Exhibit R-2, RDT&E Budget Item Justification: FY 2018 Air Force

Date: May 2017

Appropriation/Budget Activity

R-1 Program Element (Number/Name)

3600: Research, Development, Test & Evaluation, Air Force I BA 7:

PE 0207133F *I F-16 Squadrons*

Operational Systems Development

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	-	153.611	147.795	246.578	0.000	246.578	213.296	143.021	146.216	149.210	Continuing	Continuing
672671: F-16 Squadrons	-	153.611	147.795	246.578	0.000	246.578	213.296	143.021	146.216	149.210	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

This program, BA 07 PE 0207133F, project 672671, Hybrid Flight Control Computer (HFLCC) Auto Ground Collision Avoidance System (AGCAS), is a new start.

This program, BA 07 PE 0207133F, project 672671, Digital Radar Warning Receiver, is a new start.

This program, BA 07 PE 0207133F, project 672671, Automatic Dependent Surveillance – Broadcast (ADS-B) Out, is a new start.

A. Mission Description and Budget Item Justification

This program element may include necessary civilian pay expenses required to manage, execute, and deliver F-16 weapon system capability.

The F-16 Fighting Falcon is the world's premier fixed-wing, high performance, single engine multi-mission fighter aircraft that comprises 50% of the AF fighter inventory. Operational since 1980, the F-16 has proven itself in combat in a variety of air-to-air and air-to-surface missions, such as, offensive and defensive counter-air, close air support, forward air control, air interdiction (day/night and all-weather) and Suppression of Enemy Air Defenses (SEAD)/destruction of enemy air defenses (DEAD). The F-16 remains the USAF's primary SEAD/DEAD platform. The aircraft has evolved its capabilities by capitalizing upon advancements made in computers, avionics systems, engines, and structures technologies to meet emerging warfighter requirements and combat current and evolving enemy threats.

The modification programs are separated as fleet wide, Pre-Block (25/30/32) or Post-Block (40/42/50/52). Modification programs include: Operational Flight Program (OFP) development on Post-Block OFPs required to integrate new precision weapons, advanced targeting pods, improved avionics, hardware (HW) and software (SW) mods to meet DoD mandates and keep the F-16, the respective training simulators, and other hardware subsystems current; Legacy Post-Block Service Life Extension Program (SLEP), which is a two-phased RDT&E effort, includes a Full Scale Durability Test (FSDT) and Engineering, Manufacturing and Development (EMD) to support structural modifications to increase Certified Service Life (CSL) from 8,000 Equivalent Flight Hours (EFH) to 10,000 EFH (Threshold), or 12,000 EFH (Objective); EMD Hardware/Advanced capability improvements require funding to develop, test, and qualify, weapon systems, aircraft subsystems replaced or modified due to requirements changes, pre-planned product improvements (P3I), Diminishing Manufacturing Sources (DMS) and parts obsolescence; Modular Mission Computer (MMC)Upgrade/Display Generator Upgrade resolves shortfalls in Post-Block mission computer memory and throughput brought on by the addition of incremental combat capability addresses cyber-security and includes Non-Recurring Engineering (NRE), design, development, integration, and ground/flight test for fielding; F-16 Training Simulator updates enable the USAF to exercise/train using the most current F-16 OFP available to all block configurations, to include both aircrew and maintenance trainers; Joint Air-to-Surface Standoff Missile-Extended Range (JASSM-ER) on F-16 Post-Block aircraft, and includes NRE, test assets, SEEK EAGLE, integration, and flight test; improved satellite communication (SATCOM) radio upgrade with Mobile User Objective System (MUOS) capability on F-16 Post-Block aircraft to meet next-gen tactical narrowband SATCOM with better crypto capabilities; an active electronically scanned array (AESA) radar ca

PE 0207133F: *F-16 Squadrons*

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Exhibit R-2, RDT&E Budget Item Justification: FY 2018 Air Force

Date: May 2017

Appropriation/Budget Activity

R-1 Program Element (Number/Name)

3600: Research, Development, Test & Evaluation, Air Force I BA 7:

PE 0207133F *I F-16 Squadrons*

Operational Systems Development

terrain (CFIT) accidents using terrain database and prediction algorithms for aircraft trajectory recovery and executes an automated fly up maneuver to avoid collision; Automatic Dependent Surveillance – Broadcast (ADS-B) Out on F-16 Pre-Block aircraft provides improved altitude, airspeed and location info to ground stations and other equipped aircraft in vicinity; Digital Radar Warning Receiver improves on existing radar warning receiver performance and improves Electronic Warfare (EW) threat detection range, azimuth, detection time, and allows reduction of radio frequency compatibility issues with other on board transmitters.

