Exhibit P-40, Budget Line Item Justification: FY 2018 Navy	**Date:** May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft	**P-1 Line Item Number / Title:** 0525 / F-18 Series

ID Code (A=Service Ready, B=Not Service Ready): A	**Program Elements for Code B Items:** N/A	**Other Related Program Elements:** N/A
Line Item MDAP/MAIS Code: 000		

Resource Summary	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	7,360.084	899.389	917.892	1,043.661	0.000	1,043.661	1,199.801	1,526.601	1,538.112	1,560.105	5,988.627	22,034.272
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) *($ in Millions)*	7,360.084	899.389	917.892	1,043.661	0.000	1,043.661	1,199.801	1,526.601	1,538.112	1,560.105	5,988.627	22,034.272
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**7,360.084**	**899.389**	**917.892**	**1,043.661**	**0.000**	**1,043.661**	**1,199.801**	**1,526.601**	**1,538.112**	**1,560.105**	**5,988.627**	**22,034.272**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This line item funds modifications to all models of the F/A-18 aircraft. The F/A-18 Naval Strike Fighter is a twin-engine, mid-wing, multi-mission tactical aircraft. The F/A-18 is employed in both Navy and Marine Corps squadrons. Commencing with the FY 1988 procurement, both the single seat and two-seat F/A-18s include a night attack capability. The F/A-18 can be missionized through selected use of external equipment to accomplish specific fighter or attack missions. This commonality provides the Operational Commander more flexibility in employing his tactical aircraft in a dynamic scenario. The primary design mission for the F/A-18 is a strike fighter which includes the traditional fighter applications, such as fighter escort and fleet air defense, combined with the attack applications, such as interdiction and close air support. Since fighter capabilities are available in either mission, a robust self-defense capability is retained.

NOTE: Kit procurements were budgeted and executed properly, in alignment with planned organic depot inductions. Aircraft inductions have exceeded depot capacity due to many aircraft reaching service life limits at the same time, increased turnaround time due to material degradation and corrosion repairs over and above planned modification efforts, and delays caused by sequestration which increased the number of Out of Reporting (OOR) aircraft. Due to these depot constraints, prior year kit procurements became misaligned with aircraft installations. Depot level kit installations have been impacted by depot throughput constraints and backlog. The install schedules reflected in this budget take into account the current constrained depot throughput and backlog. Funds in this budget request are required for on-going modifications to address OOR aircraft.

Current aircraft inventory as of 1 November 2016, Flight hours flown as of 1 September 2016:

F/A-18A (Lots 1 - 6) - 1 (Active): service life 8,000 hours (current); average service life remaining 4,320 (current)
F/A-18B (Lots 1 - 6) - 8 (7 Active, 1 Reserve): service life 6,000 hours (current); average service life remaining 2,344 (current)
F/A-18A (Lots 7 - 9) - 90 (48 Active, 42 Reserve): service life 8,000 hours (current); 10,000 hours (extended); average service life remaining 253 hours (current); 2,253 hours (extended)
F/A-18B (Lots 7 - 9) - 13 (12 Active, 1 Reserve): service life 8,000 hours (current); 10,000 hours (extended); average service life remaining 616 (current); 2,616 (extended)
F/A-18C - 359 (357 Active, 2 Reserve): service life 8,000 hours (current); 10,000 hours (extended); average service life remaining 611 (current); 2,611 (extended)
F/A-18D - 129 (Active): service life 8,000 hours (current); 10,000 hours (extended); average service life remaining 787 (current); 2,787 (extended)
F/A-18E - 287 (Active): service life 6,000 hours (current); 9,000 hours (extended); average service life remaining 3,490 (current); 6,490 (extended)
F/A-18F - 259 (Active): service life 6,000 hours (current); 9,000 hours (extended); average service life remaining 2,704 (current); 5,704 (extended)
EA-18G - 128 (123 Active, 5 Reserve): service life 7,500 hours (current); average service life remaining 6,165 (current)

Exhibit P-40, Budget Line Item Justification: FY 2018 Navy | **Date:** May 2017

Appropriation / Budget Activity / Budget Sub Activity:
1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft

P-1 Line Item Number / Title:
0525 / F-18 Series

ID Code (A=Service Ready, B=Not Service Ready): A | **Program Elements for Code B Items:** N/A | **Other Related Program Elements:** N/A

Line Item MDAP/MAIS Code: 000

Exhibits Schedule					Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/ MAIS Code	Quantity / Total Cost *(Each) I ($ M)*	Quantity / Total Cost *(Each) I ($ M)*	Quantity / Total Cost *(Each) I ($ M)*	Quantity / Total Cost *(Each) I ($ M)*	Quantity / Total Cost *(Each) I ($ M)*	Quantity / Total Cost *(Each) I ($ M)*
P-40a	Joint Helmet Mounted Cueing System (JHMCS) (OSIP 24-00)				- / 294.323	- / 4.169	- / 4.129	- / 2.168	- / 0.000	- / 2.168
P-40a	Advanced Targeting Forward Looking Infrared (ATFLIR) (OSIP 12-01)				- / 887.138	- / 16.836	- / 0.802	- / 2.850	- / 0.000	- / 2.850
P-40a	Litening AT Targeting Pod (OSIP 024-04)				- / 163.597	- / 1.353	- / 0.989	- / 1.113	- / 0.000	- / 1.113
P-40a	EW Unique (OSIP 021-08)				- / 231.149	- / 0.779	- / 0.484	- / 1.200	- / 0.000	- / 1.200
P-40a	Infrared Search and Track (IRST) (04-14)				- / 67.685	- / 95.706	- / 5.320	- / 3.655	- / 0.000	- / 3.655
P-40a	Inactive OSIPs				- / 265.409	- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / 0.000
P-3a	1 / Correction of Discrepancies (OSIP 11-84) (SAFETY /RELIABILITY/ IMPROVEMENT)				- / 1,215.448	- / 61.606	- / 78.833	- / 78.271	- / 0.000	- / 78.271
P-3a	2 / Digital Communications System (DCS) (OSIP 10-99) (CAPABILITY IMPROVEMENT)				- / 96.007	- / 13.154	- / 17.624	- / 22.303	- / 0.000	- / 22.303
P-3a	3 / F/A-18 Aircraft Structural Life Management Plan (SLMP) (OSIP 11-99) CBR+ (SAFETY / LIFE EXTENSION)				- / 1,094.935	- / 85.872	- / 122.096	- / 127.208	- / 0.000	- / 127.208
P-3a	4 / Multi-Functional Information Distribution System (MIDS) (OSIP 12-99) (CAPABILITY IMPROVEMENT)				- / 470.235	- / 175.518	- / 51.273	- / 53.349	- / 0.000	- / 53.349
P-3a	5 / USMC F/A-18 Upgrade ECP-583 (OSIP 21-00) (AVIONICS UPGRADE)				- / 365.430	- / 11.543	- / 64.017	- / 56.725	- / 0.000	- / 56.725
P-3a	8 / F/A-18C/D/E/F and EA-18G Training System (OSIP 006-02) (TRAINERS UPGRADE)				- / 199.011	- / 29.688	- / 27.004	- / 21.428	- / 0.000	- / 21.428
P-3a	9 / E/F & EA-18G Correction of Operational Discrepancies (OSIP 14-03) (SAFETY /RELIABILITY/IMPROVEMENT)				- / 530.589	- / 86.663	- / 159.748	- / 148.194	- / 0.000	- / 148.194
P-3a	10 / Core Avionics Improvements / Upgrades (OSIP 023-04) (Capability and Reliability Improvements)				- / 259.847	- / 85.317	- / 68.480	- / 70.633	- / 0.000	- / 70.633
P-3a	12 / AESA/AN-APG-65/AN-APG-73 (OSIP 002-07) (AVIONICS UPGRADE)				- / 838.047	- / 110.818	- / 148.546	- / 197.762	- / 0.000	- / 197.762
P-3a	14 / Network Centric Operations: (OSIP 001-10) (Avionics Upgrade)				- / 184.368	- / 24.922	- / 23.140	- / 32.504	- / 0.000	- / 32.504
P-3a	15 / EA-18G Unique OSIP (011-10) (SAFETY /RELIABILITY/ IMPROVEMENT)				- / 88.366	- / 11.919	- / 22.632	- / 34.804	- / 0.000	- / 34.804
P-3a	16 / Power and Propulsion (11-13) (Safety, Readiness, Reliability)				- / 37.379	- / 13.101	- / 34.523	- / 47.346	- / 0.000	- / 47.346
P-3a	18 / Automated Information Systems (AIS) (OSIP 018-14) (Safety)				- / 61.184	- / 33.445	- / 35.597	- / 44.188	- / 0.000	- / 44.188
P-3a	19 / F/A-18E/F and EA-18G SLEP (OSIP 020-14) (SAFETY / LIFE EXTENSION)				- / 9.937	- / 23.415	- / 39.519	- / 87.424	- / 0.000	- / 87.424
P-3a	20 / Priority Stores Integration (OSIP 10-16) (CAPABILITY IMPROVEMENT)				- / 0.000	- / 13.565	- / 13.136	- / 10.536	- / 0.000	- / 10.536
P-40	**Total Gross/Weapon System Cost**				**- / 7,360.084**	**- / 899.389**	**- / 917.892**	**- / 1,043.661**	**- / 0.000**	**- / 1,043.661**

Exhibit P-40, Budget Line Item Justification: FY 2018 Navy | **Date:** May 2017

Appropriation / Budget Activity / Budget Sub Activity:
1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft

P-1 Line Item Number / Title:
0525 / F-18 Series

ID Code (A=Service Ready, B=Not Service Ready): A | **Program Elements for Code B Items:** N/A | **Other Related Program Elements:** N/A

Line Item MDAP/MAIS Code: 000

Exhibits Schedule					FY 2019	FY 2020	FY 2021	FY 2022	To Complete	Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/ MAIS Code	Quantity / Total Cost *(Each) I ($ M)*	Quantity / Total Cost *(Each) I ($ M)*	Quantity / Total Cost *(Each) I ($ M)*	Quantity / Total Cost *(Each) I ($ M)*	Quantity / Total Cost *(Each) I ($ M)*	Quantity / Total Cost *(Each) I ($ M)*
P-40a	Joint Helmet Mounted Cueing System (JHMCS) (OSIP 24-00)				- / -	- / -	- / -	- / -	- / -	- / -
P-40a	Advanced Targeting Forward Looking Infrared (ATFLIR) (OSIP 12-01)				- / -	- / -	- / -	- / -	- / -	- / -
P-40a	Litening AT Targeting Pod (OSIP 024-04)				- / -	- / -	- / -	- / -	- / -	- / -
P-40a	EW Unique (OSIP 021-08)				- / -	- / -	- / -	- / -	- / -	- / -
P-40a	Infrared Search and Track (IRST) (04-14)				- / -	- / -	- / -	- / -	- / -	- / -
P-40a	Inactive OSIPs				- / -	- / -	- / -	- / -	- / -	- / -
P-3a	1 / Correction of Discrepancies (OSIP 11-84) (SAFETY /RELIABILITY/ IMPROVEMENT)				- / -	- / -	- / -	- / -	- / -	- / -
P-3a	2 / Digital Communications System (DCS) (OSIP 10-99) (CAPABILITY IMPROVEMENT)				- / -	- / -	- / -	- / -	- / -	- / -
P-3a	3 / F/A-18 Aircraft Structural Life Management Plan (SLMP) (OSIP 11-99) CBR+ (SAFETY / LIFE EXTENSION)				- / -	- / -	- / -	- / -	- / -	- / -
P-3a	4 / Multi-Functional Information Distribution System (MIDS) (OSIP 12-99) (CAPABILITY IMPROVEMENT)				- / -	- / -	- / -	- / -	- / -	- / -
P-3a	5 / USMC F/A-18 Upgrade ECP-583 (OSIP 21-00) (AVIONICS UPGRADE)				- / -	- / -	- / -	- / -	- / -	- / -
P-3a	8 / F/A-18C/D/E/F and EA-18G Training System (OSIP 006-02) (TRAINERS UPGRADE)				- / -	- / -	- / -	- / -	- / -	- / -
P-3a	9 / E/F & EA-18G Correction of Operational Discrepancies (OSIP 14-03) (SAFETY /RELIABILITY/IMPROVEMENT)				- / -	- / -	- / -	- / -	- / -	- / -
P-3a	10 / Core Avionics Improvements / Upgrades (OSIP 023-04) (Capability and Reliability Improvements)				- / -	- / -	- / -	- / -	- / -	- / -
P-3a	12 / AESA/AN-APG-65/AN-APG-73 (OSIP 002-07) (AVIONICS UPGRADE)				- / -	- / -	- / -	- / -	- / -	- / -
P-3a	14 / Network Centric Operations: (OSIP 001-10) (Avionics Upgrade)				- / -	- / -	- / -	- / -	- / -	- / -
P-3a	15 / EA-18G Unique OSIP (011-10) (SAFETY /RELIABILITY/ IMPROVEMENT)				- / -	- / -	- / -	- / -	- / -	- / -
P-3a	16 / Power and Propulsion (11-13) (Safety, Readiness, Reliability)				- / -	- / -	- / -	- / -	- / -	- / -
P-3a	18 / Automated Information Systems (AIS) (OSIP 018-14) (Safety)				- / -	- / -	- / -	- / -	- / -	- / -
P-3a	19 / F/A-18E/F and EA-18G SLEP (OSIP 020-14) (SAFETY / LIFE EXTENSION)				- / -	- / -	- / -	- / -	- / -	- / -
P-3a	20 / Priority Stores Integration (OSIP 10-16) (CAPABILITY IMPROVEMENT)				- / -	- / -	- / -	- / -	- / -	- / -
P-40	**Total Gross/Weapon System Cost**				**- / 1,199.801**	**- / 1,526.601**	**- / 1,538.112**	**- / 1,560.105**	**- / 5,988.627**	**- / 22,034.272**

*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. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

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

Exhibit P-40, Budget Line Item Justification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft	**P-1 Line Item Number / Title:** 0525 / F-18 Series	
ID Code (A=Service Ready, B=Not Service Ready): A	**Program Elements for Code B Items:** N/A	**Other Related Program Elements:** N/A
Line Item MDAP/MAIS Code: 000		

Justification:
The overall goal of the modifications budgeted in FY 2018 is to implement commonality/capability and structural safety and reliability improvements. Justifications for the changes in the budget from FY17 to FY18 are as follows:

OSIP 11-84 decreases due to reduced Engineering Change Proposal (ECP) quantities being procured. This OSIP addresses F/A-18 A/B/C/D aircraft correction of deficiencies discovered during sustainment activities, engineering analysis, standard depot level evaluations, and/or normal fleet operations by implementing ECPs to modify, improve, and restore aircraft structural and sub-systems safety and reliability to designed aircraft life limits.

OSIP 10-99 increases due to increased procurement of Gen 5 radios from a quantity of 41 in FY17 to a quantity of 128 in FY18. The Gen5 radio is a Crypto Modernized (Embedded COMSEC Module) ARC-210 radio that is a form/fit replacement for RT-1824 DCS radio in currently in the COMM2 position.

OSIP 11-99 increases due to the ramp-up of the F/A-18A-D SLEP program, as reflected by the procurement of 17 ECPs in FY18 vice 13 ECPs in FY17. In addition, kit quantity procurements for some ECPs increased from two kits in FY17 to as many as 20 kits in FY18. Installs increase from FY17 to FY18 as well. This OSIP incorporates aircraft structural and sub-systems modifications that are required to attain required F/A-18A-D service life, and maintain sufficient aircraft inventory to meet fleet operational requirements through FY 2030.

OSIP 12-99 increases due to procurement of ECP 6445 kits and MIDS JTRS Upgrades (CMN-4) in FY18. This OSIP funds MIDS JTRS, which is a 4th Generation LINK 16 terminal. It provides secure, jam-resistant, high throughput digital and data communications that supports positive identification, precise location, situational awareness, sensor to shooter coordination, and reduction of fratricide between U.S. and Allied aircraft, maritime and ground forces.

OSIP 21-00 decreases due to decreased USMC Higher Order Language (HOL) testing efforts as reflected in the Other Support cost element. This OSIP funds upgrades for USMC F/A-18A/B/C/D aircraft structural and avionics, including hardware and software capabilities, in order to meet mission-critical requirements of the USMC Tactical Aircraft Integration Plan while implementing upgraded cockpit displays and improving flight safety.

OSIP 24-00 decreases due to reduced installs from 36 in FY17 to 21 in FY18. This OSIP provides the fleet with JHMCS to cue onboard weapons to the pilot's line of sight including high off boresight weapons.

OSIP 12-01 increases due to a software upgrade as well as increased installs from 70 in FY17 to 172 in FY18. This OSIP funds the ATFLIR Remote Operations Video Enhanced Receiver (ROVER) data link wiring kits which enable the transmission of full motion video from the ATFLIR pod to the ROVER ground stations allowing ground commanders to coordinate directly with the aircrew for non-traditional intelligence, surveillance and reconnaissance missions as well as close air support missions.

OSIP 06-02 decreases due to decreased aircrew trainer modifications. This OSIP funds F/A-18C-F and EA-18G aircrew and maintenance training systems to support 29C and H14 software concurrency capabilities to meet current fleet readiness squadron and fleet training and readiness requirements to increase the simulation fidelity of aircraft driven changes implemented across a distributed architecture and simulated threat environment.

OSIP 14-03 decreases due to decreased kit procurements and installs. This OSIP funds modifications required for the Super Hornet and Growler in order to correct aircraft discrepancies and life limited locations required to continue to fly the aircraft to its design life.

OSIP 23-04 increases due to non-recurring engineering for Type 3 Mission Computer 4th Processor. This OSIP funds F/A-18 System Configuration Set mission computer software, and associated Joint Mission Planning System Unique hardware and software updates, retrofit modifications, corrections of fleet discrepancies and associated test verification, and improvements driven by aircraft avionics modifications and fleet requirements. Funding for a Civilian Instrument Landing System capability is also included. It also provides the fleet with multiple upgrades to the Core Avionics systems of FA-18 series aircraft. Modifications include: Solid State Recorders for F/A-18C/D/E, 24 Port Fiber Channel Network Switch (FCNS) and Advanced Capability Mission Computer (ACMC) for EA-18G that are necessary for Next Generation Jammer (NGJ).

Exhibit P-40, Budget Line Item Justification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 05: Modification of Aircraft / BSA 1: Modification of Aircraft	**P-1 Line Item Number / Title:** 0525 / F-18 Series	
ID Code (A=Service Ready, B=Not Service Ready): A	**Program Elements for Code B Items:** N/A	**Other Related Program Elements:** N/A
Line Item MDAP/MAIS Code: 000		

OSIP 24-04 increases due to increased installations of kits.

OSIP 02-07 increases due to ramp up of the Counter-Electronic Attack (CEA) program resulting in increased procurements of general purpose processor - 3, 5th and 6th channel, and waveform generator kits from 59 kits procured in FY17 to a quantity of 145 in FY18. This OSIP funds the integration of CEA capability for the APG-79 Radar, procures Configuration D Kits to enable CEA capabilities, and funds radar obsolescence mitigations for APG-65/73 and APG-79 radars to improve Fleet Readiness.

