

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft /
BSA 2: Tactical Aircraft

P-1 Line Item Number / Title:
F01600 / F-16

ID Code (A=Service Ready, B=Not Service Ready): B **Program Elements for Code B Items:** 0207133F, 0207445F, 0809731F **Other Related Program Elements:** 0207133F, 0207445F, 0207701F

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	116.330	274.331	203.864	324.312	0.000	324.312	312.860	765.483	607.657	616.590	1,081.962	4,303.389
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	116.330	274.331	203.864	324.312	0.000	324.312	312.860	765.483	607.657	616.590	1,081.962	4,303.389
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	116.330	274.331	203.864	324.312	0.000	324.312	312.860	765.483	607.657	616.590	1,081.962	4,303.389

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The F-16 is a multi-role fighter capable of employing a wide variety of nuclear and conventional weapons and missiles in both the air-to-surface and air-to-air mission areas. There are 939 aircraft in the F-16 fleet, consisting of 613 Post-Block (40/42/50/52) and 326 Pre-Block (25/30/32). The Post-Block aircraft have a service life of 8,000 EFH and the Pre-Block have a service life of 10,800 EFH. The average age of the fleet is 25.75 years. The specific modifications budgeted and programmed are below.

Funding for the Link 16 Crypto mod is budgeted in PE 0207445F.
Funding for AETC-MTD Trainers mod is budgeted in PE 0809731F.
Funding for all other F-16 mods in this exhibit is budgeted in PE 0207133F.

In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

Secondary Distribution		FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	105.762	164.969	267.351	-	267.351	263.371	656.511	569.856	577.129
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	168.569	38.895	56.005	-	56.005	46.449	108.972	37.801	39.461
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	0.956	-	0.956	3.040	-	-	-
Total:	Quantity	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft		P-1 Line Item Number / Title: F01600 / F-16
ID Code (A=Service Ready, B=Not Service Ready): B	Program Elements for Code B Items: 0207133F, 0207445F, 0809731F	Other Related Program Elements: 0207133F, 0207445F, 0207701F

Line Item MDAP/MAIS Code: N/A

Secondary Distribution		FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023
Secondary Distribution	Total Obligation Authority	274.331	203.864	324.312	-	324.312	312.860	765.483	607.657	616.590

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force **Date: February 2018**

Appropriation / Budget Activity / Budget Sub Activity:
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft

P-1 Line Item Number / Title:
F01600 / F-16

ID Code (A=Service Ready, B=Not Service Ready): B **Program Elements for Code B Items:** 0207133F, 0207445F, 0809731F **Other Related Program Elements:** 0207133F, 0207445F, 0207701F

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a***	602148 / MMC and Display Generator Upgrade (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / -
P-40a***	633030 / Aggressors Update (Capability Improvement)				- / -	- / 6.925	- / 5.306	- / 1.154	- / -	- / 1.154
P-40a***	633041 / Anti Jam (Capability Improvement)				- / -	- / 5.000	- / -	- / -	- / -	- / -
P-40a***	633042 / Missile Warning Systems (Capability Improvement)				- / -	- / 12.000	- / -	- / -	- / -	- / -
P-40a***	661652 / Link 16 Crypto (Capability Improvement)				- / 3.200	- / 6.447	- / -	- / -	- / -	- / -
P-40a***	694050 / AESA Radars (Capability Improvement)				- / -	- / 216.496	- / 2.873	- / 0.899	- / -	- / 0.899
P-40a***	704050 / Digital Radar Warning Receiver (RWR) (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / -
P-40a***	8662 / AETC MTD UPGRADES-FIELD TRAINING DETACHMENTS (Capability Improvement)				- / 98.541	- / 6.996	- / 5.291	- / 5.335	- / -	- / 5.335
P-40a***	866250 / F-16 TRAINING SYSTEMS (Capability Improvement)				- / 3.250	- / 2.875	- / 3.949	- / 4.280	- / -	- / 4.280
P-40a***	99999X / Low Cost Modifications (Capability Improvement)				- / 11.339	- / -	- / 0.003	- / 2.000	- / -	- / 2.000
P-3a	602600 / F-16 LEGACY STRUCTURAL SLEP (Service Life Extension)			B	- / 0.000	- / 3.517	- / 18.127	- / 36.676	- / 0.000	- / 36.676
P-3a	618250 / Comm Suite Upgrade (Capability Improvement)			B	- / 0.000	- / 0.000	- / 45.916	- / 20.968	- / 0.000	- / 20.968
P-3a	633031 / HFLCC AGCAS (Capability Improvement)			B	- / -	- / -	- / 15.445	- / 14.060	- / 0.000	- / 14.060
P-3a	633032 / ADS-B Out (Capability Improvement)			B	- / -	- / -	- / 9.009	- / 36.381	- / 0.000	- / 36.381
P-3a	661653 / MIDS-JTRS (Capability Improvement)			B	- / 0.000	- / 14.075	- / 97.945	- / 196.888	- / 0.000	- / 196.888
P-3a	866251 / Full Combat Mission Training (Capability Improvement)			B	- / -	- / 0.000	- / 0.000	- / 5.671	- / 0.000	- / 5.671
P-40	Total Gross/Weapon System Cost				- / 116.330	- / 274.331	- / 203.864	- / 324.312	- / 0.000	- / 324.312

Exhibits Schedule					FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a***	602148 / MMC and Display Generator Upgrade (Capability Improvement)				- / 37.153	- / 80.833	- / 80.851	- / 82.320	- / 66.493	- / 347.650
P-40a***	633030 / Aggressors Update (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 13.385
P-40a***	633041 / Anti Jam (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 5.000
P-40a***	633042 / Missile Warning Systems (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 12.000
P-40a***	661652 / Link 16 Crypto (Capability Improvement)				- / -	- / -	- / -	- / -	- / -	- / 9.647
P-40a***	694050 / AESA Radars (Capability Improvement)				- / 16.655	- / 211.201	- / 321.640	- / 322.543	- / 454.974	- / 1,547.281
P-40a***	704050 / Digital Radar Warning Receiver (RWR) (Capability Improvement)				- / 34.315	- / 178.199	- / 16.037	- / 19.160	- / -	- / 247.711
P-40a***	8662 / AETC MTD UPGRADES-FIELD TRAINING DETACHMENTS (Capability Improvement)				- / 5.431	- / 5.529	- / 5.639	- / 5.742	- / -	- / 138.504