This program is in Budget Activity 7, Operational System Development because it 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.

B. Program Change Summary (\$ in Millions)	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total
Previous President's Budget	166.297	132.795	235.894	0.000	235.894
Current President's Budget	153.611	147.795	246.578	0.000	246.578
Total Adjustments	-12.686	15.000	10.684	0.000	10.684
 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 	-12.686	15.000			
SBIR/STTR Transfer	0.000	0.000			
Other Adjustments	0.000	0.000	10.684	0.000	10.684

Congressional Add Details (\$ in Millions, and Includes General Reductions)

Project: 672671: F-16 Squadrons

Congressional Add: AESA Radars

	FY 2016	FY 2017
	40.000	0.000
Congressional Add Subtotals for Project: 672671	40.000	0.000
Cananasianal Add Tatala for all Dusia da	40.000	0.000
Congressional Add Totals for all Projects	40.000	0.000

Change Summary Explanation

FY16 reduction of -\$12.686M for higher Air Force priorities

FY17 adds \$15M for Active Electrically Scanned Array (AESA) to complete the Joint Urgent Operational Need (JUON) development effort (started with \$40M Congressional Add in FY16).

PE 0207133F: F-16 Squadrons

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Appropriation/Budget Activity R-1 Program Element (Number/Name)					
3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					
FY18 adds funds for Hybrid Flight Control Computer (HFLCC) Auto Ground Collision Avoidance System and Auton (ADS-B)	natic Dependent Surve	illance – Broa	adcast		
C. Accomplishments/Planned Programs (\$ in Millions)	FY 2016	FY 2017	FY 2018		
Title: OFP Updates on Post-Block (40/42/50/52) aircraft	57.456	87.823	76.882		
Description: OFP M-tapes are updated continually to integrate new weapons, targeting pods, and improved avionics. M7 the first OFP developed by the 309th SMG at Hill AFB includes AIM-9X Block II updates and fields in 2017. M7.2+ OFP is design phase and will incorporate DoD mandates and is scheduled to field in 2019. M8+ is in the early stages of planning incorporate the MMC upgrade architecture and Display Generator Upgrade and is scheduled to field in 2022. The OFP efficients Program Management Administration (PMA) support activities to include travel, office supplies, training courses, Teleconferencing (VTC) and support contractors.	in SW and will fort also				
FY 2016 Accomplishments: M7.1+ finished DT and entered dedicated Operational Test (OT) for fielding in FY 2017. M7.2+ continued design and code of selected candidates. The program office finalized procurement of M7.2+ test assets to meet OFP Mandates. Began M8+ assessment for incorporating MMC Upgrade architecture and Display Generator Upgrade, continued PMA support activities.					
FY 2017 Plans: M7.1+ completes OT and fields in FY 2017. M7.2+ begins SIL and developmental flight test. Finalize procurement of M7.2+ test assets to meet OFP Mandates. M8+ Conduct Multifunctional Cockpit Review (MCR) of baseline candidates, initiate early SW design and code for rehosting MMC upgrade architecture and Display Generator Upgrade, begin assessment for Design Try Out (DTO) test planning, and initiate procurement of test assets. Continue PMA support activities.					
FY 2018 Plans: Continue M7.2+ combined developmental flight and Operational Flight Test, initiate dedicated OTE. M8+ conduct System Functional Review of baseline candidates, start SW design and code for rehosting MMC upgrade architecture and Display Generator Upgrade, begin assessments for Design Try Out (DTO) test planning, and initiate procurement of test assets. M begins early assessment for requirements. Continue PMA support activities.					
Title: Flight Test	9.219	17.718	16.692		
Description: Development Test and Evaluation (DTE) at Edwards AFB and Development Test/Operational Test (DT/OT) at Eglin AFB including integration test of associated subsystems and weapons as well as maintain test schedule for F-16 Blo 40/42/50/52 MMC OFPs, weapons integration, and sub-systems to ensure capabilities meet CAF's fielding schedule.					
FY 2016 Accomplishments:					

