, training devices, Type I training and courseware, non-developmental integration and associated government activities.</p> <p>This program element may include necessary civilian pay expenses required to manage, execute, and deliver UH-1N Replacement Program weapon 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.</p> <p>FY19 RDT&amp;E funding provides incremental funding for four aircraft for test, support equipment, training, along with NDI integration and associated government activities.</p> <p>This program is in Budget Activity 7, Operational System Development because this budget activity includes integration 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.</p>												

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B. Program Change Summary (\$ in Millions)	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	
Previous President's Budget	14.116	108.617	298.690	0.000	298.690	
Current President's Budget	86.856	108.617	288.022	0.000	288.022	
Total Adjustments	72.740	0.000	-10.668	0.000	-10.668	
• 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	75.000	0.000				
• SBIR/STTR Transfer	0.000	0.000				
• Other Adjustments	-2.260	0.000	-10.668	0.000	-10.668	
Change Summary Explanation						
FY17 \$75M addition due to Procurement Congressional Add funding Reprogramming action. FY17 \$2.260M reduction due to various Below Threshold Reprogramming actions. FY19 \$10.668M reduction is a result of updated program office estimate due to revised acquisition strategy and inflation adjustments.						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2017	FY 2018	FY 2019
Title: UH-1N Replacement Weapon System Integration				86.656	106.882	280.313
Description: Integration of non-developmental item (NDI) hardware, software, training, and other capabilities into existing aircraft system and technical/manufacturing baselines to achieve UH-1N Replacement operational capability requirements.						
FY 2018 Plans: Initiate systems engineering efforts for NDI integration onto an airworthiness-certified aircraft to achieve operational capability requirements, including associated mission planning and aircrew training systems. Includes government oversight of contractor design reviews toward finalizing changes from the airworthiness-certified baseline aircraft specifications. Other contractor and government systems engineering tasks include associated testing and certifications. Management services include miscellaneous program office support, travel, office supplies, and service contracts. Includes incremental funding of four aircraft for test.						
FY 2019 Plans: Continue systems engineering efforts for NDI integration onto an airworthiness-certified aircraft to achieve operational capability requirements, including associated mission planning and aircrew training systems. Includes government oversight of contractor design reviews toward finalizing changes from the airworthiness-certified baseline aircraft specifications. Other contractor and						

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C. Accomplishments/Planned Programs (\$ in Millions)										FY 2017	FY 2018	FY 2019
government systems engineering tasks include associated testing and certifications. Management services include miscellaneous program office support, travel, office supplies, and service contracts. Includes incremental funding of four aircraft for test.												
FY 2018 to FY 2019 Increase/Decrease Statement: RDT&E funding increased due to increased integration activities for NDI aircraft and associated training equipment.												
Title: UH-1N Replacement Test and Evaluation										0.200	1.735	7.709
Description: System and subsystem test and evaluation of the UH-1N Replacement solution.												
FY 2018 Plans: Continue test planning activities. Conduct technical reviews of the UH-1N Replacement contractor's NDI integration onto an airworthiness-certified baseline aircraft system; continue planning for government Developmental Test, Operational Test, and Live Fire Test and Evaluation; procure subsystem component test articles for LFT&E.												
FY 2019 Plans: Continue test planning activities. Conduct technical reviews of the UH-1N Replacement contractor's NDI integration onto an airworthiness-certified baseline aircraft system; continue planning for government Developmental Test, Operational Test, and Live Fire Test and Evaluation; procure subsystem component test articles for LFT&E.												
FY 2018 to FY 2019 Increase/Decrease Statement: RDT&E funding for government test increased due to contractor development testing, LFT&E execution, and Milestone C Test & Evaluation Master Plan.												
Accomplishments/Planned Programs Subtotals										86.856	108.617	288.022
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	
• APAF 04 Line Item H0106O: UH-1N Replacement	18.337	-	0.000	-	0.000	380.181	379.700	467.760	476.259	2,369.611	4,091.848	
• APAF 06 Line Item 000999: Initial Spares/Repair Parts	-	-	-	-	-	16.143	16.593	17.063	17.373	62.244	129.416	
• MILCON PE 0207576F:	-	62.000	66.000	-	66.000	-	-	-	-	0.000	128.000	
Consolidated Helicopter Operations, Tactical Response Force Alert, and Aircraft Maintenance Facilities												