OSIP 21-08 increases due to a software upgrade as well as increased installs. This OSIP funds ALR-67(V)3 radar warning receiver systems to be used to retrofit F/A-18C/D/E/F platforms, particularly supporting the FY15 Congressional Add to retrofit USMC F/A-18 C/D aircraft, to also include ECP-622 ALR-67(V)3 wiring kit installations.

OSIP 01-10 increases due to increased procurement of DTS and DTU B-kits from 44 in FY17 to 881 in FY18. This OSIP provides the fleet with a common capability that includes Distributed Targeting System (DTS), Digital Memory Device (DMD) or Digital Transfer Unit (DTU), and Upgraded Solid State Recorder (USSR), to support all mission areas and establish common configuration across F-18 Block II aircraft. It also funds Accurate Navigation, which functions as a Global Positioning System/ Inertial Navigation System and provides precision targeting data, improved position, velocity, & time.

OSIP 11-10 increases due to procurement of depot support equipment and I-level Operational Test Program Sets. This OSIP funds EA-18G ALQ-99 hardback retrofit/modification completion as well as begins ALQ-218 hardware and software modification efforts for increased emitter detection.

OSIP 11-13 increases due to ramp up of the Generator Converter Unit (GCU) program, resulting in increased kit procurements from 178 kits in FY17 to 233 kits in FY18. This OSIP addresses the reliability and maintainability shortfalls of the F/A-18E/F and EA-18G GCU, the top degrader in the fleet, through procurement of GCU upgrade kits that will increase reliability from 109 hours to 285 hours between removals, directly reducing demand and allowing limited repair production capacity to support deployed aircraft.

OSIP 04-14 decreases due to reduced non-recurring engineering and support for the Infrared Search and Track (IRST) Block I program. This OSIP funds procurement of Block I pods and related support equipment which will provide an out of band, long range passive detection and track capability as an alternate fire control system in a high threat electronic attack (RADAR denied) environment to support target breakout and weapons quality tracks in both day and night operations.

OSIP 18-14 increases due to increased software procurements. The F/A-18 A-F and EA-18G Automated Maintenance Environment (AME) system allows the maintainer to safely perform maintenance on the F-18A-F and EA-18G by using electronic publications, maintenance documentation environment and work stations. The Weaponeering, Integrated, Naval Aviation Technical Information Product (NATIP), Naval Air Training and Operating Procedures Standardization (NATOPS) (WINN) system allows the aircrew to safely employ the aircraft and its weapons in a tactical environment by providing the NATOPS (aircraft) and NATIP (weapons) manuals as well as providing the flight clearances required for safe flight operations.

OSIP 20-14 increases due to ramp up of the F/A-18E/F service life extension program, with increased kit procurements from two ECPs in FY17 to 15 ECPs in FY18. This OSIP funds modifications required to extend the F/A-18E/F and EA-18G service life and maintain sufficient aircraft inventory to meet fleet operational requirements through FY2043.

OSIP 10-16 decreases due to reduced software efforts. This OSIP will be used to facilitate priority stores integration, to include AIM-120 advanced medium range air to air missile single carriage on F/A-18E/F midboard station; ECPs; and air worthiness analysis and/or certification to support fleet requests, such as Joint Direct Attack Munition - Extended Range (JDAM-ER), hot loading, air launched decoy, and dual carriage of GBU32 1000lb JDAM on bomb rack unit (BRU55).

Exhibit P-40a, Budget Item Justification For Aggregated Items: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Aggregated Items Title:** Joint Helmet Mounted Cueing System (JHMCS) (OSIP 24-00)

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2016			FY 2017			FY 2018 Base			FY 2018 OCO			FY 2018 Total		
			Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
A Kits/Recurrring																				
C/D A-Kit -- Procurement (1)	A		92,908.84	362	33.633	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C/D A-Kit -- Installation	A		-	-	32.456	-	-	1.920	-	-	2.280	-	-	-	-	-	-	-	-	-
E/F A-Kit -- Procurement (2)	A		93,308.99	178	16.609	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
E/F A-Kit -- Installation	A		-	-	13.160	-	-	1.509	-	-	1.547	-	-	1.861	-	-	-	-	-	1.861
A-Kits Archive	A		4,315.51	1,141	4.924	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: A Kits/Recurrring			**-**	**-**	***100.782***	**-**	**-**	***3.429***	**-**	**-**	***3.827***	**-**	**-**	***1.861***	**-**	**-**	**-**	**-**	**-**	***1.861***
A Kits/Non-Recurrring																				
Installation Kits N/R	A		-	-	18.832	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: A Kits/Non-Recurrring			**-**	**-**	***18.832***	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
B Kits/Recurrring																				
27C SCS	A		-	-	-	-	-	0.022	-	-	-	-	-	-	-	-	-	-	-	-
B-Kits Archive	A		31,272.94	3,466	108.392	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: B Kits/Recurrring			**-**	**-**	***108.392***	**-**	**-**	***0.022***	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
B Kits/Non-Recurrring																				
Installation Equipment N/R	A		-	-	1.281	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: B Kits/Non-Recurrring			**-**	**-**	***1.281***	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Support Cost																				
Engineering Change Orders	A		-	-	0.794	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Data	A		-	-	6.503	-	-	0.005	-	-	-	-	-	-	-	-	-	-	-	-
Support Equipment	A		112,137.93	174	19.512	-	-	0.073	-	-	-	-	-	-	-	-	-	-	-	-
ILS (3)	A		-	-	22.866	-	-	0.206	-	-	0.170	-	-	0.173	-	-	-	-	-	0.173
Other Support (4)	A		-	-	15.361	-	-	0.434	-	-	0.132	-	-	0.134	-	-	-	-	-	0.134
Subtotal: Support Cost			**-**	**-**	***65.036***	**-**	**-**	***0.718***	**-**	**-**	***0.302***	**-**	**-**	***0.307***	**-**	**-**	**-**	**-**	**-**	***0.307***
Total			**-**	**-**	**294.323**	**-**	**-**	**4.169**	**-**	**-**	**4.129**	**-**	**-**	**2.168**	**-**	**-**	**0.000**	**-**	**-**	**2.168**

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

Remarks:
Models of Systems Affected: F/A-18 and EA-18G
Type Modification: CAPABILITY IMPROVEMENT

The Joint Helmet-Mounted Cueing System (JHMCS) is a multi-service system that provides United States Air Force (USAF), United States Navy (USN), and United States Marine Corps aircraft the capability to cue and verify on-board weapons and weapons sensors to a specific azimuth/elevation determined by the pilot's head position and to confirm sensor line-of-sight. The intent is to reduce tasks required of aircrews, verify seeker/sensor position, and enhance weapons employment opportunities. The JHMCS incorporates an ejection-compatible helmet-mounted display system, with capability to cue and verify cueing of high off-axis sensors and weapons, on USAF and USN single seat and two seat fighter

Exhibit P-40a, Budget Item Justification For Aggregated Items: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Aggregated Items Title:** Joint Helmet Mounted Cueing System (JHMCS) (OSIP 24-00)

aircraft. JHMCS night vision cueing and display will provide the ability to cue and display weapons and sensors at night through the initial fielding of a narrow field of view night vision device that integrates the JHMCS cueing and display symbology. SJU-17B Navy Aircrew Common Ejection Seat (NACES), cockpit video recording system and tactical aircraft moving map capability digital map computer are required for retrofit installation of JHMCS. This OSIP also provides for the upgrade modification of SJU-17A NACES, and the replacement of SJU-5 ejection seats with retrofit SJU-17B NACES for Lot 12 F/A-18C aircraft. Installation of Aft Seat JHMCS capability for Lot 23-25 F/A-18F will be performed concurrent with the upgrade retrofit installation of the Type 2 Advanced Mission Computer (AMC) and the Solid State Recorder (SSR) in OSIP 23-04.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

All developmental milestones have been completed. ECP-570R4 is completing its final aircraft integration milestones. AFC-400 Rev A for Lot 12 F/A-18C completed validation/verification and retrofit installation began in 2015. Retrofit installations for Lot 23-25 F/A-18F began in 2016 and will continue through 2018 concurrent with AMC and SSR (OSIP 23-04).

Footnotes:

(1) Install costs vary due to significant differences in work required by type/model/series and location performed. Labor rates vary depending upon whether work is performed Continental United States (CONUS) or Outside Continental United States (OCONUS), and by commercial or organic depots.

(2) Install costs vary due to significant differences in work required by Type Model Series and location performed. Labor rates vary depending upon whether work is performed CONUS or OCONUS, and by Commercial or Organic depots.

(3) Due to installs being performed in FY16 - FY19, ILS funding is also required in those years.

(4) Due to installs being performed in FY16 - FY19, Other Support funding is also required in those years.

Exhibit P-40a, Budget Item Justification For Aggregated Items: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Aggregated Items Title:** Advanced Targeting Forward Looking Infrared (ATFLIR) (OSIP 12-01)

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2016			FY 2017			FY 2018 Base			FY 2018 OCO			FY 2018 Total		
			Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
A Kits/Recurrring																				
ARDL (A6) Kits (ECP 6342) -- Procurement	A		5,784.09	264	1.527	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARDL (A6) Kits (ECP 6342) -- Installation	A		-	-	0.639	-	-	-	-	-	0.060	-	-	0.060	-	-	-	-	-	0.060
ARDL (A3, A4, A8, A9) Kits (ECP 6342) -- Procurement (5)	A		7,499.65	1,423	10.672	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARDL (A3, A4, A8, A9) Kits (ECP 6342) -- Installation	A		-	-	3.339	-	-	0.200	-	-	0.315	-	-	0.974	-	-	-	-	-	0.974
Subtotal: A Kits/Recurrring			**-**	**-**	***16.177***	**-**	**-**	***0.200***	**-**	**-**	***0.375***	**-**	**-**	***1.034***	**-**	**-**	**-**	**-**	**-**	***1.034***
A Kits/Non-Recurrring																				
Installation Kits N/R	A		-	-	6.128	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: A Kits/Non-Recurrring			**-**	**-**	***6.128***	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
B Kits/Recurrring																				
ATFLIR EOSU ECP10 - RTOC -- Procurement	A		49,880.70	285	14.216	46,068.97	116	5.344	-	-	-	-	-	-	-	-	-	-	-	-
ATFLIR EOSU ECP10 - RTOC -- Installation	A		-	-	1.329	-	-	0.439	-	-	-	-	-	-	-	-	-	-	-	-
ECP-0035 Daylight Ops - OCO	A		171,209.09	110	18.833	118,833.33	60	7.130	-	-	-	-	-	-	-	-	-	-	-	-
H14 SCS	A		-	-	-	-	-	0.040	-	-	-	-	-	-	-	-	-	-	-	-
H16 SCS	A		-	-	-	-	-	-	-	-	-	-	-	1.240	-	-	-	-	-	1.240
B-Kits Archive	A		367,323.55	1,329	488.173	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prior Year Installs	A		5,988.10	504	3.018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: B Kits/Recurrring			**-**	**-**	***525.569***	**-**	**-**	***12.953***	**-**	**-**	**-**	**-**	**-**	***1.240***	**-**	**-**	**-**	**-**	**-**	***1.240***
B Kits/Non-Recurrring																				
Installation Equipment N/R	A		-	-	80.591	-	-	2.021	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: B Kits/Non-Recurrring			**-**	**-**	***80.591***	**-**	**-**	***2.021***	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Support Cost																				
Engineering Change Orders	A		-	-	94.710	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Data	A		-	-	8.506	-	-	-	-	-	-	-	-	0.141	-	-	-	-	-	0.141
Training Equipment	A		-	-	4.315	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support Equipment	A		-	-	66.567	-	-	0.214	-	-	-	-	-	-	-	-	-	-	-	-
ILS	A		-	-	74.025	-	-	0.115	-	-	-	-	-	-	-	-	-	-	-	-
Other Support	A		-	-	10.550	-	-	1.333	-	-	0.427	-	-	0.435	-	-	-	-	-	0.435

Exhibit P-40a, Budget Item Justification For Aggregated Items: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Aggregated Items Title:** Advanced Targeting Forward Looking Infrared (ATFLIR) (OSIP 12-01)

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2016			FY 2017			FY 2018 Base			FY 2018 OCO			FY 2018 Total		
			Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Subtotal: Support Cost			-	-	***258.673***	-	-	***1.662***	-	-	***0.427***	-	-	***0.576***	-	-	-	-	-	***0.576***
Total			-	-	**887.138**	-	-	**16.836**	-	-	**0.802**	-	-	**2.850**	-	-	**0.000**	-	-	**2.850**

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

Remarks:
Models of Systems Affected: F/A-18A+/C/D/E/F
Type Modification: CAPABILITY IMPROVEMENTS

The Advanced Targeting Forward Looking Infrared (ATFLIR) (Operational Requirements Document# 700-88-06) will provide the F/A-18A+/C/D/E/F and E/A-18G with an enhanced capability to detect, track and attack air and ground targets. Laser guided and global positioning system standoff weapon systems with greater standoff ranges require improved performance over second generation targeting pods. The ATFLIR currently utilizes the third generation of forward looking infrared technology and provides a quantum leap in operational effectiveness to fully support the standoff precision strike mission. This Operational, Safety and Improvement Program (OSIP) is used to perform efforts to address parts obsolescence and to examine and incorporate potential ATFLIR-related capability upgrades associated with network centric operations, interoperability requirements, and upgraded targeting capability requirements. ATFLIR modernization upgrade will be a set of ECPs designed to improve the reliability and maintainability of the pod while mitigating numerous obsolescence issues.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

ATFLIR development began in FY1997. Full rate production approval was given in October 2003. Full Operational Capability was met in July 2010. Motion Compensation and Electro-Optical Daylight Operations Improvement upgrades commenced June 2009 with completion planned for December 2019.

Footnotes:
(5) The installation of ARDL (A3, A4, A8, A9) kits has been delayed due to aircraft availability based on the requirements needed to train and prepare for deployment.

Exhibit P-40a, Budget Item Justification For Aggregated Items: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0525 / F-18 Series	Aggregated Items Title: Litening AT Targeting Pod (OSIP 024-04)

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2016			FY 2017			FY 2018 Base			FY 2018 OCO			FY 2018 Total		
			Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
A Kits/Recurrring																				
F/A-18C A-kits -- Procurement (6)	A		30,652.63	95	2.912	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
F/A-18C A-kits -- Installation	A		-	-	0.517	-	-	0.275	-	-	0.131	-	-	0.247	-	-	-	-	-	0.247
F/A-18D A-kits val/ ver (Lots 12 and 13) -- Procurement	A		147,500.00	2	0.295	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
F/A-18D A-kits val/ ver (Lots 12 and 13) -- Installation	A		-	-	0.014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
F/A-18D A-kits (Lots 12 and 13) -- Procurement	A		31,217.39	23	0.718	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
F/A-18D A-kits (Lots 12 and 13) -- Installation	A		-	-	-	-	-	0.288	-	-	-	-	-	-	-	-	-	-	-	-
A-kits Archive	A		36,678.16	87	3.191	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: A Kits/Recurrring			**-**	**-**	***7.647***	**-**	**-**	***0.563***	**-**	**-**	***0.131***	**-**	**-**	***0.247***	**-**	**-**	**-**	**-**	**-**	***0.247***
A Kits/Non-Recurrring																				
Installation Kits N/R	A		-	-	1.225	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: A Kits/Non-Recurrring			**-**	**-**	***1.225***	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
B Kits/Recurrring																				
B-kits Archive	A		1,886K	64	120.716	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: B Kits/Recurrring			**-**	**-**	***120.716***	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
B Kits/Non-Recurrring																				
Installation Equipment N/R	A		-	-	6.216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: B Kits/Non-Recurrring			**-**	**-**	***6.216***	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Support Cost																				
Engineering Change Orders	A		-	-	10.025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Data	A		-	-	2.853	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Training Equipment	A		-	-	0.289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support Equipment	A		-	-	0.484	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ILS (7)	A		-	-	2.466	-	-	0.101	-	-	0.244	-	-	0.248	-	-	-	-	-	0.248
Other Support (8)	A		-	-	11.676	-	-	0.689	-	-	0.614	-	-	0.618	-	-	-	-	-	0.618
Subtotal: Support Cost			**-**	**-**	***27.793***	**-**	**-**	***0.790***	**-**	**-**	***0.858***	**-**	**-**	***0.866***	**-**	**-**	**-**	**-**	**-**	***0.866***
Total			**-**	**-**	**163.597**	**-**	**-**	**1.353**	**-**	**-**	**0.989**	**-**	**-**	**1.113**	**-**	**-**	**0.000**	**-**	**-**	**1.113**

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

Exhibit P-40a, Budget Item Justification For Aggregated Items: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Aggregated Items Title:** Litening AT Targeting Pod (OSIP 024-04)

Remarks:
Models of Systems Affected: F/A-18A+/C/D
Type Modification: CAPABILITY IMPROVEMENTS

The LITENING Advanced Targeting (AT) Pod (AN-AAQ-28) possesses qualities essential to the Marine Corps' F/A-18A+/C/D's in the execution of operations within the combat spectrum providing the Marine Air Ground Task Force with crucial capabilities in the expeditionary land based environment. LITENING AT Pod capabilities include: laser/Infrared (IR) marker functionality, image data link functionality, cooperative laser guided illumination, laser spot tracker, and limited weapons damage assessment capability. Northrop Grumman's LITENING pod has demonstrated improved reliability and maintainability during combat operation.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:
LITENING is a commercial off the shelf non-developmental item. This Operational, Safety and Improvement Program (OSIP) funds hardware for modifications to include personal computer memory card international association cards, station four adapters, wiring kits, loaders, etc. as well as desired software enhancements to take advantage of new capabilities. LITENING kits for F/A-18D (lots 14 and up) were procured in prior years and have reconnaissance wiring. LITENING kits for F/A-18D (lots 12 and 13) are engineered for aircraft without reconnaissance wiring and were procured in FY13.

Footnotes:
(6) Installs are aligned to the schedule provided by CNAF, to be completed with kits already procured. The kits were originally intended to be installed in FY15 and FY16.
(7) ILS costs are required for ongoing installs within this OSIP.
(8) Other Support costs are required for ongoing installs within this OSIP.