PE 0207133F: F-16 Squadrons Air Force

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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 0207133F I F-16 Squadrons							
C. Accomplishments/Planned Programs (\$ in Millions) Continued support of DTE infrastucture. Completed M7.1+ combined DT/O M7.2+ DTO test planning. Supported out-of-cycle regression testing.	T testing, entered dedicated M7.1+ OTE, initiated	FY 2016	FY 2017	FY 2018			
FY 2017 Plans: M7.1+ completes dedicated OT and fields in FY 2017. Continue support of DTE infrastucture. Initiate M7.2+ test planning for AESA JUON, M7.2+ begins developmental flight test, support out-of-cycle regression testing.							
FY 2018 Plans: Initiate AESA development flight test with M7.2+ OFP, continue M7.2+ combined developmental flight and Operational flight test, initiate dedicated OTE, continue support of DTE infrastructure, support out-of- cycle regression testing.							
Title:Legacy Post-Block (40/42/50/52)Service Life Extension Program (SLEP)Structures31.3820.000							
Description: F-16 Legacy Service Life Extension Program (SLEP): A two-pl Durability Test (FSDT) and Engineering, Manufacturing and Development (EBlock 40/42/50/52 F-16 aircraft to increase service life. FSDT is required to airworthiness certification basis to extend the current Certified Service Life fr EFH (Threshold), or 12,000 EFH (Objective). SLEP EMD develops the engi structural issues defined in FSDT and develop the airworthiness certification							
FY 2016 Accomplishments: Received final FSDT tear-down report and submitted airworthiness Compliance Report for Kit Proof aircraft, finalized EMD contract efforts for design development and integration efforts, completed Milestone B June 2016 and initiated Kit Proof in 2016.							
FY 2017 Plans: N/A							
FY 2018 Plans: N/A							
Title: EMD HW/Advanced Capabilities Improvements		2.500	0.200	0.200			
Description: Advanced Capability Improvements includes, but not limited to sensor upgrades, Radar updates and other self-protection/electronic protection (EP) enhancements, 4th/5th gen fighter network communications, lab and/or on-aircraft evaluation of potential subsystem changes/capability improvements.							
FY 2016 Accomplishments:							

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Exhibit R-2, RDT&E Budget Item Justification: FY 2018 Air Force		Date: M	lay 2017				
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development							
C. Accomplishments/Planned Programs (\$ in Millions)	FY 2016	FY 2017	FY 2018				
Continued support to develop, test, and qualify aircraft weapons systems increquirements changes, P3I, DMS and/or parts obsolescence.							
FY 2017 Plans: Continue support to develop, test, and qualify aircraft weapons systems including F-16 subsystems replaced or modified due to requirements changes, P3I, DMS and/or parts obsolescence.							
FY 2018 Plans: Continue support to develop, test, and qualify aircraft weapons systems including F-16 subsystems replaced or modified due to requirements changes, P3I, DMS and/or parts obsolescence.							
Title: MMC Upgrade / Display Generator Upgrade on F-16 Post-Block (40/42/50/52) aircraft 11.004 16.618 20							
Description: The MMC upgrade on Block 40/42/50/52 aircraft resolves shor Funding includes NRE, design, development, integration, and ground/flight to Ethernet High Speed Data Network (HSDN) facilitates future increments of copod video). The Programmable Display Generator (PDG)upgrade allows a funds On Throttle and Stick (HOTAS) integration with Sensor of Interest (SC 4x4 displays; provides improved display formats during dynamic maneuvers; constraints; and provides a sustainable approach to address growing DMS of Generator.							
FY 2016 Accomplishments: Continued NRE activities for HSDN, and test asset procurement.							
FY 2017 Plans: Continue NRE activities for HSDN, MMC Upgrade and PDG Upgrade for design, development, integration, and ground/flight test for fielding with the M8+ OFP.							
FY 2018 Plans: Continue NRE activities for HSDN, MMC Upgrade and PDG Upgrade for design, development, integration, deliver test assets for SIL and flight test for fielding with the M8+ OFP.							
Title: JASSM-ER on F-16 Post-Block (40/42/50/52) aircraft		0.000	4.000	0.000			
Description: Integrates JASSM-ER on F-16 Block 40/42/50/52 aircraft, including NRE, SEEK EAGLE, test assets, integration, and flight test. This capability will be fielded with M7.2+.							
FY 2016 Accomplishments:							