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2019 Air Force		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 2: Tactical Aircraft		P-1 Line Item Number / Title: F01600 / F-16
ID Code (A=Service Ready, B=Not Service Ready): B	Program Elements for Code B Items: 0207133F, 0207445F, 0809731F	Other Related Program Elements: 0207133F, 0207445F, 0207701F

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a***	866250 / F-16 TRAINING SYSTEMS (Capability Improvement)				- / 4.342	- / 4.221	- / 4.458	- / 4.539	- / -	- / 31.914
P-40a***	99999X / Low Cost Modifications (Capability Improvement)				- / 1.534	- / 2.000	- / 0.772	- / 0.785	- / -	- / 18.433
P-3a	602600 / F-16 LEGACY STRUCTURAL SLEP (Service Life Extension)		B		- / 56.542	- / 98.909	- / 105.540	- / 115.909	- / 341.839	- / 777.059
P-3a	618250 / Comm Suite Upgrade (Capability Improvement)		B		- / 94.849	- / 68.941	- / 47.309	- / 48.169	- / 218.656	- / 544.808
P-3a	633031 / HFLCC AGCAS (Capability Improvement)		B		- / 29.735	- / 21.936	- / 10.853	- / 2.600	- / 0.000	- / 94.629
P-3a	633032 / ADS-B Out (Capability Improvement)		B		- / 28.875	- / 36.532	- / 12.524	- / 12.752	- / 0.000	- / 136.073
P-3a	661653 / MIDS-JTRS (Capability Improvement)		B		- / 1.469	- / 55.188	- / 0.000	- / 0.000	- / 0.000	- / 365.565
P-3a	866251 / Full Combat Mission Training (Capability Improvement)		B		- / 1.960	- / 1.994	- / 2.034	- / 2.071	- / -	- / 13.730
P-40	Total Gross/Weapon System Cost				- / 312.860	- / 765.483	- / 607.657	- / 616.590	- / 1,081.962	- / 4,303.389

*** Although this is an Exhibit P-40a item, the actual exhibit is not included since all of the required information for this item is already being shown here.

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
Where applicable, justification for individual modifications is provided in the P-3A exhibits.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2019 Air Force		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F01600 / F-16	Modification Number / Title: 602600 / F-16 LEGACY STRUCTURAL SLEP

ID Code (A=Service Ready, B=Not Service Ready) : B	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	3.517	18.127	36.676	0.000	36.676	56.542	98.909	105.540	115.909	341.839	777.059
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	0.000	3.517	18.127	36.676	0.000	36.676	56.542	98.909	105.540	115.909	341.839	777.059
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	3.517	18.127	36.676	0.000	36.676	56.542	98.909	105.540	115.909	341.839	777.059
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The goal of this program is to extend the F-16 service life beyond 8000 Equivalent Flying Hours (EFH) to ensure a continually viable fighter force. F-16 aircraft need modifications and structural enhancements to extend the service life of these fighters. The F-16 Structural Service Life Extension Program (SLEP) is intended to be a depot-level upgrade program to replace or rework known life-limited structure to preclude the onset of widespread fatigue damage, maintain safety of flight and enhance aircraft availability. Life-limited components and required installation dates will vary by aircraft block and will be determined via the F-16 Full Scale Durability Test (FSDT) and Engineering and Manufacturing Development (EMD) phase. Without modification of life-limited structures, the F-16 will experience continued structural degradation, which will adversely affect future mission capable rates and become increasingly costly to correct. Because of potential variation in modification requirements and installation schedules among aircraft blocks, the quantity and unit cost of kit procurement and hardware installation will differ from year to year, depending on the mix of aircraft involved.

This funding request will support potential DMS and obsolescence solutions, to include, if optimal, life of type buys or bridge buys limited to the program of record quantity.

Milestone/Development Status

The FSDT contract was awarded on April 28, 2011, while the EMD was awarded Nov 13, 2013. Development efforts run through 2018. Four aircraft will be modified as part of the EMD program. Following successful kit proofing, the program will purchase four kits in a low rate production phase and then transition into full rate production by 2020. The production kit contract is expected to award NLT Jun 2018.

Secondary Distribution	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023
AF									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	3.517	17.727	34.300	-	34.300	51.039	90.654	95.358	108.424
AFNG									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	-	0.400	2.376	-	2.376	5.503	8.255	10.182	7.485
Total:									
Secondary Distribution									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	3.517	18.127	36.676	0.000	36.676	56.542	98.909	105.540	115.909