Exhibit P-40a, Budget Item Justification For Aggregated Items: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0525 / F-18 Series	Aggregated Items Title: EW Unique (OSIP 021-08)

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2016			FY 2017			FY 2018 Base			FY 2018 OCO			FY 2018 Total		
			Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
A Kits/Recurrring																				
ALR-67(V)3 USMC Cong Add -- Procurement (9)	A		33,000.00	30	0.990	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ALR-67(V)3 USMC Cong Add -- Installation	A		-	-	0.750	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OCO ALR 67(V)3 -- Procurement	A		41,230.00	100	4.123	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OCO ALR 67(V)3 -- Installation	A		-	-	0.638	-	-	0.400	-	-	0.450	-	-	1.025	-	-	-	-	-	1.025
ECP 6389 (ALQ-214)	A		172,600.00	5	0.863	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-Kits Archive	A		172,600.00	5	0.863	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: A Kits/Recurrring			**-**	**-**	***8.227***	**-**	**-**	***0.400***	**-**	**-**	***0.450***	**-**	**-**	***1.025***	**-**	**-**	**-**	**-**	**-**	***1.025***
A Kits/Non-Recurrring																				
Installation Kits N/R	A		-	-	2.078	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: A Kits/Non-Recurrring			**-**	**-**	***2.078***	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
B Kits/Recurrring																				
F/A-18 C/D ALR-67(V)3 Retrofit USMC (10)	A		1,204K	30	36.113	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B-Kits Archive	A		259,256.62	491	127.295	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: B Kits/Recurrring			**-**	**-**	***163.408***	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
B Kits/Non-Recurrring																				
Installation Equipment N/R	A		-	-	12.190	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: B Kits/Non-Recurrring			**-**	**-**	***12.190***	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Support Cost																				
Software - ALR-67(V)3 system S/W upgrade	A		-	-	21.205	-	-	0.329	-	-	-	-	-	0.133	-	-	-	-	-	0.133
Data	A		-	-	0.795	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Training Equipment	A		-	-	0.276	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support Equipment	A		-	-	5.746	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ILS	A		-	-	8.480	-	-	0.008	-	-	0.009	-	-	0.012	-	-	-	-	-	0.012
Other Support	A		-	-	8.744	-	-	0.042	-	-	0.025	-	-	0.030	-	-	-	-	-	0.030
Subtotal: Support Cost			**-**	**-**	***45.246***	**-**	**-**	***0.379***	**-**	**-**	***0.034***	**-**	**-**	***0.175***	**-**	**-**	**-**	**-**	**-**	***0.175***
Total			**-**	**-**	**231.149**	**-**	**-**	**0.779**	**-**	**-**	**0.484**	**-**	**-**	**1.200**	**-**	**-**	**0.000**	**-**	**-**	**1.200**

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

Remarks:

Exhibit P-40a, Budget Item Justification For Aggregated Items: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Aggregated Items Title:** EW Unique (OSIP 021-08)

Models of Systems Affected: F/A-18C/D/E/F ALR-67(V)3 Retrofit
Type Modification: Capability Improvements

Purchase additional ALR-67(V)3 Radar Warning Receiver (RWR) systems to be used to retrofit F/A-18C/D/E/F platforms. These systems will replace existing ALR-67(V)2 systems. This will significantly increase aircrew survivability in the legacy F/A-18. The repetitive obsolescence issues of the V(2) system is a consistent issue in the F/A-18 community. The RWR ALR-67(V)3 is the threat recognition providing situational awareness for the aircrew and is vital to their own safety as well as providing the opportunity to support the ground troops. This retrofit reduces the risk of lost aircraft and aircrew in a hostile environment, improves close air support, and reduces the risk of blue on blue fratricide. The Operational, Safety and Improvement Program (OSIP) also performs required safety of flight modifications (ECP 622, ECP AV064, ECP AV081), addresses obsolescence issues, sustainment, and incorporates system improvements for all electronic warfare unique requirements to include software modifications. ALQ-214(V)4/5 kit procurement is required for integration testing to determine ALR-67(V)3 and ALQ-214(V)5 compatibility.

FY15 Congressional Add funding was received for USMC Electronic Warfare (EW) Improvements to include ALR-67(v)3 kits and installs. This funding will also be used for FY16 and FY17 support of the FY15 Congressional kit procurements and installs as well as other related EW improvements supporting the USMC such as engineering and integration, software modifications, and support equipment.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: V(3) Development and integration efforts started in FY10 and delivery and installs of A-kits began in FY14 and will continue through FY18.

Footnotes:

(9) FY15 Congressional Add received for USMC Improvements to procure a quantity of 30 ALR-67(V)3 A-kits. Kits are installed in FY17 using FY15 Congressional Add funding.

(10) FY15 Congressional Add received for USMC Improvements to procure a quantity of 10 ALR-67(V)3 B-kits. FY14 baseline funding was used to procure 20 ALR-67(V)3 B-kits, for a total quantity of 30 B-kits.

Exhibit P-40a, Budget Item Justification For Aggregated Items: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Aggregated Items Title:** Infrared Search and Track (IRST) (04-14)

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2016			FY 2017			FY 2018 Base			FY 2018 OCO			FY 2018 Total		
			Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
B Kits/Recurrring																				
IRST B-kits (Block I) (11)	A		8,790K	6	52.739	6,050K	12	72.603	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: B Kits/Recurrring			**-**	**-**	***52.739***	**-**	**-**	***72.603***	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
B Kits/Non-Recurrring																				
Installation Equipment N/R	A		-	-	11.391	-	-	8.669	-	-	1.341	-	-	0.850	-	-	-	-	-	0.850
Subtotal: B Kits/Non-Recurrring			**-**	**-**	***11.391***	**-**	**-**	***8.669***	**-**	**-**	***1.341***	**-**	**-**	***0.850***	**-**	**-**	**-**	**-**	**-**	***0.850***
Support Cost																				
Data	A		-	-	0.008	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support Equipment	A		-	-	0.104	-	-	5.709	-	-	0.674	-	-	1.219	-	-	-	-	-	1.219
ILS	A		-	-	1.384	-	-	0.420	-	-	0.431	-	-	0.444	-	-	-	-	-	0.444
Other Support	A		-	-	2.059	-	-	8.305	-	-	2.874	-	-	1.142	-	-	-	-	-	1.142
Subtotal: Support Cost			**-**	**-**	***3.555***	**-**	**-**	***14.434***	**-**	**-**	***3.979***	**-**	**-**	***2.805***	**-**	**-**	**-**	**-**	**-**	***2.805***
Total			**-**	**-**	**67.685**	**-**	**-**	**95.706**	**-**	**-**	**5.320**	**-**	**-**	**3.655**	**-**	**-**	**0.000**	**-**	**-**	**3.655**

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

Remarks:
Models of Systems Affected: F/A-18 E/F
Type Modification: CAPABILITY IMPROVEMENTS

The Infrared Search and Track (IRST) will provide the F/A-18E/F (Lot 26 and up) with an Alternative Fire Control System in a high electronic attack/radar denied environment. IRST is an evolutionary program using a block approach. This Operational, Safety and Improvement Program (OSIP) is used to procure Block I IRST systems [Low Rate Initial Production (LRIP) and Full Rate Production (FRP)] as well as Block II Engineering Change Proposal (ECP), modifications and incorporation including retrofit and forward fit. Block II modifications include changes to the Infrared Receiver (IRR) and processor and any subsystem that supports the IRR or processor.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:
IRST development began in FY2008. IRST Block I Milestone B occurred on 17 June 2011 and the Acquisition Decision Memorandum was signed 12 July 2011. Block I Milestone C occurred on 02 December 2014 and the Acquisition Decision Memorandum was signed 24 March 2015. The LRIP I contract was awarded on 15 January 2015. Initial Operational Capability is scheduled for 2nd Quarter FY 2024.

Funding in FY17 and FY18 supports production line engineering, production acceptance testing, support equipment, integrated logistics support and other support related to the production of IRST systems that were procured in FY15 and FY16. These systems have a production lead time of approximately 24 months, and will be in production until 2Q20.

Footnotes:
(11) IRST kits are O-level install items and have no related install cost/schedule.

Exhibit P-40a, Budget Item Justification For Aggregated Items: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Aggregated Items Title:** Inactive OSIPs

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2016			FY 2017			FY 2018 Base			FY 2018 OCO			FY 2018 Total		
			Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Support Cost																				
Inactive OSIPs	A		-	-	265.409	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support Cost			**-**	**-**	***265.409***	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Total			**-**	**-**	**265.409**	**-**	**-**	**0.000**	**-**	**-**	**0.000**	**-**	**-**	**0.000**	**-**	**-**	**0.000**	**-**	**-**	**0.000**

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

Remarks:
Inactive OSIPs prior year totals.

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 1 / Correction of Discrepancies (OSIP 11-84)
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	

Resource Summary	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	1,215.448	61.606	78.833	78.271	0.000	78.271	-	-	-	-	-	-
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) *($ in Millions)*	1,215.448	61.606	78.833	78.271	0.000	78.271	-	-	-	-	-	-
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**1,215.448**	**61.606**	**78.833**	**78.271**	**0.000**	**78.271**	**-**	**-**	**-**	**-**	**-**	**-**
(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 Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Corrections to discrepancies found during testing and evaluation can sometimes be incorporated into production aircraft, effective with the physical configuration audit which establishes the product baseline of the aircraft. However, when this cannot be done due to time constraints, retrofit of the changes into already delivered aircraft requires funding through the aircraft modification program. Additionally, aircraft discrepancies can be discovered during sustainment activities, engineering analysis, standard depot level evaluations, and/or during normal fleet operations. Not addressing these structural and system discrepancies will create maintenance and supply problems, and adversely impact safety of flight and operational readiness. This Operational, Safety and Improvement Program (OSIP) provides resources to correct such issues via Engineering Change Proposal (ECP) and other applicable procurement efforts by modifying, improving, and restoring aircraft structural safety and reliability to designed/required life limits. Modifications for the F/A-18 A/B/C/D aircraft include: flight controls, forward fuselage, aft fuselage, wing, critical structures, electrical, hydraulic, Environmental Control Systems (ECS), launch and recovery, fuel, mechanical, secondary power, Blue Angel modifications, and other sustainment activities.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Each change has been or will be tested prior to installation into the F/A-18.

NOTE: Kit procurements were budgeted and executed properly, in alignment with planned organic depot inductions. Aircraft inductions have exceeded depot capacity due to many aircraft reaching service life limits at the same time, increased turnaround time due to material degradation and corrosion repairs over and above planned modification efforts, and delays caused by sequestration which increased the number of Out of Reporting (OOR) aircraft. Due to these depot constraints, prior year kit procurements became misaligned with aircraft installations. Depot level kit installations have been impacted by depot throughput constraints and backlog. The install schedules reflected in this budget take into account the current constrained depot throughput and backlog. Any disruptions to the current budget will disrupt on-going modifications required to address OOR aircraft.

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 1 / Correction of Discrepancies (OSIP 11-84)
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	
Models of Systems Affected: F/A-18 A/B/C/D	**Modification Type:** SAFETY /RELIABILITY/ IMPROVEMENT	**Related RDT&E PEs:**

Financial Plan (*) Indicates the modification is being installed organically and no installation funds are required.	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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)*
Procurement												
1.1.1) ECP 590 OBOGS SSOM, Safety ECP - Organic(*)	59 / 0.539	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.2) ECP 608 Crease Longeron - NonOrganic (12) *Installation 1 of 13*	76 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.3) ECP 609 Inner Wing Conversion/ Modification - Fuel Improvements - NonOrganic *Installation 2 of 13*	47 / 0.784	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.4) ECP 609 Inner Wing Conversion/ Modification - NonOrganic *Installation 2 of 13*	27 / 4.128	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.6) ECP 973 Fuel Cell Floor Crack - NonOrganic *Installation 2 of 13*	200 / 2.871	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.7) ECP 1034 NI Trailing Edge Flap (AYC-1460) - NonOrganic *Installation 2 of 13*	618 / 2.562	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.8) ECP 1034 NI Aileron Attach Lug Bushing (AYC-1481) - NonOrganic *Installation 2 of 13*	618 / 1.092	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.11) ECP 1100 F/A-18 A-D Keel Beam Web Retrofit - NonOrganic *Installation 2 of 13*	189 / 0.159	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.12) ECP 1101 Inner Wing AFT Closure Rib - NonOrganic *Installation 2 of 13*	198 / 12.422	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.13) ECP 1102 Y508 Former Shear Tie Fastener Holes Retrofit - NonOrganic *Installation 2 of 13*	608 / 1.278	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.18) ECP 1125 F/A-18 A-D Y470 Inner Wing Panel Lug - NonOrganic *Installation 2 of 13*	184 / 0.356	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.21) ECP-1142NI Y326.5 Lead Edge Ext (LEX) Spt Fitting & Substructure - NonOrganic *Installation 2 of 13*	523 / 1.085	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.22) ECP-1142C1NI Y394.2 LEX Connecting Link Retrofit - NonOrganic *Installation 2 of 13*	607 / 0.083	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.23) ECP 1148NI Speed Brake Arresting Hook Actuator Fitting Retrofit - NonOrganic *Installation 2 of 13*	370 / 3.698	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.30) ECP 6217 Cockpit Pressurization Warning System - NonOrganic	630 / 8.583	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 1 / Correction of Discrepancies (OSIP 11-84)
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	
Models of Systems Affected: F/A-18 A/B/C/D	**Modification Type:** SAFETY /RELIABILITY/ IMPROVEMENT	**Related RDT&E PEs:**

Financial Plan (*) Indicates the modification is being installed organically and no installation funds are required.	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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)*
Installation 2 of 13												
1.1.31) ECP 6321R1 F/A-18 A-D Main Landing Gear Door Hinge Pins - NonOrganic *Installation 2 of 13*	640 / 1.265	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.33) ECP JAX F-18-001 NFDS mods, C&D Conversion (Blue Angels) - NonOrganic *Installation 2 of 13*	20 / 6.357	8 / 2.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.5) ECP 796/Wing Fuel Dams - NonOrganic (13) *Installation 3 of 13*	515 / 0.787	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.9) ECP 1095 NI F/A-18 A-D MLG Side Brace Downlock Actuator Connecting Link - Organic(*)	- / 0.084	- / -	- / -	169 / 1.352	- / -	169 / 1.352	- / -	- / -	- / -	- / -	- / -	- / -
1.1.10) ECP 1098NI F/A-18 A-D Y615 Former and Bootstrap Retrofit - NonOrganic *Installation 4 of 13*	180 / 9.544	70 / 3.434	70 / 3.202	20 / 0.986	- / -	20 / 0.986	- / -	- / -	- / -	- / -	- / -	- / -
1.1.14) ECP 1118NI F/A-18 A-D Y580.5/Y590.5 Former Replacement Modline - NonOrganic *Installation 5 of 13*	200 / 14.280	- / -	60 / 2.633	20 / 0.893	- / -	20 / 0.893	- / -	- / -	- / -	- / -	- / -	- / -
1.1.15) ECP 1120NI F/A-18 A-D Upper O/B Longeron Y453/Y508 Fw Section Splice - NonOrganic *Installation 6 of 13*	120 / 3.909	50 / 0.526	62 / 0.660	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.16) ECP 1121 F/A-18 A-D MLG Critical Components Retrofit - Organic(*)	8 / 56.176	- / -	53 / 7.262	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.17) ECP 1122 F/A-18 A-D NLG Critical Components Retrofit - Organic(*)	8 / 21.555	- / -	53 / 3.379	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.19) ECP 1137NI Fire Extinguisher Temp Compensating Pressure Switch - NonOrganic *Installation 7 of 13*	429 / 0.690	186 / 0.162	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.20) ECP 1140NI Aileron Servocylndr Main Ram Linear Var Displacement - Organic(*)	- / -	- / -	120 / 0.620	20 / 0.105	- / -	20 / 0.105	- / -	- / -	- / -	- / -	- / -	- / -
1.1.24) ECP-1155 NI Fuel Tank Four Cavity Foam Material Change - NonOrganic *Installation 8 of 13*	218 / 0.180	144 / 0.236	72 / 0.079	72 / 0.080	- / -	72 / 0.080	- / -	- / -	- / -	- / -	- / -	- / -
1.1.25) ECP 1155C1 NI Motive Flow Bulkhead Replacement - NonOrganic *Installation 9 of 13*	- / -	- / -	- / -	20 / 0.290	- / -	20 / 0.290	- / -	- / -	- / -	- / -	- / -	- / -
1.1.26) ECP 1159 - Y557.5 Bulkhead Tub Retrofit - NonOrganic *Installation 10 of 13*	248 / 2.525	- / -	100 / 0.338	40 / 0.138	- / -	40 / 0.138	- / -	- / -	- / -	- / -	- / -	- / -

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 1 / Correction of Discrepancies (OSIP 11-84)
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	
Models of Systems Affected: F/A-18 A/B/C/D	**Modification Type:** SAFETY /RELIABILITY/ IMPROVEMENT	**Related RDT&E PEs:**

Financial Plan (*) Indicates the modification is being installed organically and no installation funds are required.	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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)*
1.1.27) ECP 1169 NI Arresting Hook Point Bolt Material Change Retrofit - Organic(*)	- / -	- / -	8 / 0.158	20 / 0.403	- / -	20 / 0.403	- / -	- / -	- / -	- / -	- / -	- / -
1.1.28) ECP 1176 NI OWP Missile Support Rib Retrofit - NonOrganic *Installation 11 of 13*	- / -	- / -	- / -	15 / 1.127	- / -	15 / 1.127	- / -	- / -	- / -	- / -	- / -	- / -
1.1.29) ECP 1186 NI NLG Uplock Dash Number & Serialization - Organic(*)	- / -	- / -	100 / 0.676	20 / 0.138	- / -	20 / 0.138	- / -	- / -	- / -	- / -	- / -	- / -
1.1.32) ECP 6431 IFR Probe Timer Bellcrank Fitting - Organic(*)	- / -	624 / 0.600	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.34) ECP XXX26 Structural Stress Corrosion Crack Issues - NonOrganic *Installation 12 of 13*	- / -	- / -	- / -	20 / 1.117	- / -	20 / 1.117	- / -	- / -	- / -	- / -	- / -	- / -
1.1.35) ECP XXX27 F/A-18 A-D Subsystems Retrofit Upgrades Issues - NonOrganic *Installation 13 of 13*	- / -	- / -	- / -	20 / 0.894	- / -	20 / 0.894	- / -	- / -	- / -	- / -	- / -	- / -
1.1.36) ECP XXX28 F/A-18 A-D ECS Subsystems Upgrade Issues - NonOrganic *Installation 13 of 13*	- / -	- / -	- / -	20 / 0.548	- / -	20 / 0.548	- / -	- / -	- / -	- / -	- / -	- / -
1.1.38) ECP-XXX30 F/A-18 A-D Flight Control Surfaces Issues - NonOrganic *Installation 13 of 13*	- / -	- / -	- / -	20 / 0.223	- / -	20 / 0.223	- / -	- / -	- / -	- / -	- / -	- / -
1.1.37) ECP XXX29 F/A-18 A-D Fuel Related Upgrade Issues - Organic(*)	- / -	- / -	- / -	20 / 0.219	- / -	20 / 0.219	- / -	- / -	- / -	- / -	- / -	- / -
1.1.39) ECP-XXX33 - F/A-18 A-D NACES Retrofit Upgrades - Organic(*) (14)	- / -	- / -	- / -	20 / 0.272	- / -	20 / 0.272	- / -	- / -	- / -	- / -	- / -	- / -
1.1.40) Archived ECPs - Organic(*)	37,278 / 228.964	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.2.1) Installation Kits N/R - Organic(*) (15)	- / 64.050	- / 12.786	- / 2.081	- / 13.084	- / -	- / 13.084	- / -	- / -	- / -	- / -	- / -	- / -
2.1.1) Installation Equipment - Organic(*)	- / 2.267	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
2.2.1) Installation Equipment N/R - Organic(*)	- / 0.120	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Procurement	*- / 452.393*	*- / 19.744*	*- / 21.088*	*- / 21.869*	*- / -*	*- / 21.869*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*
Support												
3.2) Data	- / 16.159	- / 0.252	- / 0.232	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.4) Support Equipment	- / 21.552	- / 2.624	- / 2.592	- / 2.650	- / -	- / 2.650	- / -	- / -	- / -	- / -	- / -	- / -
3.5) ILS	- / 367.427	- / 6.854	- / 6.333	- / 6.447	- / -	- / 6.447	- / -	- / -	- / -	- / -	- / -	- / -
3.6) Other Support	- / 76.841	- / 16.716	- / 18.791	- / 19.129	- / -	- / 19.129	- / -	- / -	- / -	- / -	- / -	- / -