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Exhibit R-2, RDT&E Budget Item Justification: FY 2018 Air Force		Date: N	1ay 2017		
ppropriation/Budget Activity 600: Research, Development, Test & Evaluation, Air Force I BA 7: perational Systems Development R-1 Program Element (Number/Name) PE 0207133F I F-16 Squadrons					
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2016	FY 2017	FY 2018	
Continued NRE for integration of JASSM-ER capability on F-16 Block 40/4	42/50/52 aircraft.				
FY 2017 Plans: Finalize NRE for integration of JASSM-ER capability on F-16 Block 40/42/	/50/52 aircraft.				
FY 2018 Plans: N/A					
Title: Simulator Trainers		2.050	2.475	2.049	
Description: Enables the USAF to exercise and train using the latest F-10 configurations, while reducing the overall cost of maintenance and aircrew aircraft OFP, this funding supports development, test, and integration of significant contents.					
FY 2016 Accomplishments: Began contract efforts for managing and maintaining F-16 simulator traines supported development, test, and integration of simulator upgrades, to incomplish the support of the					
FY 2017 Plans: Continue contract efforts for managing and maintaining F-16 simulator tra also supports development, test, and integration of simulator upgrades, to					
FY 2018 Plans: Continue contract efforts for managing and maintaining F-16 simulator tra also supports development, test, and integration of simulator upgrades, to					
Title: AESA Radars (1)		0.000	15.000	40.766	
Description: This is a continuation of the Active Electronically Scanned A in FY16. The AESA Program provides an upgrade from the current APG-6 electronic protection capabilities as well as improved reliability and maintamission for Homeland Defense (HLD)and includes the Phase III developmentation.					
FY 2016 Accomplishments: N/A					
FY 2017 Plans:					

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Exhibit R-2, RDT&E Budget Item Justification: FY 2018 Air Force Date: May 2017					
R-1 Program Element (Number/Name) PE 0207133F <i>I F-16 Squadrons</i>					
	FY 2016	FY 2017	FY 2018		
nt(began under FY16 Congressional Add).					
	0.000	3.961	12.416		
Description: Provides updates to the ARC-210 satellite communication (SATCOM) radios on F-16 Block 40/42/50/52 aircraft including Second Generation Anti-Jam Tactical radio for NATO (SATURN) with Mobile User Objective System (MUOS) and improved crypto capability.					
e System (AGCAS)	0.000	0.000	18.962		
Description: Development for Hybrid Flight Control Computer (HFLCC) Auto Ground Collision Avoidance System (AGCAS).					
ent and begin Algorithm design development for ition.					
	0.000	0.000	54.587		
	DE 0207133F I F-16 Squadrons Int(began under FY16 Congressional Add). DM) radios on F-16 Block 40/42/50/52 aircraft Mobile User Objective System (MUOS) and E System (AGCAS) Found Collision Avoidance System (AGCAS).	R-1 Program Element (Number/Name) PE 0207133F / F-16 Squadrons FY 2016 Thick (began under FY16 Congressional Add). 0.000 OM) radios on F-16 Block 40/42/50/52 aircraft Mobile User Objective System (MUOS) and e System (AGCAS) round Collision Avoidance System (AGCAS).	R-1 Program Element (Number/Name) PE 0207133F / F-16 Squadrons FY 2016 FY 2017 Int(began under FY16 Congressional Add). OM) radios on F-16 Block 40/42/50/52 aircraft Mobile User Objective System (MUOS) and PE System (AGCAS) Tound Collision Avoidance System (AGCAS).		

