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Exhibit R-2, RDT&E Budget Item Justification: FY 2018 Air Force										Date: May 2017		
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 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost
Total Program Element	-	0.000	14.116	108.617	0.000	108.617	298.690	33.400	15.000	0.000	0.000	469.823
672021: UH-1N Replacement Program	-	0.000	14.116	108.617	0.000	108.617	298.690	33.400	15.000	0.000	0.000	469.823
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
Program MDAP/MAIS Code: 562												
A. Mission Description and Budget Item Justification												
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.												
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.												
In 2017 UH-1N Replacement 3600 funding was a new start.												
B. Program Change Summary (\$ in Millions)				FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total				
Previous President's Budget				0.000	14.116	19.675	0.000	19.675				
Current President's Budget				0.000	14.116	108.617	0.000	108.617				
Total Adjustments				0.000	0.000	88.942	0.000	88.942				
• 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	88.942	0.000	88.942				

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Change Summary Explanation FY18 funding was increased \$88.942M based on market research and industry engagement. The Air Force confirmed the UH-1N Replacement program will require non-developmental item (NDI) integration onto an airworthiness-certified helicopter to meet requirements. The exact scope of NDI integration varies based on the potential offerors' platforms. However, this effort will involve one-time non-reoccurring engineering (NRE) activities to complete NDI integration of mature technologies and associated testing and certifications. FY18 will also incrementally fund the procurement of four developmental helicopters and support the integration of UH-1N Replacement operational mission planning and aircrew training systems associated with the aircraft solution. A Developmental Test (DT) effort will be necessary to validate the successful NDI integration and demonstrate performance of new capabilities. Operational Testing (OT) will be necessary to validate the solution's operational performance, effectiveness, and suitability. The DT/OT programs will be integrated to maximum extent possible for schedule efficiency. The Air Force also believes live fire test and evaluation activities will be necessary to assess compliance with the force protection and survivability requirements.				
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2016	FY 2017	FY 2018
Title: UH-1N Replacement Weapon System Integration		0.000	13.916	108.340
Description: Integration of non-developmental equipment and other capabilities into existing aircraft system and technical/ manufacturing baselines to achieve UH-1N Replacement operational capability requirements.				
FY 2016 Accomplishments: N/A				
FY 2017 Plans: Evaluated the design and specifications of potential platforms, to include government systems engineering tasks.				
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. Includes incremental funding of four developmental aircraft.				
Title: UH-1N Replacement Test and Evaluation		0.000	0.200	0.277
Description: System and subsystem test and evaluation of the UH-1N Replacement solution.				
FY 2016 Accomplishments: N/A				
FY 2017 Plans:				

UNCLASSIFIED

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C. Accomplishments/Planned Programs (\$ in Millions)										FY 2016	FY 2017	FY 2018
Initiated Developmental Test, Operational Test, and Live Fire Test and Evaluation planning activities to support future test efforts.												
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.												
Accomplishments/Planned Programs Subtotals										0.000	14.116	108.617
D. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost	
• APAF: BA04: Line Item #H0106O: <i>UH-1N Replacement</i>	2.456	18.337	0.000	0.000	0.000	0.000	347.431	373.337	467.203	2,768.798	3,975.562	
• APAF: BA05: Line Item #H0106O: <i>UH-1N Replacement</i>	0.000	0.000	0.000	0.000	0.000	0.000	0.291	1.777	4.236	0.00	0.000	
• APAF: BA06: Line Item #000999: <i>Initial Spares/Repair Parts</i>	0.000	0.000	0.000	0.000	0.000	0.000	16.271	16.733	17.207	133.544	183.755	
• MILCON: PE 0207576F: <i>Consolidated Helicopter Operations, Tactical Response Force Alert, and Aircraft Maintenance Facilities</i>	19.700	0.000	61.900	0.000	61.900	58.600	0.000	0.000	0.000	0.00	136.600	
Remarks												
E. Acquisition Strategy The Air Force intends to procure an airworthiness-certified baseline helicopter that requires NDI integration (e.g. forward looking infrared sensors, 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 pre-Milestone C, and award a contract for this program no later than the end of 3Q/FY2018.												
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.												

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Exhibit R-3, RDT&E Project Cost Analysis: FY 2018 Air Force												Date: May 2017			
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 2016		FY 2017		FY 2018 Base		FY 2018 OCO		FY 2018 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/TBD	TBD : TBD	-	0.000		13.916	Dec 2017	103.051	Jun 2018	0.000		103.051	Continuing	Continuing	-
Subtotal			-	0.000		13.916		103.051		0.000		103.051	-	-	-
Support (\$ in Millions)				FY 2016		FY 2017		FY 2018 Base		FY 2018 OCO		FY 2018 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
Subtotal			-	-		-		-		-		-	-	-	-
Test and Evaluation (\$ in Millions)				FY 2016		FY 2017		FY 2018 Base		FY 2018 OCO		FY 2018 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	-	0.000		0.200	Dec 2017	0.277	Dec 2018	0.000		0.277	Continuing	Continuing	
Subtotal			-	0.000		0.200		0.277		0.000		0.277	-	-	-
Management Services (\$ in Millions)				FY 2016		FY 2017		FY 2018 Base		FY 2018 OCO		FY 2018 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	-	0.000		0.000	Jan 2017	5.289		0.000		5.289	Continuing	Continuing	-
Subtotal			-	0.000		0.000		5.289		0.000		5.289	-	-	-

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	Prior Years	FY 2016		FY 2017		FY 2018 Base		FY 2018 OCO		FY 2018 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	-	0.000		14.116		108.617		0.000		108.617	-	-	-
Remarks													

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Exhibit R-4, RDT&E Schedule Profile: FY 2018 Air Force			Date: May 2017		
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		

	FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022			
	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
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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Exhibit R-4A, RDT&E Schedule Details: FY 2018 Air Force			Date: May 2017
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0102110F / <i>UH-1N Replacement Program</i>	Project (Number/Name) 672021 / <i>UH-1N Replacement Program</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Acquisition Strategy Panel	2	2017	2	2017
Pre-Milestone C Review and Contract Award	3	2018	3	2018
Weapon System Integration	3	2018	4	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	4	2020	3	2021
-- OA Planning	3	2018	2	2020
-- OA Execution	2	2020	4	2020