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 1 / Correction of Discrepancies (OSIP 11-84)
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	
Models of Systems Affected: F/A-18 A/B/C/D	**Modification Type:** SAFETY /RELIABILITY/ IMPROVEMENT	**Related RDT&E PEs:**

Financial Plan (*) Indicates the modification is being installed organically and no installation funds are required.	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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)*
3.8) Prior Year Installation Costs	29,310 / 244.901	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support	- / *726.880*	- / *26.446*	- / *27.948*	- / *28.226*	- / -	- / *28.226*	- / -	- / -	- / -	- / -	- / -	- / -
Installation												
Installation 1 of 13: ECP 608 Crease Longeron	- / 1.567	- / -	- / 0.073	- / 0.074	- / 0.000	- / 0.074	- / -	- / -	- / -	- / -	- / -	- / 1.714
Installation 2 of 13: GRP: Prior Year Procurements	- / 30.183	- / 9.235	- / 16.059	- / 13.205	- / 0.000	- / 13.205	- / -	- / -	- / -	- / -	- / -	- / 68.682
Installation 3 of 13: ECP 796/Wing Fuel Dams	- / 0.081	- / 0.011	- / 0.011	- / 0.011	- / 0.000	- / 0.011	- / -	- / -	- / -	- / -	- / -	- / 0.114
Installation 4 of 13: ECP 1098NI F/A-18 A-D Y615 Former and Bootstrap Retrofit	- / 4.184	- / 1.577	- / 3.193	- / 3.240	- / 0.000	- / 3.240	- / -	- / -	- / -	- / -	- / -	- / 12.194
Installation 5 of 13: ECP 1118NI F/A-18 A-D Y580.5/ Y590.5 Former Replacement Modline	- / -	- / -	- / 4.084	- / 4.200	- / 0.000	- / 4.200	- / -	- / -	- / -	- / -	- / -	- / 8.284
Installation 6 of 13: ECP 1120NI F/A-18 A-D Upper O/B Longeron Y453/Y508 Fw Section Splice	- / -	- / -	- / 2.081	- / 2.119	- / 0.000	- / 2.119	- / -	- / -	- / -	- / -	- / -	- / 4.200
Installation 7 of 13: ECP 1137NI Fire Extinguisher Temp Compensating Pressure Switch	- / -	- / -	- / 0.093	- / 0.095	- / 0.000	- / 0.095	- / -	- / -	- / -	- / -	- / -	- / 0.188
Installation 8 of 13: ECP-1155 NI Fuel Tank Four Cavity Foam Material Change	- / 0.160	- / 0.012	- / 0.098	- / 0.066	- / 0.000	- / 0.066	- / -	- / -	- / -	- / -	- / -	- / 0.336
Installation 9 of 13: ECP 1155C1 NI Motive Flow Bulkhead Replacement	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Installation 10 of 13: ECP 1159 - Y557.5 Bulkhead Tub Retrofit	- / -	- / 4.581	- / 4.105	- / 5.166	- / 0.000	- / 5.166	- / -	- / -	- / -	- / -	- / -	- / 13.852
Installation 11 of 13: ECP 1176 NI OWP Missile Support Rib Retrofit	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Installation 12 of 13: ECP XXX26 Structural Stress Corrosion Crack Issues	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Installation 13 of 13: GRP: ECPs XXX27, XXX28, XXX30	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Installation	- / *36.175*	- / *15.416*	- / *29.797*	- / *28.176*	- / -	- / *28.176*	- / -	- / -	- / -	- / -	- / -	- / -
Total												
Total Cost (Procurement + Support + Installation)	**1,215.448**	**61.606**	**78.833**	**78.271**	**0.000**	**78.271**	**-**	**-**	**-**	**-**	**-**	**-**

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 1 / Correction of Discrepancies (OSIP 11-84)

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

Installation 1 of 13: ECP 608 Crease Longeron

Manufacturer Information

Manufacturer Name: Boeing - ECP 608 Crease Longeron	Manufacturer Location: St Louis, MO
Administrative Leadtime *(in Months)*: 0	Production Leadtime *(in Months)*: 0

Dates	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: Navy Drive-In Modification:: Installation Name: ECP 608 Crease Longeron

Installation Cost	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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	19 / 1.567	- / -	1 / 0.073	1 / 0.074	0 / 0.000	1 / 0.074	- / -	- / -	- / -	- / -	- / -	21 / 1.714
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	19 / 1.567	- / -	1 / 0.073	1 / 0.074	0 / 0.000	1 / 0.074	- / -	- / -	- / -	- / -	- / -	21 / 1.714

Installation Schedule

		FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022					
	PYS	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	TC	Tot
In	19	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	19	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 1 / Correction of Discrepancies (OSIP 11-84)

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

Installation 2 of 13: GRP: Prior Year Procurements

Manufacturer Information

Manufacturer Name: Various | Manufacturer Location: Various

Administrative Leadtime *(in Months)*: 3 | Production Leadtime *(in Months)*: 6

Dates	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Contract Dates	Jan 2016						
Delivery Dates	Jul 2016						

Installation Information

Method of Implementation: [none specified]:: Installation Name: Prior Year Procurements

Installation Cost	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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	1,274 / 30.183	445 / 7.235	1,018 / 14.059	976 / 13.205	0 / 0.000	976 / 13.205	- / -	- / -	- / -	- / -	- / -	3,713 / 64.682
FY 2016	- / -	4 / 2.000	4 / 2.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 4.000
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	1,274 / 30.183	449 / 9.235	1,022 / 16.059	976 / 13.205	0 / 0.000	976 / 13.205	- / -	- / -	- / -	- / -	- / -	3,721 / 68.682

Installation Schedule

	PYS	FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				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	1,274	146	119	97	87	248	257	262	255	248	247	247	234	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	1,274	146	119	97	87	248	257	262	255	248	247	247	234	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 1 / Correction of Discrepancies (OSIP 11-84)

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

Installation 3 of 13: ECP 796/Wing Fuel Dams

Manufacturer Information

Manufacturer Name: Boeing - ECP 796/Wing Fuel Dams | Manufacturer Location: St Louis, MO

Administrative Leadtime *(in Months)*: 0 | Production Leadtime *(in Months)*: 0

Dates	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: Navy Drive-In Modification:: Installation Name: ECP 796/Wing Fuel Dams

Installation Cost	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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	491 / 0.081	1 / 0.011	1 / 0.011	1 / 0.011	0 / 0.000	1 / 0.011	- / -	- / -	- / -	- / -	- / -	494 / 0.114
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	491 / 0.081	1 / 0.011	1 / 0.011	1 / 0.011	0 / 0.000	1 / 0.011	- / -	- / -	- / -	- / -	- / -	494 / 0.114

Installation Schedule

	PYS	FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				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	491	1	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	491	1	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 1 / Correction of Discrepancies (OSIP 11-84)

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

Installation 4 of 13: ECP 1098NI F/A-18 A-D Y615 Former and Bootstrap Retrofit

Manufacturer Information

Manufacturer Name: CKA/NGC- ECP 1098NI F/A-18 A-D Y615 Former and Bootstrap Retrofit

Manufacturer Location: Orange Park, FL; El Segundo, CA

Administrative Leadtime *(in Months)*: 0

Production Leadtime *(in Months)*: 20

Dates	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Contract Dates	Jul 2016	Jul 2017	Jul 2018				
Delivery Dates	Mar 2018	Mar 2019	Mar 2020				

Installation Information

Method of Implementation: Navy Drive-In Modification:: Installation Name: ECP 1098NI F/A-18 A-D Y615 Former and Bootstrap Retr

Installation Cost	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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	90 / 4.184	28 / 1.577	60 / 3.193	2 / 0.108	0 / 0.000	2 / 0.108	- / -	- / -	- / -	- / -	- / -	180 / 9.062
FY 2016	- / -	- / -	- / -	58 / 3.132	0 / 0.000	58 / 3.132	- / -	- / -	- / -	- / -	- / -	58 / 3.132
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	90 / 4.184	28 / 1.577	60 / 3.193	60 / 3.240	0 / 0.000	60 / 3.240	- / -	- / -	- / -	- / -	- / -	238 / 12.194

Installation Schedule

	PYS	FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				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	90	18	10	-	-	20	20	20	-	2	19	19	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	90	18	10	-	-	20	20	20	-	2	19	19	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 1 / Correction of Discrepancies (OSIP 11-84)

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

Installation 5 of 13: ECP 1118NI F/A-18 A-D Y580.5/Y590.5 Former Replacement Modline

Manufacturer Information

Manufacturer Name: CKA/NGC - ECP 1118NI F/A-18 A-D Y580.5/Y590.5 Former Replace Modline

Manufacturer Location: Orange Park, FL; El Segundo, CA

Administrative Leadtime *(in Months)*: 6

Production Leadtime *(in Months)*: 42

Dates	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Contract Dates		Apr 2017	Apr 2018				
Delivery Dates		Oct 2020	Oct 2021				

Installation Information

Method of Implementation: Navy Drive-In Modification:: Installation Name: ECP 1118NI F/A-18 A-D Y580.5/Y590.5 Former Replaceme

Installation Cost	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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	- / -	- / -	36 / 4.084	56 / 4.200	0 / 0.000	56 / 4.200	- / -	- / -	- / -	- / -	- / -	92 / 8.284
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	36 / 4.084	56 / 4.200	0 / 0.000	56 / 4.200	- / -	- / -	- / -	- / -	- / -	92 / 8.284

Installation Schedule

	PYS	FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				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	-	-	-	-	-	6	6	12	12	14	14	14	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	-	-	-	-	-	6	6	12	12	14	14	14	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 1 / Correction of Discrepancies (OSIP 11-84)

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

Installation 6 of 13: ECP 1120NI F/A-18 A-D Upper O/B Longeron Y453/Y508 Fw Section Splice

Manufacturer Information

Manufacturer Name: CKA/NGC- ECP 1120NI Upper O/B Longeron Y453/Y508 Forward Section Splice

Manufacturer Location: Orange Park, FL; El Segundo, CA

Administrative Leadtime *(in Months)*: 10

Production Leadtime *(in Months)*: 36

Dates	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Contract Dates	Jul 2016	Jul 2017					
Delivery Dates	Jul 2019	Jul 2020					

Installation Information

Method of Implementation: Navy Drive-In Modification:: Installation Name: ECP 1120NI F/A-18 A-D Upper O/B Longeron Y453/Y508 F

Installation Cost	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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	- / -	- / -	50 / 2.081	50 / 2.119	0 / 0.000	50 / 2.119	- / -	- / -	- / -	- / -	- / -	100 / 4.200
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	50 / 2.081	50 / 2.119	0 / 0.000	50 / 2.119	- / -	- / -	- / -	- / -	- / -	100 / 4.200

Installation Schedule

	PYS	FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				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	-	-	-	-	-	-	-	25	25	-	25	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	-	-	-	-	-	-	-	25	25	-	25	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 1 / Correction of Discrepancies (OSIP 11-84)

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

Installation 7 of 13: ECP 1137NI Fire Extinguisher Temp Compensating Pressure Switch

Manufacturer Information

Manufacturer Name: Meggitt - ECP 1137/Redesign of Fire Extinguisher Temp. Compensating Pressure Switch

Manufacturer Location: Simi Valley, CA

Administrative Leadtime *(in Months)*: 12

Production Leadtime *(in Months)*: 24

Dates	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Contract Dates	Oct 2016						
Delivery Dates	Oct 2018						

Installation Information

Method of Implementation: Navy Drive-In Modification:: Installation Name: ECP 1137NI Fire Extinguisher Temp Compensating Press

Installation Cost	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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	- / -	- / -	160 / 0.093	180 / 0.095	0 / 0.000	180 / 0.095	- / -	- / -	- / -	- / -	- / -	340 / 0.188
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	160 / 0.093	180 / 0.095	0 / 0.000	180 / 0.095	- / -	- / -	- / -	- / -	- / -	340 / 0.188

Installation Schedule

	PYS	FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				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	-	-	-	-	-	40	40	40	40	45	45	45	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	-	-	-	-	-	40	40	40	40	45	45	45	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 1 / Correction of Discrepancies (OSIP 11-84)

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

Installation 8 of 13: ECP-1155 NI Fuel Tank Four Cavity Foam Material Change

Manufacturer Information

Manufacturer Name: CKA - ECP-1155 NI Fuel Tank Four Cavity Foam Material Change | Manufacturer Location: Orange Park, FL

Administrative Leadtime *(in Months)*: 3 | Production Leadtime *(in Months)*: 10

Dates	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Contract Dates	Dec 2015	Dec 2016	Dec 2017				
Delivery Dates	Oct 2016	Oct 2017	Oct 2018				

Installation Information

Method of Implementation: Navy Drive-In Modification:: Installation Name: ECP-1155 NI Fuel Tank Four Cavity Foam Material Chan

Installation Cost	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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	38 / 0.160	28 / 0.012	72 / 0.032	72 / 0.033	0 / 0.000	72 / 0.033	- / -	- / -	- / -	- / -	- / -	210 / 0.237
FY 2016	- / -	- / -	144 / 0.066	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	144 / 0.066
FY 2017	- / -	- / -	- / -	72 / 0.033	0 / 0.000	72 / 0.033	- / -	- / -	- / -	- / -	- / -	72 / 0.033
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	38 / 0.160	28 / 0.012	216 / 0.098	144 / 0.066	0 / 0.000	144 / 0.066	- / -	- / -	- / -	- / -	- / -	426 / 0.336

Installation Schedule

		FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022					
	PYS	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	TC	Tot
In	38	7	7	7	7	54	54	54	54	36	36	36	36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	38	7	7	7	7	54	54	54	54	36	36	36	36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 1 / Correction of Discrepancies (OSIP 11-84)

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

Installation 9 of 13: ECP 1155C1 NI Motive Flow Bulkhead Replacement

Manufacturer Information

Manufacturer Name: CKA - ECP-1155 Motive Flow Bulkhead Replacement | Manufacturer Location: Orange Park, FL

Administrative Leadtime *(in Months)*: 3 | Production Leadtime *(in Months)*: 10

Dates	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Contract Dates			Dec 2017				
Delivery Dates			Oct 2018				

Installation Information

Method of Implementation: Navy Drive-In Modification:: Installation Name: ECP 1155C1 NI Motive Flow Bulkhead Replacement

Installation Schedule

	PYS	FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 1 / Correction of Discrepancies (OSIP 11-84)

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

Installation 10 of 13: ECP 1159 - Y557.5 Bulkhead Tub Retrofit

Manufacturer Information

Manufacturer Name: CKA- ECP 1159/Y557.5 BULKHEAD TUB RETROFIT | Manufacturer Location: Orange Park, FL

Administrative Leadtime *(in Months)*: 6 | Production Leadtime *(in Months)*: 6

Dates	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Contract Dates		Mar 2017	Mar 2018				
Delivery Dates		Oct 2017	Oct 2018				

Installation Information

Method of Implementation: Navy Drive-In Modification:: Installation Name: ECP 1159 - Y557.5 Bulkhead Tub Retrofit

Installation Cost	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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	- / -	35 / 4.581	213 / 4.105	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	248 / 8.686
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	100 / 5.166	0 / 0.000	100 / 5.166	- / -	- / -	- / -	- / -	- / -	100 / 5.166
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	35 / 4.581	213 / 4.105	100 / 5.166	0 / 0.000	100 / 5.166	- / -	- / -	- / -	- / -	- / -	348 / 13.852

Installation Schedule

	PYS	FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				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	-	9	9	9	8	54	53	53	53	25	25	25	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	-	9	9	9	8	54	53	53	53	25	25	25	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 1 / Correction of Discrepancies (OSIP 11-84)

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

Installation 11 of 13: ECP 1176 NI OWP Missile Support Rib Retrofit

Manufacturer Information

Manufacturer Name: CKA-ECP 1176 NI OWP Missile Support Rib Retrofit | Manufacturer Location: Orange Park, FL

Administrative Leadtime *(in Months)*: 6 | Production Leadtime *(in Months)*: 18

Dates	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Contract Dates			Mar 2018				
Delivery Dates			Oct 2019				

Installation Information

Method of Implementation: Navy Drive-In Modification:: Installation Name: ECP 1176 NI OWP Missile Support Rib Retrofit

Installation Schedule

	PYS	FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 1 / Correction of Discrepancies (OSIP 11-84)

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

Installation 12 of 13: ECP XXX26 Structural Stress Corrosion Crack Issues

Manufacturer Information

Manufacturer Name: Boeing - ECP XXX26 Structural Stress Corrosion Crack Issues | Manufacturer Location: St. Louis, MO

Administrative Leadtime *(in Months)*: 3 | Production Leadtime *(in Months)*: 9

Dates	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Contract Dates			Jan 2018				
Delivery Dates			Oct 2018				

Installation Information

Method of Implementation: Navy Drive-In Modification:: Installation Name: ECP XXX26 Structural Stress Corrosion Crack Issues

Installation Schedule

	PYS	FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 1 / Correction of Discrepancies (OSIP 11-84)

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

Installation 13 of 13: GRP: ECPs XXX27, XXX28, XXX30

Manufacturer Information

Manufacturer Name: Boeing - ECP XXX27/28/30/F/A-18 A-D Structural Stress Corrosion Cracking Issues | Manufacturer Location: St. Louis, MO

Administrative Leadtime *(in Months)*: 3 | Production Leadtime *(in Months)*: 9

Dates	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Contract Dates			Jan 2018				
Delivery Dates			Oct 2018				

Installation Information

Method of Implementation: [none specified]:: Installation Name: ECPs XXX27, XXX28, XXX30

Installation Schedule

		FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022					
	PYS	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	TC	Tot
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Footnotes:

(12) In warranty kits. No kit cost. Installs are based on TYCOM direction and A/C lot and availability for induction.

(13) Installs are based on TYCOM direction and A/C availability for induction.

(14) Variants include single and dual seats, therefore some aircraft require 2 kits.

(15) Installation Kits N/R funding increases in FY18 and FY19 due to non-recurring engineering efforts for an increased number of ECPs in those years.