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Exhibit R-2, RDT&E Budget Item Justification: FY 2018 Air Force				Date: N	lay 2017	
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development	R-1 Program Element (Number/Nar PE 0207133F <i>I F-16 Squadrons</i>	ne)				
C. Accomplishments/Planned Programs (\$ in Millions)			FY	2016	FY 2017	FY 2018
Description: Digital Radar Warning Receiver improves on existing radar war Warfare (EW) threat detection range.	arning receiver performance and improves	s Electro	nic			
FY 2016 Accomplishments: N/A						
FY 2017 Plans: N/A						
FY 2018 Plans: Initiate contract efforts for Digital Radar Warning Receiver, begin NRE efforts for Group A and Group B Hardware, begin Digital RWR Software and	d any associated OFP updates."					
Title: Automatic Dependent Surveillance – Broadcast (ADS-B) Out				0.000	0.000	3.082
Description: Automatic Dependent Surveillance – Broadcast (ADS-B) Out prinformation to ground stations and other appropriate receiving equipped airc		location				
Funds are included to accommodate the FAA mandate for ADS-B as outline	ed throughout previous AF and DoD budg	et exhibi	ts.			
FY 2016 Accomplishments: N/A						
FY 2017 Plans: N/A						
FY 2018 Plans: Initiate development efforts and contract award for hardware and software u (CIT) and GPS card on F-16 Block 25/30/32 aircraft.	pdates to the Combined Interrogator Tran	nsponde	r			
Funds are included to accommodate the FAA mandate for ADS-B as outline	ed throughout previous AF and DoD budg	et exhibi	ts.			
	Accomplishments/Planned Prograi	ms Subt	otals	113.611	147.795	246.578
	F	Y 2016	FY 2017			
Congressional Add: AESA Radars		40.000	0.000			

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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

PE 0207133F *I F-16 Squadrons*

R-1 Program Element (Number/Name)

	FY 2016	FY 2017
FY 2016 Accomplishments: Initiated contract efforts for Phase 1 and II JUON Development source selection on the active electronically scanned array (AESA) radar, contract award expected 2017.		
FY 2017 Plans: N/A		
Congressional Adds Subtotals	40.000	0.000

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

		-	FY 2018	FY 2018	FY 2018					Cost To	
<u>Line Item</u>	FY 2016	FY 2017	Base	<u>000</u>	<u>Total</u>	FY 2019	FY 2020	FY 2021	FY 2022	Complete	Total Cost
APAF: BA05: Line Item #	12.134	257.331	203.864	0.000	203.864	308.517	322.119	581.899	416.695	Continuing	Continuing
F01600: F-16 Aircraft Modifications											
• APAF: BA07: Line Item # F0160P:	8.969	15.155	18.051	0.000	18.051	18.613	22.021	25.611	19.873	Continuing	Continuing
F-16 Post Production Support											
APAF: BA06: Line Item #	0.472	2.059	14.417	0.000	14.417	11.115	30.489	25.389	15.756	Continuing	Continuing
F01600: F-16 Initial Spares											

Remarks

Air Force

E. Acquisition Strategy

The F-16 Program acquisition strategy is to improve capability, maintenance and safety mods through OFP development/flight test, enhanced weapons integration, structural upgrades, and simulator concurrency.

F-16 OFP SW updates will be continually updated on a 3-year cycle to bring new capabilities to the warfighter. M7+ OFP SW development effort is now completely developed at Hill AFB (309 SMXG). Numerous Integration contracts (CPFF, FFP) are required to allow for Weapon, ADS-B, MIDS- JTRs integration to successfully field with each OFP.

The Legacy SLEP program uses various contracts supporting Full Scale Durability Test (FSDT) and feeds the EMD effort to develop mod test kits and airworthiness certification recommendation. The prime contractor providing the majority of EMD is Lockheed Martin.

MMC Upgrade, PDG Upgrade programs have completed source selection. MMC Upgrade awarded to Raytheon on 22 Nov 2016. PDG Upgrade awarded to General Dynamics Mission Systems on 17 Apr 2017.