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<b>D. Other Program Funding Summary (\$ in Millions)</b>											
<u>Line Item</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u> <u>Base</u>	<u>FY 2019</u> <u>OCO</u>	<u>FY 2019</u> <u>Total</u>	<u>FY 2020</u>	<u>FY 2021</u>	<u>FY 2022</u>	<u>FY 2023</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
<b>Remarks</b>  <b>E. Acquisition Strategy</b> The Air Force intends to procure an airworthiness-certified baseline helicopter that requires NDI integration (e.g. Electro-Optical/Infrared Sensor, personnel recovery hoists, cockpit/cabin armor, etc.) to meet all operational capability requirements. Specific acquisition and contracting strategies for RDT&E funded integration tasks and the test and evaluation program will be determined as part of the overall program strategy. The Air Force intends to enter the acquisition process at pre-Milestone C and award a contract for this program no later than the end of 3Q/FY2018.											
<b>F. Performance Metrics</b> 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.											

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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 0102110F / UH-1N Replacement Program				Project (Number/Name) 672021 / UH-1N Replacement Program					
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
UH-1N Replacement weapon system integration and type/airworthiness certification	C/FFP	TBD : TBD	-	83.039	Jun 2018	101.882	Jun 2018	271.413	Dec 2018	-		271.413	14.625	470.959	0.000
Subtotal			-	83.039		101.882		271.413		-		271.413	14.625	470.959	N/A
Test and Evaluation (\$ 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
UH-1N Replacement live fire, qualification, and operational test and evaluation planning and technical support	Various	Various : TBD	-	0.200	Dec 2017	1.735	Dec 2018	7.709	Dec 2018	-		7.709	9.394	19.038	-
Subtotal			-	0.200		1.735		7.709		-		7.709	9.394	19.038	N/A
Management Services (\$ 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
UH-1N Replacement program management activity	Various	Various : TBD	-	3.617	Jan 2017	5.000	Jan 2018	8.900	Jan 2019	-		8.900	0.000	17.517	-
Subtotal			-	3.617		5.000		8.900		-		8.900	0.000	17.517	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			-	86.856		108.617		288.022		-		288.022	24.019	507.514	N/A
Remarks															

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<b>Exhibit R-4, RDT&amp;E Schedule Profile:</b> PB 2019 Air Force			<b>Date:</b> February 2018		
<b>Appropriation/Budget Activity</b> 3600 / 7		<b>R-1 Program Element (Number/Name)</b> PE 0102110F / UH-1N Replacement Program			<b>Project (Number/Name)</b> 672021 / UH-1N Replacement Program

	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
<b>UH-1N Replacement Program</b>																												
Acquisition Strategy Panel																												
Pre-Milestone C Review and Contract Award																												
Weapon System Integration																												
-- Purchase of 4 RDT&E Aircraft																												
-- AV CDR																												
-- AV FCA/PCA																												
-- TS CDR																												
-- TS FCA/PCA																												
-- AWP																												
-- Test MFR																												
-- OP MTC																												
System/Subsystem Test and Integration																												
-- LFTE Planning																												
-- LFTE Execution																												
-- DT Planning																												
-- DT Execution																												
-- OT Planning																												
-- OT Execution																												
-- OA Planning																												
-- OA Execution																												

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2019 Air Force			<b>Date:</b> February 2018
<b>Appropriation/Budget Activity</b> 3600 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0102110F / <i>UH-1N Replacement Program</i>	<b>Project (Number/Name)</b> 672021 / <i>UH-1N Replacement Program</i>	

**Schedule Details**

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b><i>UH-1N Replacement Program</i></b>				
Acquisition Strategy Panel	2	2017	2	2017
Pre-Milestone C Review and Contract Award	3	2018	3	2018
Weapon System Integration	3	2018	3	2022
-- Purchase of 4 RDT&E Aircraft	3	2018	1	2020
-- AV CDR	3	2019	3	2019
-- AV FCA/PCA	2	2020	4	2020
-- TS CDR	4	2020	4	2020
-- TS FCA/PCA	1	2022	3	2022
-- AWP	2	2018	4	2020
-- Test MFR	4	2019	4	2019
-- OP MTC	4	2020	4	2020
System/Subsystem Test and Integration	2	2018	4	2021
-- LFTE Planning	2	2018	3	2019
-- LFTE Execution	4	2018	3	2021
-- DT Planning	3	2018	4	2019
-- DT Execution	1	2020	4	2020
-- OT Planning	3	2018	4	2020
-- OT Execution	1	2021	3	2021
-- OA Planning	3	2018	2	2020
-- OA Execution	2	2020	4	2020