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 2 / Digital Communications System (DCS) (OSIP 10-99)
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	

Resource Summary	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	96.007	13.154	17.624	22.303	0.000	22.303
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Net Procurement (P-1) *($ in Millions)*	96.007	13.154	17.624	22.303	0.000	22.303
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**96.007**	**13.154**	**17.624**	**22.303**	**0.000**	**22.303**
(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 Dollars)*	-	-	-	-	-	-

Description:

The Digital Communications System (DCS) consists of an upgraded AN/ARC-210 Receiver Transmitter (RT) (with embedded digital message transfer capability and embedded communications security) installed in the F/A-18 and integrated with the F/A-18 weapons system (mission computer, controls and displays, and communication subsystem). The DCS utilizes preformatted messages to communicate with standard United States Marine Corps, United States Navy, and United States Air Force digital communications devices to facilitate close air support, deep air strike, and tactical air control missions. Joint Staff has specified new requirements for close air support platforms to improve interoperability between air and ground units in Digitally-Aided Close Air Support (DACAS) missions. These requirements are being satisfied with the upgrade of the DCS radio to the latest ARC-210 version, the RT-1990 radio. DCS reduces voice communications requirements which tend to be slow, inaccurate, and susceptible to Meaconing, Interference, Jamming, and Intrusion. DCS will enhance mission effectiveness by decreasing pilot workload which allows the pilot more time to counter increased threat capabilities (operational requirements document# 486-88-98). The RT-1990 radio also supports the North Atlantic Treaty Organization (NATO) standard anti-jam waveform, second generation anti-jam tactical UHF radio for NATO, and will greatly improve communication in a jamming environment as compared to current anti-jam waveforms. The next version of ARC-210, RT-1990A, and the next version of the Comm1 external encryptor, KY-58M, will support National Security Agency cryptographic modernization mandates and the instruction CJCSI 6510.02E Cryptographic Modernization Planning. This operational safety improvement program will also be used to address parts obsolescence issues and to perform non-recurring work associated with network centric operations and interoperability requirements.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:
The AN/ARC-210 RT is being upgraded to a DCS RT-1990/RT-1990A. The initial engineering developmental model was delivered (using Research Development Test & Evaluation, Navy resources) in FY2013 as scheduled. The F/A-18E/F and EA-18G Joint Staff requirements will be satisfied by retrofitting the RT-1990 under the H10 SCS. The cryptographic modernization mandates will be satisfied by retrofitting the RT-1990A under the H14 SCS. The legacy F/A-18 Joint Staff requirements will be satisfied by retrofitting the RT-1990A under the 27C SCS. The Comm1 external encryptor, KY-58, will be upgraded to KY-58M VACM for all F/A-18 aircraft.

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 2 / Digital Communications System (DCS) (OSIP 10-99)
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	
Models of Systems Affected: F/A-18 and EA-18G	**Modification Type:** CAPABILITY IMPROVEMENT	**Related RDT&E PEs:**

Financial Plan	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 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)*
Procurement						
Modification Item 1 of 1: Digital Communications System (DCS) (OSIP 10-99)						
A Kits						
Recurring						
1.1.1) A-Kits Archive - Organic	483 / 1.795	- / -	- / -	- / -	- / -	- / -
Subtotal: Recurring	*- / 1.795*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*
Non-Recurring						
1.2.1) Installation Kits N/R - Organic	- / 0.603	- / -	- / -	- / -	- / -	- / -
Subtotal: Non-Recurring	*- / 0.603*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*
B Kits						
Recurring						
2.1.1) Gen 5 Radio (RT-1990/A) - Organic [16]	260 / 22.604	34 / 2.638	41 / 3.262	128 / 10.410	- / -	128 / 10.410
2.1.2) 27C SCS - Organic	- / 9.780	- / 3.656	- / 0.469	- / -	- / -	- / -
2.1.3) 29C SCS - Organic	- / 0.320	- / 1.286	- / 0.399	- / -	- / -	- / -
2.1.4) H12 SCS - Organic	- / -	- / -	- / 2.523	- / -	- / -	- / -
2.1.5) H14 SCS - Organic	- / 1.800	- / 0.639	- / 2.534	- / 2.516	- / -	- / 2.516
2.1.6) H16 SCS - Organic	- / -	- / -	- / -	- / 2.715	- / -	- / 2.715
2.1.7) B-Kits Archive - Organic	182 / 30.969	- / -	- / -	- / -	- / -	- / -
2.1.8) Prior Year Installation Costs - Organic	528 / 6.779	- / -	- / -	- / -	- / -	- / -
Subtotal: Recurring	*- / 72.252*	*- / 8.219*	*- / 9.187*	*- / 15.641*	*- / -*	*- / 15.641*
Non-Recurring						
2.2.1) Install Equipment N/R - Organic	- / 11.115	- / 0.578	- / 4.197	- / 1.097	- / -	- / 1.097
Subtotal: Non-Recurring	*- / 11.115*	*- / 0.578*	*- / 4.197*	*- / 1.097*	*- / -*	*- / 1.097*
Subtotal: Digital Communications System (DCS) (OSIP 10-99)	*1,453 / 85.765*	*34 / 8.797*	*41 / 13.384*	*128 / 16.738*	*- / -*	*128 / 16.738*
Subtotal: Procurement, All Modification Items	*- / 85.765*	*- / 8.797*	*- / 13.384*	*- / 16.738*	*- / -*	*- / 16.738*
Support *(All Modification Items)*						
3.1) Engineering Change Orders	- / 0.483	- / -	- / -	- / -	- / -	- / -
3.2) Data	- / 0.178	- / 0.192	- / -	- / -	- / -	- / -
3.3) Training Equipment	- / 1.165	- / -	- / -	- / -	- / -	- / -
3.4) Support Equipment	- / 1.013	- / -	- / -	- / -	- / -	- / -

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 2 / Digital Communications System (DCS) (OSIP 10-99)
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	
Models of Systems Affected: F/A-18 and EA-18G	**Modification Type:** CAPABILITY IMPROVEMENT	**Related RDT&E PEs:**

Financial Plan	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 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)*
3.5) ILS	- / 4.419	- / 0.061	- / 0.062	- / 0.063	- / -	- / 0.063
3.6) Other Support	- / 2.984	- / 4.104	- / 4.178	- / 5.502	- / -	- / 5.502
Subtotal: Support	*- / 10.242*	*- / 4.357*	*- / 4.240*	*- / 5.565*	*- / -*	*- / 5.565*
Installation						
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -
Total						
Total Cost (Procurement + Support + Installation)	**96.007**	**13.154**	**17.624**	**22.303**	**0.000**	**22.303**

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 2 / Digital Communications System (DCS) (OSIP 10-99)
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	
Modification Item 1 of 1: Digital Communications System (DCS) (OSIP 10-99)		

Footnotes:

(16) The "Gen 5 Radio (RT-1990/A)" kits will replace the previously appropriated DCS (RT-1824) kits.

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 3 / F/A-18 Aircraft Structural Life Management Plan (SLMP) (OSIP 11-99) CBR+
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	

Resource Summary	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	1,094.935	85.872	122.096	127.208	0.000	127.208	-	-	-	-	-	-
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) *($ in Millions)*	1,094.935	85.872	122.096	127.208	0.000	127.208	-	-	-	-	-	-
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**1,094.935**	**85.872**	**122.096**	**127.208**	**0.000**	**127.208**	**-**	**-**	**-**	**-**	**-**	**-**
(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 Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Incorporation of structural enhancements and changes is required to attain F/A-18 service life and maintain sufficient aircraft inventory to meet fleet operational requirements through FY 2030. Structural enhancements and changes include resolution of discrepancies identified as a result of structural test-16 and in-service experience. These Service Life Extension Program (SLEP) enhancements and changes to extend the life from 6,000 hours to 10,000 hours include: modifications to allow the entire airframe to extend flight hours; modifications to ensure structures currently limited to 78% of design life can achieve 100% life; modifications to ensure landing gear, catapult and attachment components can extend total landings. The unacceptable alternative to retrofitting would be the failure to reach full fatigue life for these aircraft and to not correct the structural defects discovered on fatigue test articles. In many cases, the mission capability of the aircraft would be adversely affected in addition to its reduced service life. As a result, aircraft may be prematurely removed from useful service. Center Barrel Replacement Plus (CBR+) is applicable to F/A-18A/B/C/Ds. Engineering Change Proposal (ECP) 904 Part 1 is the basic center barrel kit. ECP 904 Part 2 is required to extend Wing Root Fatigue Life Expended (WRFLE) and is not required for all aircraft.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:
Currently all Lot VI through XVII aircraft have 78% life limits without the structural life management plan modifications to bring them to 100% airframe life. McDonnell Douglas Corporation and Northrop Grumman Corporation developed ECP536 retrofit repair to modify these aircraft so they could restore the airframe to full life. ECP 536 was approved and validation was completed May 2001. The Fleet Readiness Center North Island developed ECP 904NI (CBR+) which was approved on 27 April 2000, ECP 904NI supersedes ECP 536. Validation started October 2000 and was completed in August 2001. Verification started August 2001 and was completed June 2002.

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 3 / F/A-18 Aircraft Structural Life Management Plan (SLMP) (OSIP 11-99) CBR+

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

Models of Systems Affected: F/A-18 A/B/C/D **Modification Type:** SAFETY / LIFE EXTENSION **Related RDT&E PEs:**

Financial Plan (*) Indicates the modification is being installed organically and no installation funds are required.	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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)*
Procurement												
1.1.1) CBR ECP 904 Part 1 (Basic) WRFLE SLEP - Night Attack - NonOrganic (17) *Installation 1 of 9*	233 / 203.434	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.2) CBR ECP 904 Part 1 (Basic) WRFLE SLEP - Night Attack - NonOrganic (18) *Installation 1 of 9*	117 / 110.975	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.3) CBR+ ECP 904 Part 2 - Organic(*) (19)	157 / 72.129	2 / 0.083	8 / 0.464	8 / 0.506	- / -	8 / 0.506	- / -	- / -	- / -	- / -	- / -	- / -
1.1.4) ECP 1099 AFC-579 NLG Retract Actuator Supports - NonOrganic *Installation 2 of 9*	4 / 0.072	2 / 0.036	2 / 0.037	2 / 0.037	- / -	2 / 0.037	- / -	- / -	- / -	- / -	- / -	- / -
1.1.5) ECP-0627 AFC-648 FFLEX BULKHEAD ASSY-FWD FUS, ACFT, Y357.500 - NonOrganic *Installation 3 of 9*	- / -	8 / 0.640	10 / 0.814	10 / 0.829	- / -	10 / 0.829	- / -	- / -	- / -	- / -	- / -	- / -
1.1.6) ECP-0627 AFC-FFLEX02, ACFT - FWDFUS, Y233.7 - Y286.5, Z90.15 - NonOrganic *Installation 3 of 9*	- / -	- / -	2 / 0.027	20 / 0.273	- / -	20 / 0.273	- / -	- / -	- / -	- / -	- / -	- / -
1.1.7) ECP-0627 AFC-FFLEX03, ACFT-FWDFUS, Y233.7-Y279.0 - NonOrganic *Installation 3 of 9*	- / -	- / -	2 / 0.054	20 / 0.545	- / -	20 / 0.545	- / -	- / -	- / -	- / -	- / -	- / -
1.1.8) ECP-0629 AFC-651 FCF 700 Upper Skin - NonOrganic *Installation 4 of 9*	- / -	- / -	2 / 0.045	2 / 0.046	- / -	2 / 0.046	- / -	- / -	- / -	- / -	- / -	- / -
1.1.9) ECP-0630 AFC-652 AFC Upper Crease Longeron Straps - NonOrganic *Installation 5 of 9*	- / -	- / -	80 / 3.936	80 / 4.007	- / -	80 / 4.007	- / -	- / -	- / -	- / -	- / -	- / -
1.1.10) ECP-0630 AFC-ACF01 ADAPTER - MISSILE LAUNCHER, Y488 - Y497 - NonOrganic *Installation 5 of 9*	- / -	- / -	2 / 0.164	20 / 1.673	- / -	20 / 1.673	- / -	- / -	- / -	- / -	- / -	- / -
1.1.11) ECP-0630 AFC-ACF02 FORMER-UPPER SEGMENT Y518.000 - NonOrganic *Installation 5 of 9*	- / -	- / -	2 / 0.291	20 / 2.964	- / -	20 / 2.964	- / -	- / -	- / -	- / -	- / -	- / -
1.1.14) ECP-0631 AYC-1725 IW MULTIPLE LOCATIONS L&R - NonOrganic *Installation 6 of 9*	- / -	4 / 0.604	10 / 1.537	10 / 1.565	- / -	10 / 1.565	- / -	- / -	- / -	- / -	- / -	- / -
1.1.15) ECP-0631 AYC-IW02 SPAR-REAR, WING PANEL INNER - NonOrganic *Installation 6 of 9*	- / -	- / -	- / -	2 / 0.220	- / -	2 / 0.220	- / -	- / -	- / -	- / -	- / -	- / -
1.1.18) ECP-0632 AYC-1724 OW SPAR, OUTER-INTMD, NO 3 L&R - NonOrganic	- / -	4 / 0.488	10 / 1.242	10 / 1.264	- / -	10 / 1.264	- / -	- / -	- / -	- / -	- / -	- / -

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 3 / F/A-18 Aircraft Structural Life Management Plan (SLMP) (OSIP 11-99) CBR+
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	
Models of Systems Affected: F/A-18 A/B/C/D	**Modification Type:** SAFETY / LIFE EXTENSION	**Related RDT&E PEs:**

Financial Plan (*) Indicates the modification is being installed organically and no installation funds are required.	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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)*
Installation 7 of 9												
1.1.19) ECP-0632 AYC-OW02 MULTIPLE LOCATIONS; Intermediate 1, 2, Rear Spars - NonOrganic *Installation 7 of 9*	- / -	- / -	- / -	2 / 0.270	- / -	2 / 0.270	- / -	- / -	- / -	- / -	- / -	- / -
1.1.22) ECP-0633 AFC-650 AF Door 68 Doubler L&R - NonOrganic *Installation 8 of 9*	- / -	- / -	80 / 1.854	80 / 1.887	- / -	80 / 1.887	- / -	- / -	- / -	- / -	- / -	- / -
1.1.24) ECP-0633 AFC-668 AF AFT Lower Longeron; Above Door 68 L&R - NonOrganic *Installation 8 of 9*	- / -	- / -	80 / 7.981	80 / 8.125	- / -	80 / 8.125	- / -	- / -	- / -	- / -	- / -	- / -
1.1.25) ECP-0633 AFC-AF03 LONGERON-FUS, UPR OUTBD, Y558.821 TO Y657.350 - NonOrganic *Installation 8 of 9*	- / -	- / -	- / -	2 / 0.019	- / -	2 / 0.019	- / -	- / -	- / -	- / -	- / -	- / -
1.1.26) ECP-0633 AFC-AF04 FORMER TI-FUS AFT SECT, OUTBD, Y598.00 - NonOrganic *Installation 8 of 9*	- / -	- / -	- / -	2 / 0.047	- / -	2 / 0.047	- / -	- / -	- / -	- / -	- / -	- / -
1.1.23) ECP-0633 AFC-667 AF Engine Mount Links L&R - Organic(*)	400 / 0.498	796 / 1.263	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.31) Archived A-Kits - Organic(*)	22 / 2.850	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.2.1) Installation Kits N/R - Organic(*) (20)	- / 138.292	- / 39.322	- / 43.615	- / 27.840	- / -	- / 27.840	- / -	- / -	- / -	- / -	- / -	- / -
2.1.1) Fuel Cell Refurb & RIM (RIM start FY08) - Organic (21) *Installation 9 of 9*	254 / 29.685	6 / 1.200	12 / 2.400	17 / 3.400	- / -	17 / 3.400	- / -	- / -	- / -	- / -	- / -	- / -
2.1.2) Nacelle RIM (271 & 316C1) - Organic(*) (22)	36 / 2.974	6 / 0.390	12 / 0.780	17 / 1.105	- / -	17 / 1.105	- / -	- / -	- / -	- / -	- / -	- / -
2.1.3) Prior Year Installation costs - Organic(*)	1 / 0.839	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
2.2.1) Install Equipment N/R - Organic(*)	- / 12.527	- / 2.556	- / 2.600	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Procurement	*- / 574.275*	*- / 46.582*	*- / 67.841*	*- / 56.622*	*- / -*	*- / 56.622*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*
Support												
3.2) Data	- / 17.927	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.4) Support Equipment	- / 1.467	- / 2.032	- / 1.844	- / 1.941	- / -	- / 1.941	- / -	- / -	- / -	- / -	- / -	- / -
3.5) Inventory Modeling	- / 10.848	- / 0.305	- / 3.332	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.6) ILS	- / 75.377	- / 6.903	- / 6.234	- / 5.838	- / -	- / 5.838	- / -	- / -	- / -	- / -	- / -	- / -
3.7) Other Support (23)	- / 88.349	- / 14.526	- / 19.524	- / 16.469	- / -	- / 16.469	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support	*- / 193.968*	*- / 23.766*	*- / 30.934*	*- / 24.248*	*- / -*	*- / 24.248*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*
Installation												

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 3 / F/A-18 Aircraft Structural Life Management Plan (SLMP) (OSIP 11-99) CBR+
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	
Models of Systems Affected: F/A-18 A/B/C/D	**Modification Type:** SAFETY / LIFE EXTENSION	**Related RDT&E PEs:**

Financial Plan (*) Indicates the modification is being installed organically and no installation funds are required.	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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)*
Installation 1 of 9: GRP: CBR ECP 904	- / 326.624	- / 15.149	- / 21.846	- / 29.618	- / 0.000	- / 29.618	- / -	- / -	- / -	- / -	- / -	- / 393.237
Installation 2 of 9: ECP 1099 AFC-579 NLG Retract Actuator Supports	- / 0.068	- / 0.375	- / 0.255	- / 0.259	- / 0.000	- / 0.259	- / -	- / -	- / -	- / -	- / -	- / 0.957
Installation 3 of 9: GRP: ECP-0627 FWD Fuselage & LEX	- / -	- / -	- / 0.660	- / 0.248	- / 0.000	- / 0.248	- / -	- / -	- / -	- / -	- / -	- / 0.908
Installation 4 of 9: GRP: ECP-0629 FWD Center Fuselage	- / -	- / -	- / -	- / 0.048	- / 0.000	- / 0.048	- / -	- / -	- / -	- / -	- / -	- / 0.048
Installation 5 of 9: GRP: ECP-0630 AFT Center Fuselage	- / -	- / -	- / -	- / 4.493	- / 0.000	- / 4.493	- / -	- / -	- / -	- / -	- / -	- / 4.493
Installation 6 of 9: GRP: ECP-0631 Inner Wing	- / -	- / -	- / 0.280	- / 0.713	- / 0.000	- / 0.713	- / -	- / -	- / -	- / -	- / -	- / 0.993
Installation 7 of 9: GRP: ECP-0632 Outer Wing	- / -	- / -	- / 0.280	- / 0.713	- / 0.000	- / 0.713	- / -	- / -	- / -	- / -	- / -	- / 0.993
Installation 8 of 9: GRP: ECP-0633 AFT Fuselage	- / -	- / -	- / -	- / 10.246	- / 0.000	- / 10.246	- / -	- / -	- / -	- / -	- / -	- / 10.246
Installation 9 of 9: Fuel Cell Refurb & RIM (RIM start FY08)	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Installation	*- / 326.692*	*- / 15.524*	*- / 23.321*	*- / 46.338*	*- / -*	*- / 46.338*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*
Total												
Total Cost (Procurement + Support + Installation)	**1,094.935**	**85.872**	**122.096**	**127.208**	**0.000**	**127.208**	**-**	**-**	**-**	**-**	**-**	**-**