The EMD HW/Advanced capability improvements will develop, test, and qualify aircraft weapons systems, including subsystems and uses various contract types (Cost Plus and Fixed Price)

PE 0207133F: *F-16 Squadrons*

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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 0207133F I F-16 Squadrons
The Active Electronically Scanned Array (AESA) Joint Urgent Operational I contract award for the EMD phase.	Need (JUON)development is currently in negotiations with the prime vendor for a development
The new start programs in FY18; Digital Radar Warning Receiver, ADS-B source selection.	Out Pre-Blocks and Auto-GCAS Pre-Block are all in acquisition development prior to entering
Flight Test requires both organic test range support and various contract su schedule.	upport for integration test of F-16 subsystems to ensure capabilities meet CAF fielding
F. Performance Metrics Please refer to the Performance Base Budget Overview Book for information Force performance goals and most importantly, how they contribute to our	on on how Air Force resources are applied and how those resources are contributing to Air mission.

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Exhibit R-3, RDT&E Project Cost Analysis: FY 2018 Air Force

Date: May 2017

Appropriation/Budget Activity

R-1 Program Element (Number/Name)
PE 0207133F / F-16 Squadrons

PE 0207133F / F-16 Squadrons

Product Development (\$ in Millions)			FY 2016		FY 2	2017		2018 ase	FY 2		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	Total Cost	Target Value of Contract
OFP Updates on Post- Block (40/42/50/52) aircraft	Various	309th SMG : Hill AFB, UT	-	49.594	Nov 2015	79.503	Nov 2016	68.342	Nov 2017	0.000		68.342	Continuing	Continuing	-
Legacy Post-Block (40/42/50/52) Service Life Extension Program (SLEP) Structures	Various	Various : Various	-	31.382	Nov 2015	0.000		0.000		0.000		0.000	0.000	31.382	-
MMC Upgrade / Display Generator Upgrade on F-16 Post-Block (40/42/50/52) aircraft	Various	TBD : TBD	-	11.004	Sep 2016	16.618	Jan 2017	20.942	Jan 2018	0.000		20.942	Continuing	Continuing	-
JASSM-ER on F-16 Post- Block (40/42/50/52) aircraft	Various	Various : Various	-	0.000	Mar 2016	4.000	Mar 2017	0.000		0.000		0.000	0.000	4.000	24.500
EMD HW / Advanced Capabilities	Various	Various : Various	-	2.500	Aug 2016	0.200	Aug 2017	0.200	Aug 2018	0.000		0.200	Continuing	Continuing	-
Simulator Trainers	Various	Various : Various	-	2.050	Mar 2016	2.475	Mar 2017	2.049	Mar 2018	0.000		2.049	Continuing	Continuing	-
AESA Radars	Various	TBD : TBD	-	40.000	Aug 2017	15.000	Aug 2017	40.766	Jan 2018	0.000		40.766	Continuing	Continuing	-
Digital Radar Warning Receiver	Various	TBD : TBD	-	0.000		0.000		54.587	Feb 2018	0.000		54.587	Continuing	Continuing	-
Comm Suite Radio Upgrade on F-16 Post- Block (40/42/50/52) aircraft	Various	TBD : TBD	-	0.000		3.961	Apr 2017	12.416	Feb 2018	0.000		12.416	Continuing	Continuing	-
Hybrid Flight Control Computer (HFLCC) AGCAS	Various	TBD : TBD	-	0.000		0.000		18.962	Mar 2018	0.000		18.962	Continuing	Continuing	-
Automatic Dependent Surveillance – Broadcast (ADS-B) Out	Various	TBD : TBD	-	0.000		0.000		3.082	Mar 2018	0.000		3.082	Continuing	Continuing	-
		Subtotal	_	136.530		121.757		221.346		0.000		221.346	-	-	-

PE 0207133F: *F-16 Squadrons*

Air Force

Appropriation/Budg 3600 / 7			o gram Ele 7133F <i>I F</i>	•	umber/Na adrons	_	(Number I F-16 Sq								
Support (\$ in Millions)				FY 2	FY 2016		FY 2017		FY 2018 Base		:018 :O	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	Total Cost	Target Value of Contract
		Subtotal	-	-		-		-		-		-	-	-	-
Test and Evaluation (\$ in Millions)				FY 2016		FY 2017		FY 2018 Base		FY 2		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
Flight Tests	Various	Various : Various	-	9.219	Nov 2015	17.718	Nov 2016	16.692	Nov 2017	0.000		16.692	Continuing	Continuing	-
		Subtotal	-	9.219		17.718		16.692		0.000		16.692	-	-	-
Management Service	es (\$ in M	lillions)		FY 2	2016	FY 2	2017	FY 2 Ba	2018 ise	FY 2		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	Total Cost	Target Value of Contract
Program Mgmt Administrative (PMA) Support	Various	Various : Various	-	7.862	Apr 2016	8.320	Apr 2017	8.540	Apr 2018	0.000		8.540	Continuing	Continuing	-
		Subtotal	-	7.862		8.320		8.540		0.000		8.540	-	-	-
			Prior Years	FY 2016		FY 2	2017	FY 2 Ba	2018 ise	FY 2		FY 2018 Total	Cost To	Total Cost	Target Value of Contract
		Project Cost Totals	-	153.611		147.795		246.578		0.000		246.578	_	_	-