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2019 Air Force											Date: February 2018		
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2				P-1 Line Item Number / Title: F01600 / F-16				Modification Number / Title: 602600 / F-16 LEGACY STRUCTURAL SLEP					
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:						
Models of Systems Affected: F-16			Modification Type: Service Life Extension				Related RDT&E PEs: 0207133F						
Financial Plan	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
0207133F	4 / 76.098	- / 4.783	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 80.881	
Procurement													
<i>Modification Item 1 of 1: Legacy SLEP Kit</i>													
A Kits													
Recurring													
Legacy SLEP Kit:INSTALL KITS Group A (Active)	- / -	4 / 1.629	3 / 1.200	14 / 5.600	- / -	14 / 5.600	35 / 14.000	34 / 13.600	42 / 16.800	42 / 16.800	64 / 25.600	238 / 95.229	
Legacy SLEP Kit:INSTALL KITS Group A (Guard)	- / -	- / -	1 / 0.400	4 / 1.600	- / -	4 / 1.600	6 / 2.400	9 / 3.600	8 / 3.200	8 / 3.200	22 / 8.800	58 / 23.200	
<i>Subtotal: Recurring</i>	- / -	- / 1.629	- / 1.600	- / 7.200	- / -	- / 7.200	- / 16.400	- / 17.200	- / 20.000	- / 20.000	- / 34.400	- / 118.429	
<i>Subtotal: Legacy SLEP Kit</i>	- / -	- / 1.629	- / 1.600	- / 7.200	- / -	- / 7.200	- / 16.400	- / 17.200	- / 20.000	- / 20.000	- / 34.400	- / 118.429	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / 1.629	- / 1.600	- / 7.200	- / -	- / 7.200	- / 16.400	- / 17.200	- / 20.000	- / 20.000	- / 34.400	- / 118.429	
Support (All Modification Items)													
Change Orders	- / -	- / -	- / 0.400	- / 0.820	- / -	- / 0.820	- / 6.070	- / 5.280	- / 4.220	- / 3.700	- / 6.330	- / 26.820	
SUPPORT-EQUIP	- / -	- / -	- / 6.970	- / 9.060	- / -	- / 9.060	- / 2.660	- / 5.260	- / 0.000	- / 0.000	- / 0.000	- / 23.950	
OTHER GOVT	- / -	- / 1.888	- / 9.157	- / 6.308	- / -	- / 6.308	- / 2.665	- / 3.758	- / 17.422	- / 17.087	- / 24.332	- / 82.617	
<i>Subtotal: Support</i>	- / -	- / 1.888	- / 16.527	- / 16.188	- / -	- / 16.188	- / 11.395	- / 14.298	- / 21.642	- / 20.787	- / 30.662	- / 133.387	
Installation													
<i>Modification Item 1 of 1: Legacy SLEP Kit</i>	- / -	- / -	- / -	8 / 13.288	- / -	8 / 13.288	18 / 28.747	41 / 67.411	43 / 63.898	50 / 75.122	136 / 276.777	296 / 525.243	
<i>Subtotal: Installation</i>	- / -	- / -	- / -	8 / 13.288	- / -	8 / 13.288	18 / 28.747	41 / 67.411	43 / 63.898	50 / 75.122	136 / 276.777	296 / 525.243	
Total													
Total Cost (Procurement + Support + Installation)	0.000	3.517	18.127	36.676	0.000	36.676	56.542	98.909	105.540	115.909	341.839	777.059	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2019 Air Force		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F01600 / F-16	Modification Number / Title: 602600 / F-16 LEGACY STRUCTURAL SLEP

ID Code (A=Service Ready, B=Not Service Ready) : B	MDAP/MAIS Code:
---	------------------------

Modification Item 1 of 1: Legacy SLEP Kit

Manufacturer Information

Manufacturer Name: Lockheed Martin and TBD	Manufacturer Location: Fort Worth, TX and TBD
Administrative Leadtime (in Months): 3	Production Leadtime (in Months): 3

Dates	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Contract Dates	Dec 2017 ⁽¹⁾	Apr 2018	Apr 2019	Apr 2020	Apr 2021	Apr 2022	Apr 2023
Delivery Dates	Mar 2018	Jul 2018	Jul 2019	Jul 2020	Jul 2021	Jul 2022	Jul 2023

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	4 / 7.150	- / -	4 / 7.150	- / -	- / -	- / -	- / -	- / -	4 / 7.150
FY 2018	- / -	- / -	- / -	4 / 6.138	- / -	4 / 6.138	- / -	- / -	- / -	- / -	- / -	4 / 6.138
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	18 / 28.747	- / -	- / -	- / -	- / -	18 / 28.747
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	41 / 67.411	- / -	- / -	- / -	41 / 67.411
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	43 / 63.898	- / -	- / -	43 / 63.898
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	50 / 75.122	- / -	50 / 75.122
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	50 / 89.704	50 / 89.704
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	86 / 187.073	86 / 187.073
Total	- / -	- / -	- / -	8 / 13.288	- / -	8 / 13.288	18 / 28.747	41 / 67.411	43 / 63.898	50 / 75.122	136 / 276.777	296 / 525.243

Installation Schedule

	PYS	FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				FY 2023				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	-	-	-	-	-	-	-	-	-	8	-	-	-	18	-	-	-	41	-	-	-	43	-	-	-	50	136	296
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	8	-	-	-	18	-	-	-	41	-	-	-	43	-	-	-	186	296

Footnotes:
⁽¹⁾ Manufacturer for the Four (4) SLEP Urgent Need Kits is Lockheed Martin. Remaining kits will competed.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2019 Air Force		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F01600 / F-16	Modification Number / Title: 618250 / Comm Suite Upgrade

ID Code (A=Service Ready, B=Not Service Ready) : B	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	0.000	45.916	20.968	0.000	20.968	94.849	68.941	47.309	48.169	218.656	544.808
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	0.000	0.000	45.916	20.968	0.000	20.968	94.849	68.941	47.309	48.169	218.656	544.808
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	0.000	45.916	20.968	0.000	20.968	94.849	68.941	47.309	48.169	218.656	544.808

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Chairman, Joint Chiefs of Staff directed a modernization effort based on the recommendation of the National Security Agency (NSA) to modernize equipment and provide enhanced security for tactical networks (Cryptographic Modernization (CMI)). The F-16 Comm Suite Upgrade will include Cryptographic Modernization (CM), Mobile User Objective System (MUOS) and second generation Anti-Jam Tactical UHF Radio for NATO (SATURN).

This funding request will support potential DMS and obsolescence solutions, to include, if optimal, life of type buys or bridge buys limited to the program of record quantity.

Milestone/Development Status

Continue NRE efforts. Procure Group B Test assets.