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 3 / F/A-18 Aircraft Structural Life Management Plan (SLMP) (OSIP 11-99) CBR+

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

Installation 1 of 9: GRP: CBR ECP 904

Manufacturer Information

Manufacturer Name: Northrop Grumman - CBR ECP 904 | Manufacturer Location: El Segundo, CA

Administrative Leadtime *(in Months)*: 3 | Production Leadtime *(in Months)*: 29

Dates	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: [none specified]:: Installation Name: CBR ECP 904

Installation Cost	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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	254 / 326.624	3 / 15.149	12 / 21.846	16 / 29.618	0 / 0.000	16 / 29.618	- / -	- / -	- / -	- / -	- / -	285 / 393.237
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	254 / 326.624	3 / 15.149	12 / 21.846	16 / 29.618	0 / 0.000	16 / 29.618	- / -	- / -	- / -	- / -	- / -	285 / 393.237

Installation Schedule

	PYS	FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				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	254	2	1	-	-	6	6	-	-	8	7	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	254	-	-	2	1	-	-	6	6	1	-	8	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 3 / F/A-18 Aircraft Structural Life Management Plan (SLMP) (OSIP 11-99) CBR+

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

Installation 2 of 9: ECP 1099 AFC-579 NLG Retract Actuator Supports

Manufacturer Information

Manufacturer Name: North Island - ECP 1099 NLG Retract Actuator Supports | Manufacturer Location: San Diego, CA

Administrative Leadtime *(in Months)*: 2 | Production Leadtime *(in Months)*: 12

Dates	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Contract Dates	Nov 2015	Nov 2016	Nov 2017				
Delivery Dates	Nov 2016	Nov 2017	Nov 2018				

Installation Information

Method of Implementation: Navy Drive-In Modification:: Installation Name: ECP 1099 AFC-579 NLG Retract Actuator Supports

Installation Cost	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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	1 / 0.068	3 / 0.375	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.443
FY 2016	- / -	- / -	2 / 0.255	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.255
FY 2017	- / -	- / -	- / -	2 / 0.259	0 / 0.000	2 / 0.259	- / -	- / -	- / -	- / -	- / -	2 / 0.259
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	1 / 0.068	3 / 0.375	2 / 0.255	2 / 0.259	0 / 0.000	2 / 0.259	- / -	- / -	- / -	- / -	- / -	8 / 0.957

Installation Schedule

	PYS	FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				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	1	1	1	1	-	1	1	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	1	1	1	1	-	1	1	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 3 / F/A-18 Aircraft Structural Life Management Plan (SLMP) (OSIP 11-99) CBR+

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

Installation 3 of 9: GRP: ECP-0627 FWD Fuselage & LEX

Manufacturer Information

Manufacturer Name: Boeing - ECP-0627 FWD Fuselage & LEX | Manufacturer Location: St Louis, MO

Administrative Leadtime *(in Months)*: 3 | Production Leadtime *(in Months)*: 9

Dates	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Contract Dates	Jan 2016	Jan 2017	Jan 2018				
Delivery Dates	Oct 2016	Oct 2017	Oct 2018				

Installation Information

Method of Implementation: [none specified]:: Installation Name: ECP-0627 FWD Fuselage & LEX

Installation Cost	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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 2016	- / -	- / -	8 / 0.660	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.660
FY 2017	- / -	- / -	- / -	14 / 0.248	0 / 0.000	14 / 0.248	- / -	- / -	- / -	- / -	- / -	14 / 0.248
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	8 / 0.660	14 / 0.248	0 / 0.000	14 / 0.248	- / -	- / -	- / -	- / -	- / -	22 / 0.908

Installation Schedule

	PYS	FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				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	-	-	-	-	-	4	4	-	-	9	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	-	-	-	-	-	4	4	-	-	9	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 3 / F/A-18 Aircraft Structural Life Management Plan (SLMP) (OSIP 11-99) CBR+

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

Installation 4 of 9: GRP: ECP-0629 FWD Center Fuselage

Manufacturer Information

Manufacturer Name: Boeing -ECP-0629 FWD Center Fuselage | Manufacturer Location: St Louis, MO

Administrative Leadtime *(in Months)*: 3 | Production Leadtime *(in Months)*: 9

Dates	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Contract Dates		Jan 2017	Jan 2018				
Delivery Dates		Oct 2017	Oct 2018				

Installation Information

Method of Implementation: [none specified]:: Installation Name: ECP-0629 FWD Center Fuselage

Installation Cost	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	2 / 0.048	0 / 0.000	2 / 0.048	- / -	- / -	- / -	- / -	- / -	2 / 0.048
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	2 / 0.048	0 / 0.000	2 / 0.048	- / -	- / -	- / -	- / -	- / -	2 / 0.048

Installation Schedule

	PYS	FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				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	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 3 / F/A-18 Aircraft Structural Life Management Plan (SLMP) (OSIP 11-99) CBR+

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

Installation 5 of 9: GRP: ECP-0630 AFT Center Fuselage

Manufacturer Information

Manufacturer Name: Boeing - ECP-0630 AFT Center Fuselage | Manufacturer Location: St Louis, MO

Administrative Leadtime *(in Months)*: 3 | Production Leadtime *(in Months)*: 9

Dates	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Contract Dates		Jan 2017	Jan 2018				
Delivery Dates		Oct 2017	Oct 2018				

Installation Information

Method of Implementation: [none specified]:: Installation Name: ECP-0630 AFT Center Fuselage

Installation Cost	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	84 / 4.493	0 / 0.000	84 / 4.493	- / -	- / -	- / -	- / -	- / -	84 / 4.493
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	84 / 4.493	0 / 0.000	84 / 4.493	- / -	- / -	- / -	- / -	- / -	84 / 4.493

Installation Schedule

	PYS	FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				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	-	-	-	-	-	-	-	-	-	24	20	20	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	-	-	-	-	-	-	-	-	-	24	20	20	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 3 / F/A-18 Aircraft Structural Life Management Plan (SLMP) (OSIP 11-99) CBR+

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

Installation 6 of 9: GRP: ECP-0631 Inner Wing

Manufacturer Information

Manufacturer Name: Boeing - ECP-0631 Inner Wing | Manufacturer Location: St Louis, MO

Administrative Leadtime *(in Months)*: 3 | Production Leadtime *(in Months)*: 9

Dates	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Contract Dates	Jan 2016	Jan 2017	Jan 2018				
Delivery Dates	Oct 2016	Oct 2017	Oct 2018				

Installation Information

Method of Implementation: [none specified]:: Installation Name: ECP-0631 Inner Wing

Installation Cost	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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 2016	- / -	- / -	4 / 0.280	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.280
FY 2017	- / -	- / -	- / -	10 / 0.713	0 / 0.000	10 / 0.713	- / -	- / -	- / -	- / -	- / -	10 / 0.713
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	4 / 0.280	10 / 0.713	0 / 0.000	10 / 0.713	- / -	- / -	- / -	- / -	- / -	14 / 0.993

Installation Schedule

	PYS	FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				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	-	-	-	-	-	2	2	-	-	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	-	-	-	-	-	2	2	-	-	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 3 / F/A-18 Aircraft Structural Life Management Plan (SLMP) (OSIP 11-99) CBR+

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

Installation 7 of 9: GRP: ECP-0632 Outer Wing

Manufacturer Information

Manufacturer Name: Boeing -ECP-0632 Outer Wing | Manufacturer Location: St Louis, MO

Administrative Leadtime *(in Months)*: 3 | Production Leadtime *(in Months)*: 9

Dates	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Contract Dates	Jan 2016	Jan 2017	Jan 2018				
Delivery Dates	Oct 2016	Oct 2017	Oct 2018				

Installation Information

Method of Implementation: [none specified]:: Installation Name: ECP-0632 Outer Wing

Installation Cost	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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 2016	- / -	- / -	4 / 0.280	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.280
FY 2017	- / -	- / -	- / -	10 / 0.713	0 / 0.000	10 / 0.713	- / -	- / -	- / -	- / -	- / -	10 / 0.713
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	4 / 0.280	10 / 0.713	0 / 0.000	10 / 0.713	- / -	- / -	- / -	- / -	- / -	14 / 0.993

Installation Schedule

	PYS	FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				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	-	-	-	-	-	2	2	-	-	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	-	-	-	-	-	2	2	-	-	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 3 / F/A-18 Aircraft Structural Life Management Plan (SLMP) (OSIP 11-99) CBR+

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

Installation 8 of 9: GRP: ECP-0633 AFT Fuselage

Manufacturer Information

Manufacturer Name: Boeing - ECP-0633 AFT Fuselage | Manufacturer Location: St Louis, MO

Administrative Leadtime *(in Months)*: 3 | Production Leadtime *(in Months)*: 9

Dates	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Contract Dates		Jan 2017	Jan 2018				
Delivery Dates		Oct 2017	Oct 2018				

Installation Information

Method of Implementation: [none specified]:: Installation Name: ECP-0633 AFT Fuselage

Installation Cost	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	160 / 10.246	0 / 0.000	160 / 10.246	- / -	- / -	- / -	- / -	- / -	160 / 10.246
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	160 / 10.246	0 / 0.000	160 / 10.246	- / -	- / -	- / -	- / -	- / -	160 / 10.246

Installation Schedule

	PYS	FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				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	-	-	-	-	-	-	-	-	-	40	40	40	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	-	-	-	-	-	-	-	-	-	40	40	40	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 3 / F/A-18 Aircraft Structural Life Management Plan (SLMP) (OSIP 11-99) CBR+

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

Installation 9 of 9: Fuel Cell Refurb & RIM (RIM start FY08)

Manufacturer Information

Manufacturer Name: TBD	Manufacturer Location: TBD
Administrative Leadtime *(in Months)*: 0	Production Leadtime *(in Months)*: 0

Dates	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: [none specified]:: Installation Name: Fuel Cell Refurb & RIM (RIM start FY08)

Installation Schedule

		FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022					
	PYS	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	TC	Tot
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Footnotes:

(17) Prior year procurements were planned based on ability to install 40 kits per year. Actual capacity to install is only up to 26 kits per year.

(18) A) Kit installs are delayed due to procurement of Canadian and Australian kits. In addition, prior year procurements were planned based on ability to install 40 kits per year. Actual capacity to install is only up to 26 kits per year. B) Due to production line shut down, 23 kits were procured in FY13 as a life of type buy.

(19) Kit pricing is quantity sensitive. Foreign military sales procurements in some years affect unit price.

(20) SLEP Non-Recurring Engineering (NRE) funding increases in FY17 due to ramp up of SLEP efforts.

(21) Funding for RIM is budgeted based on known repair requirements that will occur each time an F/A-18 is opened to install the CBR+ structural components. These issues are inherent and expected during a modification of this scope where areas of the aircraft are being disassembled that were never intended to be disassembled when originally manufactured.

(22) Funding for RIM is budgeted based on known repair requirements that will occur each time an F/A-18 is opened to install the CBR+ structural components. These issues are inherent and expected during a modification of this scope where areas of the aircraft are being disassembled that were never intended to be disassembled when originally manufactured.

(23) Funding increases in FY17 due to ramp up of SLEP efforts.

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 4 / Multi-Functional Information Distribution System (MIDS) (OSIP 12-99)
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	

Resource Summary	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	470.235	175.518	51.273	53.349	0.000	53.349	-	-	-	-	-	-
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) *($ in Millions)*	470.235	175.518	51.273	53.349	0.000	53.349	-	-	-	-	-	-
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**470.235**	**175.518**	**51.273**	**53.349**	**0.000**	**53.349**	**-**	**-**	**-**	**-**	**-**	**-**
(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 Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This Operational, Safety and Improvement Program (OSIP) funds tactical data link communications systems to provide a secure digital communications and navigation to aircraft. Multifunctional Information Distribution System (MIDS) Joint Tactical Radio System (JTRS) is an Engineering Change Proposal (ECP) upgrade to the MIDS-LVT (Low Volume Terminal) and offers the same functionality as MIDS-LVT (Link 16, tactical air navigation, and digital voice) in a software-controlled architecture JTRS-compliant format, and provides the option of future expandability to host follow-on advanced tactical data links (i.e. Tactical Targeting Network Technology (TTNT). MIDS JTRS is approved for retrofit in Lots 26-31 F/A-18E/F and EA-18G aircraft and is funded for retrofit incorporation as MIDS JTRS 4-Net Concurrent Multi-Netting and Concurrent Contention Receive (CMN-4) in all MIDS-capable Navy F/A-18 and EA-18G aircraft. MIDS JTRS provides cryptographic modernization and frequency remapping capability. CMN-4 provides increased Link 16 capacity to support Navy Integrated Fire Control-Counter Air. With either MIDS-LVT or MIDS JTRS installed, F/A-18 is interoperable with all Link 16 equipped platforms in United States and Allied Nations. Retrofit incorporation of MIDS JTRS TTNT is planned for all EA-18G aircraft (Lot 30 and up) as part of Integrated Capability Package-3 (ICP-3) and for Lot 26 and up F/A-18E/F aircraft. TTNT provides Internet Protocol (IP) and non-IP network connectivity at significantly increased throughput capacity compared to that of Link 16. This OSIP will also be used to perform efforts to address parts obsolescence. Single MIDS Operational Requirements Document # 642-61-04 and MIDS JTRS Capability Production Document Version 2.0 are germane.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:
This OSIP was originally planned for incorporation of MIDS into F/A-18C/D (Lots 12-21) and F/A-18E/F (Lots 22-31), but is now applicable to all F/A-18A++/C/D/E/F and EA-18G aircraft. MIDS JTRS completed its VCD in March 2012. Full rate production approval for MIDS-LVT was granted on 25 September 2003 and for MIDS JTRS on 4 April 2012.

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 4 / Multi-Functional Information Distribution System (MIDS) (OSIP 12-99)
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	
Models of Systems Affected: F/A-18 and EA-18G	**Modification Type:** CAPABILITY IMPROVEMENT	**Related RDT&E PEs:**

Financial Plan (*) Indicates the modification is being installed organically and no installation funds are required.	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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)*
Procurement												
1.1.1) A-Kits Archive - Organic(*)	714 / 57.681	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.2) MIDS JTRS cable sets - Organic(*)	3 / 0.028	121 / 0.453	155 / 0.703	165 / 0.990	- / -	165 / 0.990	- / -	- / -	- / -	- / -	- / -	- / -
1.1.3) ECP 6445 A-kit - Organic(*)	- / -	- / -	- / -	1,312 / 5.676	- / -	1,312 / 5.676	- / -	- / -	- / -	- / -	- / -	- / -
1.2.1) Installation Kits N/R - Organic(*)	- / 0.194	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
2.1.1) MIDS JTRS Terminals (CMN-4) - Organic(*)	134 / 39.808	602 / 157.122	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
2.1.2) MIDS JTRS Upgrades (CMN-4) - Organic(*)	12 / 2.269	- / -	- / -	77 / 14.536	- / -	77 / 14.536	- / -	- / -	- / -	- / -	- / -	- / -
2.1.3) 27C SCS - Organic(*)	- / 3.802	- / 3.594	- / 0.088	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
2.1.4) 29C SCS - Organic(*)	- / -	- / -	- / 0.107	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
2.1.5) H12 SCS - Organic(*)	- / 5.292	- / 0.914	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
2.1.6) H14 SCS - Organic(*)	- / -	- / 0.488	- / -	- / 1.228	- / -	- / 1.228	- / -	- / -	- / -	- / -	- / -	- / -
2.1.7) H16 SCS - Organic(*)	- / -	- / -	- / 9.830	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
2.1.8) ECP 5773R3 - NonOrganic (24) *Installation 1 of 1*	72 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
2.1.9) E/F/G MIDS JTRS TTNT Terminals - Organic(*)	- / -	- / -	28 / 21.313	17 / 13.395	- / -	17 / 13.395	- / -	- / -	- / -	- / -	- / -	- / -
2.1.10) B-Kits Archive - Organic(*)	1,052 / 212.856	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
2.1.11) Prior Year Installation Costs - Organic(*)	461 / 39.882	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
2.2.1) Install Equipment N/R - Organic(*)	- / 47.464	- / 1.306	- / 2.874	- / 0.800	- / -	- / 0.800	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Procurement	*- / 409.276*	*- / 163.877*	*- / 34.915*	*- / 36.625*	*- / -*	*- / 36.625*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*
Support												
3.1) Engineering Change Orders	- / 0.980	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.2) Data	- / 2.870	- / 0.036	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.4) Support Equipment	- / 7.554	- / 0.168	- / 0.180	- / 0.183	- / -	- / 0.183	- / -	- / -	- / -	- / -	- / -	- / -
3.5) ILS	- / 12.031	- / 1.102	- / 1.940	- / 1.975	- / -	- / 1.975	- / -	- / -	- / -	- / -	- / -	- / -
3.6) Other Support	- / 37.519	- / 10.319	- / 14.201	- / 14.566	- / -	- / 14.566	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support	*- / 60.954*	*- / 11.625*	*- / 16.321*	*- / 16.724*	*- / -*	*- / 16.724*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*
Installation												
Installation 1 of 1: ECP 5773R3	- / 0.005	- / 0.016	- / 0.037	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.058
Subtotal: Installation	*- / 0.005*	*- / 0.016*	*- / 0.037*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 4 / Multi-Functional Information Distribution System (MIDS) (OSIP 12-99)
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	
Models of Systems Affected: F/A-18 and EA-18G	**Modification Type:** CAPABILITY IMPROVEMENT	**Related RDT&E PEs:**

Financial Plan (*) Indicates the modification is being installed organically and no installation funds are required.	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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)*
Total												
Total Cost (Procurement + Support + Installation)	470.235	175.518	51.273	53.349	0.000	53.349	-	-	-	-	-	-

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 4 / Multi-Functional Information Distribution System (MIDS) (OSIP 12-99)

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

Installation 1 of 1: ECP 5773R3

Manufacturer Information

Manufacturer Name: Boeing - ECP 5773R3 | Manufacturer Location: St Louis, MO

Administrative Leadtime *(in Months)*: 3 | Production Leadtime *(in Months)*: 12

Dates	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: Navy Field Modification Team:: Installation Name: ECP 5773R3

Installation Cost	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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	5 / 0.005	9 / 0.016	18 / 0.037	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	32 / 0.058
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	5 / 0.005	9 / 0.016	18 / 0.037	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	32 / 0.058

Installation Schedule

	PYS	FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				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	5	-	-	-	9	-	-	-	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	5	-	-	-	9	-	-	-	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Footnotes:

(24) Quantity of 72 kits were procured in prior years and are still being installed based on aircraft availability.