Remarks

PE 0207133F: *F-16 Squadrons*

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khibit R-4, RDT&E Schedule Profile: FY 2018 A	r For	ce																			Da	te: N	1ay 2	2017	7			
Appropriation/Budget Activity 3600 / 7						R-1 Program Element (Number/Name) PE 0207133F <i>I F-16 Squadrons</i>												Project (Number/Name) 672671 / F-16 Squadrons										
	FY 2016 FY 2017					7 FY 2018					FY 2019					FY 2	2020	0	FY 2021					FY	Y 2022			
	1	2	3	4 1	1 2	2 3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3		
Service Life Extension Program (SLEP) MS B																												
MMC Upgrade / Display Generator Upgrade HW MS B																												
MMC Upgrade Contract Award																												
Begin SLEP Kit Proof																												
M7.1+ OFP Field																												
M8+ OFP Multifunctional Cockpit Review #1																												
Comm Suite Radio Upgrad Contract Award																												
Homeland Defense (HLD) AESA JUON Contract Award																												
Hybrid Flight Control Computer (HFLCC) AGCAS ASP																												
Hybrid Flight Control (HFLCC) AGCAS CDR																												
ADS-B OUT Contract Award																												
MMC Upgrade / Display Generator Upgrade Flt Test Release																												
M9+ OFP System Functional Review																												
AESA JUON Initial Fielding																												
Hybrid Flight Control Computer (HFLCC) ACGAS Field																												
Digital Radar Warning Receiver Flt Test Complete																												
Digital Radar Warning Receiver Fielding Recommendation																												
M8+ OFP Fielding with MMC Upgrade, Display Generator Upgrade				,		,																						

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Exhibit R-4A, RDT&E Schedule Details: FY 2018 Air Force			Date: May 2017
Appropriation/Budget Activity	R-1 Program Element (Number/Name)	Project (N	umber/Name)
3600 / 7	PE 0207133F <i>I F-16 Squadrons</i>	672671 <i>I F</i>	-16 Squadrons

Schedule Details

	Sta	En	nd		
Events	Quarter	Year	Quarter	Year	
Service Life Extension Program (SLEP) MS B	3	2016	3	2016	
MMC Upgrade / Display Generator Upgrade HW MS B	4	2016	4	2016	
MMC Upgrade Contract Award	4	2016	4	2016	
Begin SLEP Kit Proof	4	2016	4	2016	
M7.1+ OFP Field	1	2017	1	2017	
M8+ OFP Multifunctional Cockpit Review #1	2	2017	2	2017	
Comm Suite Radio Upgrad Contract Award	3	2017	3	2017	
Homeland Defense (HLD) AESA JUON Contract Award	4	2017	4	2017	
Hybrid Flight Control Computer (HFLCC) AGCAS ASP	1	2018	1	2018	
Hybrid Flight Control (HFLCC) AGCAS CDR	3	2018	3	2018	
ADS-B OUT Contract Award	3	2018	3	2018	
MMC Upgrade / Display Generator Upgrade Flt Test Release	3	2019	3	2019	
M9+ OFP System Functional Review	4	2020	4	2020	
AESA JUON Initial Fielding	3	2019	3	2019	
Hybrid Flight Control Computer (HFLCC) ACGAS Field	1	2021	1	2021	
Digital Radar Warning Receiver Flt Test Complete	3	2021	3	2021	
Digital Radar Warning Receiver Fielding Recommendation	4	2021	4	2021	
M8+ OFP Fielding with MMC Upgrade, Display Generator Upgrade	3	2022	3	2022	

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