Secondary Distribution		FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	18.807	7.207	-	7.207	65.693	18.648	41.571	48.169
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	27.109	13.761	-	13.761	29.156	50.293	5.738	-
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	0.000	45.916	20.968	0.000	20.968	94.849	68.941	47.309	48.169

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2019 Air Force										Date: February 2018			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2					P-1 Line Item Number / Title: F01600 / F-16					Modification Number / Title: 618250 / Comm Suite Upgrade			
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:						
Models of Systems Affected: F-16				Modification Type: Capability Improvement				Related RDT&E PEs: 0207133F					
Financial Plan	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
0207133F	- / -	- / 2.976	24 / 12.416	- / 5.670	- / -	- / 5.670	- / 5.099	- / -	- / -	- / -	- / -	24 / 26.161	
Procurement													
Modification Item 1 of 1: Comm Suite MUOS													
A Kits													
Recurring													
Comm Suite MUOS:INSTALL KITS Group A (Active)	- / -	- / -	- / -	- / -	- / -	- / -	79 / 29.442	20 / 6.320	24 / 9.288	90 / 34.850	398 / 162.382	611 / 242.282	
Comm Suite MUOS:INSTALL KITS Group A (Guard)	- / -	- / -	89 / 27.109	22 / 6.358	- / -	22 / 6.358	92 / 27.293	134 / 42.344	- / -	- / -	- / -	337 / 103.104	
Subtotal: Recurring	- / -	- / -	- / 27.109	- / 6.358	- / -	- / 6.358	- / 56.735	- / 48.664	- / 9.288	- / 34.850	- / 162.382	- / 345.386	
Subtotal: Comm Suite MUOS	- / -	- / -	- / 27.109	- / 6.358	- / -	- / 6.358	- / 56.735	- / 48.664	- / 9.288	- / 34.850	- / 162.382	- / 345.386	
Subtotal: Procurement, All Modification Items	- / -	- / -	- / 27.109	- / 6.358	- / -	- / 6.358	- / 56.735	- / 48.664	- / 9.288	- / 34.850	- / 162.382	- / 345.386	
Support (All Modification Items)													
GROUP A: TOTAL NONRECURRING	- / -	- / -	- / 11.833	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 11.833	
Type 1 Training	- / -	- / -	- / -	- / -	- / -	- / -	- / 12.082	- / -	- / -	- / -	- / -	- / 12.082	
Change Orders	- / -	- / -	- / 3.931	- / 3.721	- / -	- / 3.721	- / 6.412	- / 4.000	- / 1.226	- / 3.720	- / 17.482	- / 30.492	
OTHER GOVT	- / -	- / -	- / 1.920	- / 1.311	- / -	- / 1.311	- / 25.425	- / 5.001	- / 24.857	- / 4.615	- / 15.166	- / 68.295	
SUPPORT-EQUIP	- / -	- / -	- / 1.123	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.123	
Mod of Spares	- / -	- / -	- / -	- / 12.175	- / -	- / 12.175	- / 12.332	- / 12.397	- / 4.248	- / 3.321	- / 24.721	- / 39.194	
Subtotal: Support	- / -	- / -	- / 18.807	- / 7.207	- / -	- / 7.207	- / 36.251	- / 11.398	- / 30.331	- / 11.656	- / 37.369	- / 153.019	
Installation													
Modification Item 1 of 1: Comm Suite MUOS	- / -	- / -	- / -	89 / 7.403	- / -	89 / 7.403	22 / 1.863	118 / 8.879	187 / 7.690	44 / 1.663	488 / 18.905	948 / 46.403	
Subtotal: Installation	- / -	- / -	- / -	89 / 7.403	- / -	89 / 7.403	22 / 1.863	118 / 8.879	187 / 7.690	44 / 1.663	488 / 18.905	948 / 46.403	
Total													
Total Cost (Procurement + Support + Installation)	0.000	0.000	45.916	20.968	0.000	20.968	94.849	68.941	47.309	48.169	218.656	544.808	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F01600 / F-16	Modification Number / Title: 618250 / Comm Suite Upgrade
---	---	--

ID Code (A=Service Ready, B=Not Service Ready) : B	MDAP/MAIS Code:
---	------------------------

Modification Item 1 of 1: Comm Suite MUOS

Manufacturer Information

Manufacturer Name: tbd	Manufacturer Location: tbd
------------------------	----------------------------

Administrative Leadtime (in Months): 3	Production Leadtime (in Months): 6
--	------------------------------------

Dates	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Contract Dates		Mar 2018	Mar 2019	Mar 2020	Mar 2021	Mar 2022	Mar 2023
Delivery Dates		Sep 2018	Sep 2019	Sep 2020	Sep 2021	Sep 2022	Sep 2023

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	89 / 7.403	- / -	89 / 7.403	- / -	- / -	- / -	- / -	- / -	89 / 7.403
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	22 / 1.863	- / -	- / -	- / -	- / -	22 / 1.863
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	118 / 8.879	53 / 1.952	- / -	- / -	171 / 10.831
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	134 / 5.738	20 / 0.758	- / -	154 / 6.496
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 0.905	- / -	24 / 0.905
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	90 / 3.370	90 / 3.370
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	398 / 15.535	398 / 15.535
Total	- / -	- / -	- / -	89 / 7.403	- / -	89 / 7.403	22 / 1.863	118 / 8.879	187 / 7.690	44 / 1.663	488 / 18.905	948 / 46.403

Installation Schedule

	PYS	FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				FY 2023				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	-	-	-	-	-	-	22	22	22	23	5	5	6	6	23	23	36	36	47	47	47	46	11	11	11	11	488	948
Out	0	-	-	-	-	-	-	-	-	-	22	22	22	23	5	5	6	6	23	23	36	36	47	47	47	46	11	11	11	499	948

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2019 Air Force		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F01600 / F-16	Modification Number / Title: 633031 / HFLCC AGCAS

ID Code (A=Service Ready, B=Not Service Ready) : B	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	-	15.445	14.060	0.000	14.060	29.735	21.936	10.853	2.600	0.000	94.629
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	-	15.445	14.060	0.000	14.060	29.735	21.936	10.853	2.600	0.000	94.629
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	-	15.445	14.060	0.000	14.060	29.735	21.936	10.853	2.600	0.000	94.629

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Hybrid Flight Control Computer (HFLCC) Auto Ground Collision Avoidance System development and integration for A/C prevents most controlled flight into terrain (CFIT) accidents using terrain database and prediction algorithms for aircraft trajectory recovery and executes an automated fly up maneuver to avoid collision.