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 5 / USMC F/A-18 Upgrade ECP-583 (OSIP 21-00)
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	

Resource Summary	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	365.430	11.543	64.017	56.725	0.000	56.725	-	-	-	-	-	-
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) *($ in Millions)*	365.430	11.543	64.017	56.725	0.000	56.725	-	-	-	-	-	-
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**365.430**	**11.543**	**64.017**	**56.725**	**0.000**	**56.725**	**-**	**-**	**-**	**-**	**-**	**-**
(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 Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This Operational Safety Improvement Program (OSIP) upgrades United States Marine Corps (USMC) F/A-18A/B/C/Ds avionics including both hardware and software capabilities. This requirement is critical to meet the Marine Corps requirements for the Tactical Aircraft Integration Plan. The avionics upgrade includes avionics subsystems already incorporated or being incorporated into USMC F/A-18 aircraft. ECP 1153 incorporates the Navy Aircrew Common Ejection Seat (NACES) for utilization with the Joint Helmet Mounted Cueing System (JHMCS) system on C+ aircraft. ECP 1153 adds the following capabilities to C + aircraft: MIDS LVT; color displays; JHMCS; ALE-47; Tactical Aircraft Moving Map Capability (TAMMAC); and Advanced Memory Unit (AMU). ECP 1153 for B+ will incorporate the NACES, MIDS LVT; color displays; JHMCS; ALE-47; TAMMAC; and AMU on the B+ aircraft.

The USMC Higher Order Language (HOL) Upgrade (ECP 634) includes retrofit of F/A-18C/D aircraft with the Advanced Capability Mission Computer (ACMC), display upgrades including the left/right 5x5 Advanced Multi-Purpose Display (AMPD), Up-Front Control Display-Replacement (UFCDR), Multi-Purpose Color Display Replacement (MPCDR), stores management system upgrades, Data Transfer Unit (DTU), upgraded Heads Up Display (HUD) and associated software and engineering requirements. The efforts will include integration of the hardware and the software as well as the Integrated Logistics Support (ILS) products. It will also support updates to Operational Flight Program (OFP) for aircraft modernization and modification efforts which necessitate software releases. The procurement of SCS is not a stand alone cost but integration for the overall improvement to the end item to allow the integration of new capabilities and or performances to be complete.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:
The number of aircraft to be retrofitted in the program of record has changed; the USMC has deferred retrofitting some early lot F/A-18C/Ds vice only F/A-18A/Bs due to greater remaining life on those aircraft.

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 5 / USMC F/A-18 Upgrade ECP-583 (OSIP 21-00)
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	
Models of Systems Affected: F/A-18 A/B/C/D	**Modification Type:** AVIONICS UPGRADE	**Related RDT&E PEs:**

Financial Plan (*) Indicates the modification is being installed organically and no installation funds are required.	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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)*
Procurement												
1.1.1) ECP-1153 A-kits - NonOrganic *Installation 1 of 1*	16 / 9.514	13 / 6.435	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.2) ECP 1153 A Kit RIM - Organic(*)	- / -	- / -	15 / 1.403	13 / 1.211	- / -	13 / 1.211	- / -	- / -	- / -	- / -	- / -	- / -
1.1.5) A-Kits Archive - Organic(*)	216 / 19.105	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.2.1) Installation Kits N/R - Organic(*) (25)	- / 18.662	- / 0.920	- / 18.296	- / 20.378	- / -	- / 20.378	- / -	- / -	- / -	- / -	- / -	- / -
2.1.1) ECP-1153 JHMCS Lower Helmet VI - Organic(*)	26 / 0.119	14 / 0.019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
2.1.2) ECP-1153 USMC Displays- MDGU - Organic(*)	10 / 6.987	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
2.1.5) B-Kits Archive - Organic(*)	1,361 / 245.705	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
2.1.6) Prior Year Installation Cost - Organic(*)	236 / 44.157	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
2.2.1) Installation Equipment N/R - Organic(*)	- / 0.944	- / -	- / 0.800	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Procurement	*- / 345.193*	*- / 7.374*	*- / 20.499*	*- / 21.589*	*- / -*	*- / 21.589*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*
Support												
3.2) ECP 634 - USMC HOL Upgrade: Software (H12C SCS)	- / -	- / -	- / 16.558	- / 20.780	- / -	- / 20.780	- / -	- / -	- / -	- / -	- / -	- / -
3.3) Data	- / 3.069	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.4) Training Equipment	- / 0.747	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.5) Support Equipment	- / 3.862	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.6) ILS	- / 3.400	- / 0.167	- / 0.235	- / 0.121	- / -	- / 0.121	- / -	- / -	- / -	- / -	- / -	- / -
3.7) Other Support (26)	- / 8.096	- / 1.345	- / 18.604	- / 7.135	- / -	- / 7.135	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support	*- / 19.174*	*- / 1.512*	*- / 35.397*	*- / 28.036*	*- / -*	*- / 28.036*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*
Installation												
Installation 1 of 1: ECP-1153 A-kits	- / 1.063	- / 2.657	- / 8.121	- / 7.100	- / 0.000	- / 7.100	- / -	- / -	- / -	- / -	- / -	- / 18.941
Subtotal: Installation	*- / 1.063*	*- / 2.657*	*- / 8.121*	*- / 7.100*	*- / -*	*- / 7.100*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*
Total												
Total Cost (Procurement + Support + Installation)	**365.430**	**11.543**	**64.017**	**56.725**	**0.000**	**56.725**	**-**	**-**	**-**	**-**	**-**	**-**

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 5 / USMC F/A-18 Upgrade ECP-583 (OSIP 21-00)

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

Installation 1 of 1: ECP-1153 A-kits

Manufacturer Information

Manufacturer Name: Various - ECP-1153 A-kits | Manufacturer Location: Various

Administrative Leadtime *(in Months)*: 4 | Production Leadtime *(in Months)*: 20

Dates	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Contract Dates	Feb 2016						
Delivery Dates	Oct 2017						

Installation Information

Method of Implementation: Navy Field Modification Team:: Installation Name: ECP-1153 A-kits

Installation Cost	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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	1 / 1.063	1 / 2.657	14 / 8.121	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 11.841
FY 2016	- / -	- / -	- / -	13 / 7.100	0 / 0.000	13 / 7.100	- / -	- / -	- / -	- / -	- / -	13 / 7.100
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	1 / 1.063	1 / 2.657	14 / 8.121	13 / 7.100	0 / 0.000	13 / 7.100	- / -	- / -	- / -	- / -	- / -	29 / 18.941

Installation Schedule

	PYS	FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				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	1	1	-	-	-	4	4	3	3	3	3	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	1	-	-	1	-	4	4	3	3	3	3	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Footnotes:

(25) Funding increased in FY17 due to ECP-634 (USMC HOL Upgrade) efforts being realigned from OSIP 23-04 to OSIP 21-00 beginning in that year.

(26) Other Support increases in FY17 due to software testing efforts for H12C software.

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 8 / F/A-18C/D/E/F and EA-18G Training System (OSIP 006-02)
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	

Resource Summary	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	199.011	29.688	27.004	21.428	0.000	21.428	-	-	-	-	-	-
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) *($ in Millions)*	199.011	29.688	27.004	21.428	0.000	21.428	-	-	-	-	-	-
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**199.011**	**29.688**	**27.004**	**21.428**	**0.000**	**21.428**	**-**	**-**	**-**	**-**	**-**	**-**
(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 Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

Description:

F/A-18C-F and EA-18G training funds will be used to meet current fleet readiness squadron and fleet training and readiness requirements. These requirements mandate that the training systems be concurrent with the aircraft hardware, software, and capabilities. New components and software will be procured to prevent obsolescence of the various trainers throughout the service life of the platform. Funding will also be used to update courseware, computer based training, and maintenance trainers as Engineering Change Proposals (ECPs) are performed on the aircraft. Funds will be used to increase the simulation fidelity of any aircraft driven changes, implement these changes across a distributed architecture, and synthesize these changes into the simulated threat environment. Funds will also be used to enable live, virtual and constructive (LVC) training; linking aircrew training devices and synthetic injects with aircraft flying on live ranges. Current trainer inventory is 56 maintenance trainers with 32 devices for F/A-18 EF and EA-18 G and 24 devices for F/A-18 C-D and 65 aircrew training devices and 93 aircrew cockpits with 39 devices and 62 cockpits for F/A-18 EF and EA-18 G and 26 devices and 31 cockpits for F/A-18 C-D.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Trainers were procured with APN-1 funding and are modified with ECPs as required.

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 8 / F/A-18C/D/E/F and EA-18G Training System (OSIP 006-02)
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	
Models of Systems Affected: F/A-18C/D/E/F and EA-18G	**Modification Type:** TRAINERS UPGRADE	**Related RDT&E PEs:**

Financial Plan	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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)*
Procurement												
Modification Item 1 of 1: N/A												
Subtotal: N/A	- / -	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.000
Subtotal: Procurement, All Modification Items	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Support *(All Modification Items)*												
3.3) Training Equipment [27]	- / 197.070	- / 29.521	- / 26.834	- / 21.254	- / -	- / 21.254	- / -	- / -	- / -	- / -	- / -	- / -
3.5) ILS	- / 1.062	- / 0.098	- / 0.100	- / 0.102	- / -	- / 0.102	- / -	- / -	- / -	- / -	- / -	- / -
3.6) Other Support	- / 0.879	- / 0.069	- / 0.070	- / 0.072	- / -	- / 0.072	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support	- / 199.011	- / 29.688	- / 27.004	- / 21.428	- / -	- / 21.428	- / -	- / -	- / -	- / -	- / -	- / -
Installation												
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total												
Total Cost (Procurement + Support + Installation)	**199.011**	**29.688**	**27.004**	**21.428**	**0.000**	**21.428**	**-**	**-**	**-**	**-**	**-**	**-**

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 8 / F/A-18C/D/E/F and EA-18G Training System (OSIP 006-02)

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

Modification Item 1 of 1: N/A

Manufacturer Information

Manufacturer Name: N/A	Manufacturer Location: N/A
Administrative Leadtime *(in Months)*:	Production Leadtime *(in Months)*:

Dates	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation (Organic): Support Only Installation	**Installation Quantity:** 0

Footnotes:

(27) Aircrew devices are upgraded on a yearly cycle and the maintenance devices on a two to three year cycle.

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 9 / E/F & EA-18G Correction of Operational Discrepancies (OSIP 14-03)
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	

Resource Summary	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	530.589	86.663	159.748	148.194	0.000	148.194	-	-	-	-	-	-
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) *($ in Millions)*	530.589	86.663	159.748	148.194	0.000	148.194	-	-	-	-	-	-
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**530.589**	**86.663**	**159.748**	**148.194**	**0.000**	**148.194**	**-**	**-**	**-**	**-**	**-**	**-**
(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 Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Corrections to discrepancies discovered during testing and development can sometimes be incorporated into production aircraft, effective with the physical configuration audit which establishes the product baseline of the aircraft. However, when this cannot be done due to time constraints, retrofit of the changes into already delivered aircraft requires funding through the Aircraft Modification Program. Corrections to the following items/conditions are required to meet Commander, Naval Air Force directed transitions as promulgated in the current Master Aviation Plan. This Operational, Safety and Improvement Program (OSIP) will correct operational discrepancies discovered during testing and evaluations, sustainment activities, engineering analysis, standard depot level evaluations, and during normal fleet operations. This OSIP provides resources to correct such issues via Engineering Change Proposal (ECP) and other applicable procurement efforts by modifying, improving, and restoring aircraft structural safety and reliability to designed/required life limits. Modifications are to include: Air Frame Structural Upgrades, such as Flight Controls Surfaces, Forward Fuselage, Aft Fuselage, Inner/Outer Wing, Critical Structures; and Aircraft Subsystem Upgrades, such as Electrical, Hydraulic, Environmental Control Systems (ECS), Fuel, Launch & Recovery, Critical Structures, Mechanical, Secondary Power, Fire Suppression Systems, Blue Angels modifications, and other sustainment activities. This OSIP will provide modifications to Flight Control Computer (FCC) Operational Flight Programs (OFP) and provide other upgrades to integrate Maritime Augmented Guidance with Integrated Controls for Carrier Approach and Recovery Precision Enabling Technologies (MAGIC CARPET), Phase 2, Step 2.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Each change has been or will be tested prior to installation in the F/A-18E/F and EA-18G.

NOTE: Kit procurements were budgeted and executed properly, in alignment with planned organic depot inductions. Aircraft inductions have exceeded depot capacity due to many aircraft reaching service life limits at the same time, increased turnaround time due to material degradation and corrosion repairs over and above planned modification efforts, and delays caused by sequestration which increased the number of Out of Reporting (OOR) aircraft. Due to these depot constraints, prior year kit procurements became misaligned with aircraft installations. Depot level kit installations have been impacted by depot throughput constraints and backlog. The install schedules reflected in this budget take into account the current constrained depot throughput and backlog. Any disruptions to the current budget will disrupt on-going modifications required to address OOR aircraft.

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 9 / E/F & EA-18G Correction of Operational Discrepancies (OSIP 14-03)
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	
Models of Systems Affected: F/A-18 E/F & EA-18G	**Modification Type:** SAFETY /RELIABILITY/ IMPROVEMENT	**Related RDT&E PEs:**

Financial Plan (*) Indicates the modification is being installed organically and no installation funds are required.	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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)*
Procurement												
1.1.1) ECP-1049 Fuel Pressurization System Check Valve Failure - NonOrganic *Installation 1 of 17*	59 / 0.098	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.2) ECP-1137NI: Fire Extinguisher Temp Compensating Pressure Switch (TCPS) - NonOrganic *Installation 1 of 17*	14 / 0.033	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.3) ECP-5046C1 BALD Transponder Rotation - Change Incorporation Level - NonOrganic *Installation 1 of 17*	133 / 0.090	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.5) ECP-6089R1 Engine Bay Door Strut Redesign - NonOrganic *Installation 1 of 17*	69 / 0.003	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.6) ECP-6106R1 Exhaust Overtemp Final Fix/Bard Stacks - NonOrganic *Installation 1 of 17*	223 / 15.966	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.7) ECP-6188 Y436 Inlet Former - NonOrganic *Installation 1 of 17*	183 / 1.912	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.8) ECP-6193R1/R2 (LEX) Lwr Surface/Structure Cracks Redesign Y286 / Y294 - NonOrganic *Installation 1 of 17*	219 / 27.472	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.9) ECP-6198 Radar Bay Vent Valve Fail - MSP 862 - NonOrganic *Installation 1 of 17*	91 / 0.005	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.10) ECP-6206 Y679 Former Boot Strap Interface Fillet Seal Missing - NonOrganic *Installation 1 of 17*	80 / 0.014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.12) ECP-6217 Cockpit Pressure Warning System (CPWS) - NonOrganic *Installation 1 of 17*	292 / 2.869	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.13) ECP-6221 Bay $L-Y357 Bulkhead Horizontal Flange Life Limit - NonOrganic *Installation 1 of 17*	109 / 1.028	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.15) ECP-1049 Fuel Pressurization System Check Valve Failure - NonOrganic (28) *Installation 1 of 17*	9 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.17) ECP-6238 Inadequate Clearance - APU Surge Cntrl Valve & Y568 Spt - NonOrganic *Installation 1 of 17*	124 / 0.022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 9 / E/F & EA-18G Correction of Operational Discrepancies (OSIP 14-03)
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	
Models of Systems Affected: F/A-18 E/F & EA-18G	**Modification Type:** SAFETY /RELIABILITY/ IMPROVEMENT	**Related RDT&E PEs:**

Financial Plan (*) Indicates the modification is being installed organically and no installation funds are required.	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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)*
1.1.19) ECP-6241R1 / Wing-Aft Shear Tie Bushing Migration - NonOrganic *Installation 1 of 17*	126 / 0.170	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.20) ECP-6245 Inboard Wing Closure Bolt, Anti-Rotation Retainer - NonOrganic *Installation 1 of 17*	21 / 0.247	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.21) ECP-6249 Nut Plate Installation Sealing - NonOrganic *Installation 1 of 17*	212 / 0.107	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.22) ECP-6262 Y591 Bulkhead Missing Fasteners at Keel Longeron - NonOrganic *Installation 1 of 17*	181 / 1.082	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.23) ECP-6308 ECS warm air duct deflections - NonOrganic *Installation 1 of 17*	218 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.24) ECP-6322 Dry Bay Fire Suppression System (DBFSS) - NonOrganic *Installation 1 of 17*	277 / 0.417	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.25) ECP-6325 Y618 Inbrd Former / Keel Longeron Arrestment Load - NonOrganic *Installation 1 of 17*	458 / 0.519	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.26) ECP-6353 F/A-18E/F Lower Wing Hinge Corrosion Improvements - NonOrganic *Installation 1 of 17*	204 / 1.995	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.27) ECP-6366 Outer-Wing Inboard Aileron Hinge and SPAR 4 - NonOrganic *Installation 1 of 17*	84 / 1.623	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.28) ECP-6372 Y233 Bulkhead Rudder / Break Pully Bracket Attachment - NonOrganic *Installation 1 of 17*	351 / 0.118	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.29) ECP-6388 Outer-Wing Water Drainage Provisions - NonOrganic *Installation 1 of 17*	338 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.33) ECP-6428 Removal of Vertical Tail Drain Common to Fuel Vent Tank - NonOrganic *Installation 1 of 17*	435 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.4) ECP-5073: Retrofit of the Trailing Edge Flap Fastener Hole Cold Working - NonOrganic *Installation 2 of 17*	- / -	- / -	35 / 0.185	34 / 0.183	- / -	34 / 0.183	- / -	- / -	- / -	- / -	- / -	- / -
1.1.11) ECP-6213R2 / TEF Redesign - Organic(*)	98 / 77.246	- / -	43 / 49.966	39 / 46.878	- / -	39 / 46.878	- / -	- / -	- / -	- / -	- / -	- / -
1.1.14) ECP-6227C2/C3 Inlet Nacelle Bleed Plate Crack - NonOrganic	144 / 2.323	72 / 1.104	- / -	72 / 1.144	- / -	72 / 1.144	- / -	- / -	- / -	- / -	- / -	- / -

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 9 / E/F & EA-18G Correction of Operational Discrepancies (OSIP 14-03)
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	
Models of Systems Affected: F/A-18 E/F & EA-18G	**Modification Type:** SAFETY /RELIABILITY/ IMPROVEMENT	**Related RDT&E PEs:**