This funding request will support potential DMS and obsolescence solutions, to include if optimal, life of type buys limited to the program of record quantity.

Milestone/Development Status

AFRL has been funded to complete HFLCC development. HFLCC Development will be complete by FY18 resulting in a fully qualified HFLCC SPO Program will update engineering and integrate hardware onto platform.

Secondary Distribution		FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	15.445	14.060	-	14.060	22.789	11.427	5.543	1.647
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	0.000	-	-	-	6.946	10.509	5.310	0.953
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	15.445	14.060	0.000	14.060	29.735	21.936	10.853	2.600

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2019 Air Force										Date: February 2018			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2				P-1 Line Item Number / Title: F01600 / F-16						Modification Number / Title: 633031 / HFLCC AGCAS			
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:						
Models of Systems Affected: F-16				Modification Type: Capability Improvement				Related RDT&E PEs: 0207133F					
Financial Plan	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
0207133F	- / -	- / -	- / 18.962	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 18.962	
Procurement													
Modification Item 1 of 2: COMMON: SCU upgrade													
B Kits													
Recurring													
COMMON: SCU upgrade:EQUIPMENT Group B (Active)	- / -	- / -	4 / 1.324	- / -	- / -	- / -	24 / 5.111	26 / 5.799	19 / 2.544	- / -	- / -	73 / 14.778	
COMMON: SCU upgrade:EQUIPMENT Group B (Guard)	- / -	- / -	- / -	- / -	- / -	- / -	60 / 5.623	64 / 6.298	19 / 1.963	- / -	- / -	143 / 13.884	
<i>Subtotal: Recurring</i>	- / -	- / -	- / 1.324	- / -	- / -	- / -	- / 10.734	- / 12.097	- / 4.507	- / -	- / -	- / 28.662	
<i>Subtotal: COMMON: SCU upgrade</i>	- / -	- / -	- / 1.324	- / -	- / -	- / -	- / 10.734	- / 12.097	- / 4.507	- / -	- / -	- / 28.662	
Modification Item 2 of 2: Install Kits Group A													
A Kits													
Recurring													
Install Kits Group A:INSTALL KITS Group A (Active)	- / -	- / -	4 / 0.080	0 / 0.000	- / -	0 / 0.000	24 / 0.860	26 / 1.135	19 / 0.462	- / -	- / -	73 / 2.537	
Install Kits Group A:INSTALL KITS Group A (Guard)	- / -	- / -	- / -	- / -	- / -	- / -	60 / 1.323	64 / 1.482	19 / 0.291	- / -	- / -	143 / 3.096	
<i>Subtotal: Recurring</i>	- / -	- / -	- / 0.080	- / 0.000	- / -	- / 0.000	- / 2.183	- / 2.617	- / 0.753	- / -	- / -	- / 5.633	
<i>Subtotal: Install Kits Group A</i>	- / -	- / -	- / 0.080	- / 0.000	- / -	- / 0.000	- / 2.183	- / 2.617	- / 0.753	- / -	- / -	- / 5.633	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / -	- / 1.404	- / 0.000	- / -	- / 0.000	- / 12.917	- / 14.714	- / 5.260	- / -	- / -	- / 34.295	
Support (All Modification Items)													
Change Orders	- / -	- / -	- / 3.665	- / 0.275	- / -	- / 0.275	- / 0.275	- / 0.275	- / 0.275	- / 0.275	- / -	- / 5.040	
OTHER GOVT	- / -	- / -	- / 10.236	- / 13.785	- / -	- / 13.785	- / 16.543	- / 2.717	- / 0.362	- / 0.419	- / -	- / 44.062	
<i>Subtotal: Support</i>	- / -	- / -	- / 13.901	- / 14.060	- / -	- / 14.060	- / 16.818	- / 2.992	- / 0.637	- / 0.694	- / -	- / 49.102	
Installation													
Modification Item 2 of 2: Install Kits Group A													
<i>Subtotal: Installation</i>	- / -	- / -	4 / 0.140	- / -	- / -	- / -	- / -	84 / 4.230	90 / 4.956	38 / 1.906	- / -	216 / 11.232	
<i>Total</i>	-	-	15.445	14.060	0.000	14.060	29.735	21.936	10.853	2.600	0.000	94.629	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2019 Air Force						Date: February 2018	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2			P-1 Line Item Number / Title: F01600 / F-16			Modification Number / Title: 633031 / HFLCC AGCAS	
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:		
Modification Item 1 of 2: COMMON: SCU upgrade							
Manufacturer Information							
Manufacturer Name: N/A				Manufacturer Location: N/A			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Org/Intermediate						Installation Quantity: 0	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2019 Air Force		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F01600 / F-16	Modification Number / Title: 633031 / HFLCC AGCAS

ID Code (A=Service Ready, B=Not Service Ready) : B	MDAP/MAIS Code:
---	------------------------

Modification Item 2 of 2: Install Kits Group A

Manufacturer Information

Manufacturer Name: TBD	Manufacturer Location: Hill AFB
Administrative Leadtime (in Months): 6	Production Leadtime (in Months): 3

Dates	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Contract Dates		May 2018		May 2020	May 2021	May 2022	
Delivery Dates		Aug 2018		Aug 2020	Aug 2021	Aug 2022	

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	4 / 0.140	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.140
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	84 / 4.230	- / -	- / -	- / -	84 / 4.230
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	90 / 4.956	- / -	- / -	90 / 4.956
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	38 / 1.906	- / -	38 / 1.906
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	4 / 0.140	- / -	- / -	- / -	- / -	84 / 4.230	90 / 4.956	38 / 1.906	- / -	216 / 11.232

Installation Schedule

	PYS	FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				FY 2023				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	84	-	-	-	90	-	-	-	38	0	216
Out	0	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	84	-	-	-	90	38	216

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2019 Air Force		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F01600 / F-16	Modification Number / Title: 633032 / ADS-B Out

ID Code (A=Service Ready, B=Not Service Ready) : B	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	-	9.009	36.381	0.000	36.381	28.875	36.532	12.524	12.752	0.000	136.073
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	-	9.009	36.381	0.000	36.381	28.875	36.532	12.524	12.752	0.000	136.073
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	-	9.009	36.381	0.000	36.381	28.875	36.532	12.524	12.752	0.000	136.073

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Automatic Dependent Surveillance - Broadcast (ADS-B) Out provides improved altitude, airspeed and location info to ground stations and other equipped aircraft in vicinity. The update for F-16 aircraft is a software/firmware update and includes a GPS card update.

This funding request will support potential DMS and obsolescence solutions, to include, if optimal, life of type buys or bridge buys limited to the program of record quantity.

Milestone/Development Status

ADS-B Development is covered under the F-16 OFP update program.

Secondary Distribution	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023
AF									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	-	9.009	31.601	-	31.601	21.579	36.532	12.524	3.302
AFNG									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	-	-	3.824	-	3.824	4.256	-	-	9.450
AFR									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	-	-	0.956	-	0.956	3.040	-	-	-
Total: Secondary Distribution									
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	-	9.009	36.381	0.000	36.381	28.875	36.532	12.524	12.752

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2019 Air Force										Date: February 2018			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2					P-1 Line Item Number / Title: F01600 / F-16					Modification Number / Title: 633032 / ADS-B Out			
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:						
Models of Systems Affected: F-16				Modification Type: Capability Improvement				Related RDT&E PEs: 0207133F					
Financial Plan	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
0207133F	- / -	- / -	- / 3.082	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.082	
Procurement													
Modification Item 1 of 1: SCU 8 and APX 126													
A Kits													
Recurring													
SCU 8 and APX 126:INSTALL KITS Group A (Active)	- / -	- / -	- / -	18 / 8.604	- / -	18 / 8.604	18 / 8.604	39 / 18.642	15 / 7.170	- / -	- / -	90 / 43.020	
SCU 8 and APX 126:INSTALL KITS Group A (Guard)	- / -	- / -	- / -	28 / 3.824	- / -	28 / 3.824	- / -	- / -	- / -	15 / 7.170	- / -	43 / 10.994	
SCU 8 and APX 126:INSTALL KITS Group A (Reserve)	- / -	- / -	- / -	2 / 0.956	- / -	2 / 0.956	- / -	- / -	- / -	- / -	- / -	2 / 0.956	
Subtotal: Recurring	- / -	- / -	- / -	- / 13.384	- / -	- / 13.384	- / 8.604	- / 18.642	- / 7.170	- / 7.170	- / -	- / 54.970	
Subtotal: SCU 8 and APX 126	- / -	- / -	- / -	- / 13.384	- / -	- / 13.384	- / 8.604	- / 18.642	- / 7.170	- / 7.170	- / -	- / 54.970	
Subtotal: Procurement, All Modification Items	- / -	- / -	- / -	- / 13.384	- / -	- / 13.384	- / 8.604	- / 18.642	- / 7.170	- / 7.170	- / -	- / 54.970	
Support (All Modification Items)													
SUPPORT-EQUIP	- / -	- / -	- / 2.899	- / 2.899	- / -	- / 2.899	- / -	- / -	- / -	- / -	- / -	- / 5.798	
OTHER GOVT	- / -	- / -	- / 6.110	- / 20.098	- / -	- / 20.098	- / 10.239	- / 11.962	- / 1.706	- / 1.934	- / -	- / 52.049	
Subtotal: Support	- / -	- / -	- / 9.009	- / 22.997	- / -	- / 22.997	- / 10.239	- / 11.962	- / 1.706	- / 1.934	- / -	- / 57.847	
Installation													
Modification Item 1 of 1: SCU 8 and APX 126	- / -	- / -	- / -	- / -	- / -	- / -	48 / 10.032	18 / 5.928	21 / 3.648	24 / 3.648	24 / 0.000	135 / 23.256	
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	48 / 10.032	18 / 5.928	21 / 3.648	24 / 3.648	24 / -	135 / 23.256	
Total													
Total Cost (Procurement + Support + Installation)	-	-	9.009	36.381	0.000	36.381	28.875	36.532	12.524	12.752	0.000	136.073	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F01600 / F-16	Modification Number / Title: 633032 / ADS-B Out
---	---	---

ID Code (A=Service Ready, B=Not Service Ready) : B **MDAP/MAIS Code:**

Modification Item 1 of 1: SCU 8 and APX 126

Manufacturer Information

Manufacturer Name: BAE	Manufacturer Location: NewYork
Administrative Leadtime (in Months): 6	Production Leadtime (in Months): 6

Dates	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Contract Dates			Oct 2019	Oct 2020	Oct 2021	Oct 2022	Oct 2023
Delivery Dates			Apr 2020	Apr 2021	Apr 2022	Apr 2023	Apr 2024

Installation Information

Method of Implementation: Depot

Installation Cost	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	48 / 10.032	- / -	- / -	- / -	- / -	48 / 10.032
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	18 / 2.736	- / -	- / -	- / -	18 / 2.736
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	0 / 3.192	21 / 2.736	18 / 0.000	- / -	39 / 5.928
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	0 / 0.912	6 / 1.368	9 / 0.000	15 / 2.280
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	0 / 2.280	15 / 0.000	15 / 2.280
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	48 / 10.032	18 / 5.928	21 / 3.648	24 / 3.648	24 / 0.000	135 / 23.256

Installation Schedule

	PYS	FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				FY 2023				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	0	-	-	-	-	-	-	-	-	-	-	-	-	-	16	16	16	4	4	4	6	6	6	5	4	6	6	6	6	24	135
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	16	16	16	16	4	4	4	6	6	6	5	4	6	6	6	30	135

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2019 Air Force		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F01600 / F-16	Modification Number / Title: 661653 / MIDS-JTRS

ID Code (A=Service Ready, B=Not Service Ready) : B	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	14.075	97.945	196.888	0.000	196.888	1.469	55.188	0.000	0.000	0.000	365.565
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	0.000	14.075	97.945	196.888	0.000	196.888	1.469	55.188	0.000	0.000	0.000	365.565
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	14.075	97.945	196.888	0.000	196.888	1.469	55.188	0.000	0.000	0.000	365.565

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Chairman, Joint Chiefs of Staff directed a modernization effort at the recommendation of the National Security Agency (NSA) to modernize equipment and provide enhanced security for Link 16 tactical networks (Cryptographic Modernization (CM)). Likewise, a radio frequency spectrum memorandum of agreement between the DoD and the Department of Transportation mandate the internal frequency remapping for our Link 16 family of terminals to avoid conflict with next generation Federal Aviation Administration radio aids to navigation. These two mandates will be satisfied by replacing existing Link 16 Multi-functional Information Distribution System (MIDS) Low Volume Terminals (LVT) with MIDS-Joint Tactical Radio System (JTRS) CMN-4 terminals. MIDS-JTRS terminals will also improve the F-16 capability by providing higher data bandwidth, lower latency, and growth capability to ultimately incorporate secure, jam-resistant J-Voice and three growth slots which could host additional waveforms (Mobile User Objective System (MUOS), Integrated Broadcast Service (IBS), etc.). Also, the terminals will include 4-Channel Concurrent Multi-netting(CMN-4)and Concurrent Contention Receive (CCR) capabilities, which are ACC requirements and critical to F-16 Link 16 network sustainability and capability.

Engineering and Manufacturing Development (EMD) for this program is being accomplished within the ongoing F-16 OFP development program. A total of 23 (15 on aircraft) MIDS-JTRS test assets were procured in FY15 with F-16 RDT&E funds. Pre-Milestone C approved in Aug 2017. 20 Production units ordered in Oct 2017 with balance of 20 to be ordered in March 2018. Full Milestone C approval projected in summer 2018

This funding request will support potential DMS and obsolescence solutions, to include, if optimal, life of type buys or bridge buys limited to the program of record quantity.

Milestone/Development Status

EMD is being accomplished as part of the F-16 OFP Updates program.

Secondary Distribution	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023
AF	-	-	-	-	-	-	-	-	-
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	14.075	86.797	163.262	-	163.262	1.469	15.871	0.000	0.000
AFNG	-	-	-	-	-	-	-	-	-
Quantity	-	-	-	-	-	-	-	-	-
Total Obligation Authority	-	11.148	33.626	-	33.626	0.000	39.317	-	-
Total:	-	-	-	-	-	-	-	-	-
Quantity	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2019 Air Force **Date:** February 2018

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F01600 / F-16	Modification Number / Title: 661653 / MIDS-JTRS
---	---	---

ID Code (A=Service Ready, B=Not Service Ready) : B **MDAP/MAIS Code:**

Secondary Distribution		FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023
Secondary Distribution	Total Obligation Authority	14.075	97.945	196.888	0.000	196.888	1.469	55.188	0.000	0.000

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2019 Air Force										Date: February 2018			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2					P-1 Line Item Number / Title: F01600 / F-16					Modification Number / Title: 661653 / MIDS-JTRS			
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:						
Models of Systems Affected: F-16				Modification Type: Capability Improvement				Related RDT&E PEs: 0207445F, 0207133F					
Financial Plan	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
0207133F	- / -	- / -	- / -	- / 3.585	- / -	- / 3.585	- / -	- / -	- / -	- / -	- / -	- / 3.585	
Procurement													
<i>Modification Item 1 of 1:</i> MIDS-JTRS													
B Kits													
Recurring													
MIDS-JTRS:EQUIPMENT Group B (Active)	- / -	40 / 12.800	223 / 70.792	338 / 106.842	- / -	338 / 106.842	- / -	- / -	- / -	- / -	- / -	601 / 190.434	
MIDS-JTRS:EQUIPMENT Group B (Guard)	- / -	- / -	24 / 11.148	72 / 33.626	- / -	72 / 33.626	0 / 0.000	72 / 39.317	- / -	- / -	- / -	168 / 84.091	
<i>Subtotal: Recurring</i>	- / -	- / 12.800	- / 81.940	- / 140.468	- / -	- / 140.468	- / 0.000	- / 39.317	- / -	- / -	- / -	- / 274.525	
<i>Subtotal: MIDS-JTRS</i>	- / -	- / 12.800	- / 81.940	- / 140.468	- / -	- / 140.468	- / 0.000	- / 39.317	- / -	- / -	- / -	- / 274.525	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / 12.800	- / 81.940	- / 140.468	- / -	- / 140.468	- / 0.000	- / 39.317	- / -	- / -	- / -	- / 274.525	
Support (All Modification Items)													
SUPPORT-EQUIP	- / -	- / -	- / -	- / 15.162	- / -	- / 15.162	- / 0.000	- / -	- / -	- / -	- / -	- / 15.162	
Change Orders	- / -	- / 1.275	- / 0.543	- / 7.300	- / -	- / 7.300	- / 0.000	- / 10.128	- / -	- / -	- / -	- / 19.246	
OTHER GOVT	- / -	- / -	- / 15.462	- / 43.958	- / -	- / 43.958	- / 1.469	- / 5.743	- / 0.000	- / 0.000	- / -	- / 66.632	
<i>Subtotal: Support</i>	- / -	- / 1.275	- / 16.005	- / 56.420	- / -	- / 56.420	- / 1.469	- / 15.871	- / 0.000	- / 0.000	- / -	- / 91.040	
Installation													
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	0.000	14.075	97.945	196.888	0.000	196.888	1.469	55.188	0.000	0.000	0.000	365.565	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2019 Air Force						Date: February 2018	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2			P-1 Line Item Number / Title: F01600 / F-16			Modification Number / Title: 661653 / MIDS-JTRS	
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:		
Modification Item 1 of 1: MIDS-JTRS							
Manufacturer Information							
Manufacturer Name: ViaSat and DSL				Manufacturer Location: Navy MPO, San Diego CA			
Administrative Leadtime (in Months): 7				Production Leadtime (in Months): 12			
Dates	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Contract Dates	Oct 2017	Aug 2018	Aug 2019		Aug 2021		
Delivery Dates	Oct 2018	Aug 2019	Aug 2020		Aug 2022		
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 769		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2019 Air Force		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2	P-1 Line Item Number / Title: F01600 / F-16	Modification Number / Title: 866251 / Full Combat Mission Training

ID Code (A=Service Ready, B=Not Service Ready) : B	MDAP/MAIS Code:
---	------------------------

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	0.000	0.000	5.671	0.000	5.671	1.960	1.994	2.034	2.071	-	13.730
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	0.000	0.000	5.671	0.000	5.671	1.960	1.994	2.034	2.071	-	13.730
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	0.000	0.000	5.671	0.000	5.671	1.960	1.994	2.034	2.071	-	13.730

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	0.214	0.000	0.212	0.000	0.212	0.216	0.220	0.224	0.116	-	1.202
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

- Full Combat Mission Training funds include but are not limited to modifications of the F-16 Mission Training Centers (MTCs) (Simulators) driven by upgrades to the Operational Flight Program (OFP). The RDT&E funded updates to the MTC OFP is accomplished to keep the MTC concurrent with the aircraft. OFP updates may result in changes in the physical layout in the cockpit in both the aircraft and the MTC. This line funds the modifications to incorporate those changes in the MTC.
- Funds are available to modify the capability of fielded F-16 training systems.
- Funds may be used to address Diminishing manufacturing Sources (DMS) efforts to include removal of end-of-life software/hardware within simulators systems and move to a modular, common open system architecture that is sustainable and cyber-resilient.
- Funds may be used to implement requirements and standards defined under the Simulator Common Architecture Requirements and Standards (SCARS) initiative
- Program is not a new start. Work was previously performed in PE 0207701F, BPAC 119992

Milestone/Development Status

N/A

Secondary Distribution		FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	3.969	-	3.969	1.372	1.396	1.424	1.445
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	1.702	-	1.702	0.588	0.598	0.610	0.626
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.000	0.000	5.671	0.000	5.671	1.960	1.994	2.034	2.071

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2019 Air Force										Date: February 2018			
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2					P-1 Line Item Number / Title: F01600 / F-16					Modification Number / Title: 866251 / Full Combat Mission Training			
ID Code (A=Service Ready, B=Not Service Ready) : B							MDAP/MAIS Code:						
Models of Systems Affected: F-16				Modification Type: Capability Improvement				Related RDT&E PEs: 0207701F, 0207133F					
Financial Plan	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
0207133F	- / -	- / -	- / -	- / 12.485	- / -	- / 12.485	- / 11.967	- / 11.640	- / 11.881	- / 12.083	- / -	- / 60.056	
Procurement													
Modification Item 1 of 1: Trainer/Simulator kits (2)													
B Kits													
Recurring													
Trainer/Simulator kits:EQUIPMENT Group B (Active)	- / -	- / -	- / -	7 / 3.969	- / -	7 / 3.969	7 / 1.372	7 / 1.396	7 / 1.424	7 / 1.445	- / -	35 / 9.606	
Trainer/Simulator kits:EQUIPMENT Group B (Guard)	- / -	- / -	- / -	3 / 1.702	- / -	3 / 1.702	3 / 0.588	3 / 0.598	3 / 0.610	3 / 0.626	- / -	15 / 4.124	
Subtotal: Recurring	- / -	- / -	- / -	- / 5.671	- / -	- / 5.671	- / 1.960	- / 1.994	- / 2.034	- / 2.071	- / -	- / 13.730	
Subtotal: Trainer/Simulator kits (2)	- / -	- / -	- / -	- / 5.671	- / -	- / 5.671	- / 1.960	- / 1.994	- / 2.034	- / 2.071	- / -	- / 13.730	
Subtotal: Procurement, All Modification Items	- / -	- / -	- / -	- / 5.671	- / -	- / 5.671	- / 1.960	- / 1.994	- / 2.034	- / 2.071	- / -	- / 13.730	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	-	0.000	0.000	5.671	0.000	5.671	1.960	1.994	2.034	2.071	-	13.730	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2019 Air Force						Date: February 2018	
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 05 / 2			P-1 Line Item Number / Title: F01600 / F-16			Modification Number / Title: 866251 / Full Combat Mission Training	
ID Code (A=Service Ready, B=Not Service Ready) : B					MDAP/MAIS Code:		
Modification Item 1 of 1: Trainer/Simulator kits (2)							
Manufacturer Information							
Manufacturer Name: L-3 Comm Corp - LINK Simulation & Training Division				Manufacturer Location: Arlington, TX			
Administrative Leadtime (in Months): 3				Production Leadtime (in Months): 12			
Dates	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Contract Dates			Jan 2019	Jan 2020	Jan 2021	Jan 2022	Jan 2023
Delivery Dates			Jan 2020	Jan 2021	Jan 2022	Jan 2023	Jan 2024
Installation Information							
Method of Implementation (Organic): Org/Intermediate					Installation Quantity: 48		