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	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)*
Installation 3 of 17												
1.1.16) ECP-6234C1 Horizontal Stabilator/Fuselage Rubbing - NonOrganic *Installation 4 of 17*	30 / 0.396	- / -	27 / 0.097	30 / 0.110	- / -	30 / 0.110	- / -	- / -	- / -	- / -	- / -	- / -
1.1.18) ECP-6240R1 / FT50 18K MLG Sidebrace Fitting Failure - NonOrganic *Installation 5 of 17*	216 / 9.620	48 / 2.358	29 / 1.618	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.30) ECP-6394R1: F/A-18E/F Horizontal Stab Gang Channel Corrosion-AYC-1682 - NonOrganic (29) *Installation 6 of 17*	- / -	- / -	72 / 0.000	72 / 0.000	- / -	72 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -
1.1.31) ECP-6394R1 Horizontal Stabilator Gang Channel Corrosion - AYC-1717 - NonOrganic *Installation 7 of 17*	92 / 0.695	90 / 1.278	- / -	45 / 0.316	- / -	45 / 0.316	- / -	- / -	- / -	- / -	- / -	- / -
1.1.32) ECP-6416 Environment Control Sys Anti-Ice Duct Bracket - NonOrganic *Installation 8 of 17*	288 / 2.609	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.34) ECP-6430 Enhancement of the Aft Pivot Support Fitting - NonOrganic *Installation 9 of 17*	360 / 3.305	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.35) ECP-XX12 FT50 Teardown Bulkhead Cracking - NonOrganic *Installation 10 of 17*	- / -	- / -	72 / 0.944	72 / 0.961	- / -	72 / 0.961	- / -	- / -	- / -	- / -	- / -	- / -
1.1.36) ECP-XX33 / Hydraulics Components Improvement - NonOrganic *Installation 10 of 17*	- / -	- / -	72 / 0.067	72 / 0.068	- / -	72 / 0.068	- / -	- / -	- / -	- / -	- / -	- / -
1.1.37) ECP-XX45 / FT50 Structural Related Issues - NonOrganic *Installation 10 of 17*	- / -	- / -	72 / 6.044	72 / 6.153	- / -	72 / 6.153	- / -	- / -	- / -	- / -	- / -	- / -
1.1.38) ECP-XX48 / Fuel Tank Wiring Retrofit Improvements - NonOrganic *Installation 10 of 17*	- / -	- / -	72 / 0.428	72 / 0.435	- / -	72 / 0.435	- / -	- / -	- / -	- / -	- / -	- / -
1.1.43) ECP-XX55: F/A-18 OBOGS Catalyst Integration Modline - NonOrganic *Installation 10 of 17*	- / -	- / -	72 / 0.081	72 / 0.082	- / -	72 / 0.082	- / -	- / -	- / -	- / -	- / -	- / -
1.1.39) ECP-XX50: F/A-18E/F Fuel Related Upgrade Issues - Organic(*)	- / -	- / -	100 / 0.594	100 / 0.605	- / -	100 / 0.605	- / -	- / -	- / -	- / -	- / -	- / -
1.1.40) ECP-XX51 / F/A-18E/F ECS Subsystem Upgrade Issues - NonOrganic *Installation 11 of 17*	- / -	- / -	72 / 0.484	72 / 0.492	- / -	72 / 0.492	- / -	- / -	- / -	- / -	- / -	- / -

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
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ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	
Models of Systems Affected: F/A-18 E/F & EA-18G	**Modification Type:** SAFETY /RELIABILITY/ IMPROVEMENT	**Related RDT&E PEs:**

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	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)*
1.1.41) ECP-XX52 / F/A-18E/F Subsystem Retrofit Upgrade Issues - NonOrganic *Installation 11 of 17*	- / -	- / -	72 / 0.604	72 / 0.615	- / -	72 / 0.615	- / -	- / -	- / -	- / -	- / -	- / -
1.1.42) ECP-XX53 / F/A-18E/F Structure Stress Corrosion Cracking Issues - NonOrganic *Installation 11 of 17*	- / -	- / -	72 / 1.612	72 / 1.641	- / -	72 / 1.641	- / -	- / -	- / -	- / -	- / -	- / -
1.1.44) ECP-XX60: NACES Retrofit Upgrades - Organic(*)	- / -	100 / 0.800	100 / 1.659	100 / 1.689	- / -	100 / 1.689	- / -	- / -	- / -	- / -	- / -	- / -
1.1.45) ECP-6470 Redesign Of The Hydrolic Pump Return Hose - Organic(*)	366 / 2.766	321 / 2.393	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.46) ECP-6474 Secondary Bleed Air Regulator Bay Bleed Air Leak Detection - Organic(*)	- / -	- / -	684 / 0.357	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.47) ECP-6475 Aux Power Unit Hydraulic Accumulator Support Bracket - NonOrganic *Installation 12 of 17*	- / -	- / -	72 / 1.644	72 / 1.644	- / -	72 / 1.644	- / -	- / -	- / -	- / -	- / -	- / -
1.1.48) ECP-6476 Aerial Refueling Pressure Regulator Removal - Organic(*)	- / -	- / -	6 / 0.051	576 / 5.020	- / -	576 / 5.020	- / -	- / -	- / -	- / -	- / -	- / -
1.1.49) ECP-6480: Navy Flight Demo Squadron (Blue Angels) Super Hornet - NonOrganic *Installation 13 of 17*	- / -	- / -	11 / 16.363	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.50) ECP-6487: Retrofit to Address Y491 Bulkhead Cracks - NonOrganic *Installation 14 of 17*	- / -	- / -	- / -	48 / 0.489	- / -	48 / 0.489	- / -	- / -	- / -	- / -	- / -	- / -
1.1.51) ECP-9557MB: NACES Upgrade (Sequencer) - Organic(*)	- / -	5,250 / 8.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.52) Fatigue Test (FT) 50 (Structures) Prior Year ECPs - NonOrganic (30) *Installation 15 of 17*	2,994 / 9.746	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.53) Fatigue Test (FT) 76/77/78 (Wing) Prior Year ECPs - NonOrganic (31) *Installation 16 of 17*	834 / 31.675	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.54) Main Landing Gear (MLG) Prior Year ECPs - NonOrganic (32) *Installation 17 of 17*	200 / 0.606	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.55) Archived ECPs - Organic(*)	14,262 / 47.077	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.2.1) Installation Kits N/R - Organic(*)	- / 56.041	- / 11.864	- / 10.447	- / 9.752	- / -	- / 9.752	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Procurement	*- / 299.895*	*- / 27.997*	*- / 93.245*	*- / 78.277*	*- / -*	*- / 78.277*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*
Support												

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
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	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)*
3.2) Software [33]	- / -	- / -	- / 0.415	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.3) Data	- / 3.128	- / 2.700	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.4) Training Equipment	- / 0.001	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.5) Support Equipment [34]	- / 16.406	- / 3.825	- / 2.115	- / 3.960	- / -	- / 3.960	- / -	- / -	- / -	- / -	- / -	- / -
3.6) ILS	- / 78.152	- / 10.267	- / 5.591	- / 5.691	- / -	- / 5.691	- / -	- / -	- / -	- / -	- / -	- / -
3.7) Other Support	- / 58.310	- / 14.761	- / 16.583	- / 16.881	- / -	- / 16.881	- / -	- / -	- / -	- / -	- / -	- / -
3.9) Installation Cost [35]	257 / 20.697	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support	*- / 176.694*	*- / 31.553*	*- / 24.704*	*- / 26.532*	*- / - /*	*- / 26.532*	*- / - /*	*- / - /*	*- / - /*	*- / - /*	*- / - /*	*- / - /*
Installation												
Installation 1 of 17: GRP: Prior Year Procurements Less than 5M	- / 24.640	- / 4.524	- / 7.439	- / 6.705	- / 0.000	- / 6.705	- / -	- / -	- / -	- / -	- / -	- / 43.308
Installation 2 of 17: ECP-5073: Retrofit of the Trailing Edge Flap Fastener Hole Cold Working	- / -	- / -	- / -	- / 0.226	- / 0.000	- / 0.226	- / -	- / -	- / -	- / -	- / -	- / 0.226
Installation 3 of 17: ECP-6227C2/C3 Inlet Nacelle Bleed Plate Crack	- / 0.180	- / 1.087	- / 3.320	- / 3.380	- / 0.000	- / 3.380	- / -	- / -	- / -	- / -	- / -	- / 7.967
Installation 4 of 17: ECP-6234C1 Horizontal Stabilator/ Fuselage Rubbing	- / -	- / -	- / -	- / 0.298	- / 0.000	- / 0.298	- / -	- / -	- / -	- / -	- / -	- / 0.298
Installation 5 of 17: ECP-6240R1 / FT50 18K MLG Sidebrace Fitting Failure	- / -	- / -	- / 3.828	- / 3.897	- / 0.000	- / 3.897	- / -	- / -	- / -	- / -	- / -	- / 7.725
Installation 6 of 17: ECP-6394R1: F/A-18E/F Horizontal Stab Gang Channel Corrosion-AYC-1682	- / -	- / -	- / 0.173	- / 0.176	- / 0.000	- / 0.176	- / -	- / -	- / -	- / -	- / -	- / 0.349
Installation 7 of 17: ECP-6394R1 Horizontal Stabilator Gang Channel Corrosion - AYC-1717	- / -	- / -	- / 1.099	- / 1.119	- / 0.000	- / 1.119	- / -	- / -	- / -	- / -	- / -	- / 2.218
Installation 8 of 17: ECP-6416 Environment Control Sys Anti-Ice Duct Bracket	- / -	- / -	- / 0.456	- / 0.464	- / 0.000	- / 0.464	- / -	- / -	- / -	- / -	- / -	- / 0.920
Installation 9 of 17: ECP-6430 Enhancement of the Aft Pivot Support Fitting	- / -	- / 2.452	- / 4.992	- / 5.082	- / 0.000	- / 5.082	- / -	- / -	- / -	- / -	- / -	- / 12.526
Installation 10 of 17: GRP: E/F/G Concurrent Installs	- / -	- / -	- / -	- / 2.206	- / 0.000	- / 2.206	- / -	- / -	- / -	- / -	- / -	- / 2.206
Installation 11 of 17: GRP: E/F Concurrent Installs	- / -	- / -	- / -	- / 1.483	- / 0.000	- / 1.483	- / -	- / -	- / -	- / -	- / -	- / 1.483
Installation 12 of 17: ECP-6475 Aux Power Unit Hydraulic Accumulator Support Bracket	- / -	- / -	- / 1.558	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.558

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 9 / E/F & EA-18G Correction of Operational Discrepancies (OSIP 14-03)
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	
Models of Systems Affected: F/A-18 E/F & EA-18G	**Modification Type:** SAFETY /RELIABILITY/ IMPROVEMENT	**Related RDT&E PEs:**

Financial Plan (*) Indicates the modification is being installed organically and no installation funds are required.	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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)*
Installation 13 of 17: ECP-6480: Navy Flight Demo Squadron (Blue Angels) Super Hornet	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Installation 14 of 17: ECP-6487: Retrofit to Address Y491 Bulkhead Cracks	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Installation 15 of 17: Fatigue Test (FT) 50 (Structures) Prior Year ECPs	- / 10.471	- / 6.494	- / 10.791	- / 10.700	- / 0.000	- / 10.700	- / -	- / -	- / -	- / -	- / -	- / 38.456
Installation 16 of 17: Fatigue Test (FT) 76/77/78 (Wing) Prior Year ECPs	- / 17.972	- / 12.532	- / 8.119	- / 7.624	- / 0.000	- / 7.624	- / -	- / -	- / -	- / -	- / -	- / 46.247
Installation 17 of 17: Main Landing Gear (MLG) Prior Year ECPs	- / 0.737	- / 0.024	- / 0.024	- / 0.025	- / 0.000	- / 0.025	- / -	- / -	- / -	- / -	- / -	- / 0.810
Subtotal: Installation	*- / 54.000*	*- / 27.113*	*- / 41.799*	*- / 43.385*	*- / -*	*- / 43.385*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*
Total												
Total Cost (Procurement + Support + Installation)	**530.589**	**86.663**	**159.748**	**148.194**	**0.000**	**148.194**	**-**	**-**	**-**	**-**	**-**	**-**

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 9 / E/F & EA-18G Correction of Operational Discrepancies (OSIP 14-03)

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

Installation 1 of 17: GRP: Prior Year Procurements Less than 5M

Manufacturer Information

Manufacturer Name: Various - Prior Year Procurements Less than $5M | Manufacturer Location: Various

Administrative Leadtime *(in Months)*: 12 | Production Leadtime *(in Months)*: 36

Dates	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: [none specified]:: Installation Name: Prior Year Procurements Less than 5M

Installation Cost	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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	2,206 / 24.640	580 / 4.524	547 / 7.439	489 / 6.705	0 / 0.000	489 / 6.705	- / -	- / -	- / -	- / -	- / -	3,822 / 43.308
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	2,206 / 24.640	580 / 4.524	547 / 7.439	489 / 6.705	0 / 0.000	489 / 6.705	- / -	- / -	- / -	- / -	- / -	3,822 / 43.308

Installation Schedule

	PYS	FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				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	2,206	147	145	142	146	145	139	133	130	129	124	118	118	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	2,206	147	145	142	146	145	139	133	130	129	124	118	118	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 9 / E/F & EA-18G Correction of Operational Discrepancies (OSIP 14-03)

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

Installation 2 of 17: ECP-5073: Retrofit of the Trailing Edge Flap Fastener Hole Cold Working

Manufacturer Information

Manufacturer Name: CKA - ECP 5073 Retrofit of the Trailing Edge Flap Fastener Hole Cold Working

Manufacturer Location: Orange Park, FL

Administrative Leadtime *(in Months)*: 3

Production Leadtime *(in Months)*: 10

Dates	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Contract Dates		Jan 2017	Jan 2018				
Delivery Dates		Oct 2017	Oct 2018				

Installation Information

Method of Implementation: Navy Drive-In Modification:: Installation Name: ECP-5073: Retrofit of the Trailing Edge Flap Fastene

Installation Cost	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	35 / 0.226	0 / 0.000	35 / 0.226	- / -	- / -	- / -	- / -	- / -	35 / 0.226
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	35 / 0.226	0 / 0.000	35 / 0.226	- / -	- / -	- / -	- / -	- / -	35 / 0.226

Installation Schedule

	PYS	FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				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	-	-	-	-	-	-	-	-	-	8	9	9	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	-	-	-	-	-	-	-	-	-	8	9	9	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 9 / E/F & EA-18G Correction of Operational Discrepancies (OSIP 14-03)

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

Installation 3 of 17: ECP-6227C2/C3 Inlet Nacelle Bleed Plate Crack

Manufacturer Information

Manufacturer Name: Boeing - ECP-6227C2/C3 Inlet Nacelle Bleed Plate Crack | Manufacturer Location: St. Louis, MO

Administrative Leadtime *(in Months)*: 9 | Production Leadtime *(in Months)*: 22

Dates	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Contract Dates	Jun 2016		Jun 2018				
Delivery Dates	Apr 2018		Apr 2020				

Installation Information

Method of Implementation: Navy Drive-In Modification:: Installation Name: ECP-6227C2/C3 Inlet Nacelle Bleed Plate Crack

Installation Cost	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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	4 / 0.180	24 / 1.087	72 / 3.320	44 / 2.068	0 / 0.000	44 / 2.068	- / -	- / -	- / -	- / -	- / -	144 / 6.655
FY 2016	- / -	- / -	- / -	28 / 1.312	0 / 0.000	28 / 1.312	- / -	- / -	- / -	- / -	- / -	28 / 1.312
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	4 / 0.180	24 / 1.087	72 / 3.320	72 / 3.380	0 / 0.000	72 / 3.380	- / -	- / -	- / -	- / -	- / -	172 / 7.967

Installation Schedule

	PYS	FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				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	4	6	6	6	6	18	18	18	18	22	22	14	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	4	6	6	6	6	18	18	18	18	22	22	14	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 9 / E/F & EA-18G Correction of Operational Discrepancies (OSIP 14-03)

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

Installation 4 of 17: ECP-6234C1 Horizontal Stabilator/Fuselage Rubbing

Manufacturer Information

Manufacturer Name: Boeing - ECP 6234/C1 Horizontal Stabilator/Fuselage Rubbing

Manufacturer Location: St. Louis, MO

Administrative Leadtime *(in Months)*: 12

Production Leadtime *(in Months)*: 12

Dates	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Contract Dates		Oct 2017	Oct 2018				
Delivery Dates		Oct 2018	Oct 2019				

Installation Information

Method of Implementation: Navy Drive-In Modification:: Installation Name: ECP-6234C1 Horizontal Stabilator/Fuselage Rubbing

Installation Cost	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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	- / -	- / -	- / -	30 / 0.298	0 / 0.000	30 / 0.298	- / -	- / -	- / -	- / -	- / -	30 / 0.298
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	30 / 0.298	0 / 0.000	30 / 0.298	- / -	- / -	- / -	- / -	- / -	30 / 0.298

Installation Schedule

	PYS	FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				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	-	-	-	-	-	-	-	-	-	7	7	8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	-	-	-	-	-	-	-	-	-	7	7	8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 9 / E/F & EA-18G Correction of Operational Discrepancies (OSIP 14-03)

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

Installation 5 of 17: ECP-6240R1 / FT50 18K MLG Sidebrace Fitting Failure

Manufacturer Information

Manufacturer Name: Boeing - ECP 6240R1 FT50 18K MLG Sidebrace Fitting Failure

Manufacturer Location: St. Louis, MO

Administrative Leadtime *(in Months)*: 12

Production Leadtime *(in Months)*: 36

Dates	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Contract Dates	Oct 2016	Oct 2017					
Delivery Dates	Oct 2019	Oct 2020					

Installation Information

Method of Implementation: Navy Drive-In Modification:: Installation Name: ECP-6240R1 / FT50 18K MLG Sidebrace Fitting Failure

Installation Cost	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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	- / -	- / -	72 / 3.828	72 / 3.897	0 / 0.000	72 / 3.897	- / -	- / -	- / -	- / -	- / -	144 / 7.725
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	72 / 3.828	72 / 3.897	0 / 0.000	72 / 3.897	- / -	- / -	- / -	- / -	- / -	144 / 7.725

Installation Schedule

	PYS	FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				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	-	-	-	-	-	18	18	18	18	18	18	18	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	-	-	-	-	-	18	18	18	18	18	18	18	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 9 / E/F & EA-18G Correction of Operational Discrepancies (OSIP 14-03)

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

Installation 6 of 17: ECP-6394R1: F/A-18E/F Horizontal Stab Gang Channel Corrosion-AYC-1682

Manufacturer Information

Manufacturer Name: Boeing - ECP 6394R1 F/A-18E/F Horizontal Stab Gang Channel Corrosion

Manufacturer Location: St Louis, MO

Administrative Leadtime *(in Months)*: 3

Production Leadtime *(in Months)*: 3

Dates	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Contract Dates		Dec 2016	Dec 2017				
Delivery Dates		Mar 2017	Mar 2018				

Installation Information

Method of Implementation: Navy Field Modification Team:: Installation Name: ECP-6394R1: F/A-18E/F Horizontal Stab Gang Channel

Installation Cost	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	72 / 0.173	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	72 / 0.173
FY 2018	- / -	- / -	- / -	72 / 0.176	0 / 0.000	72 / 0.176	- / -	- / -	- / -	- / -	- / -	72 / 0.176
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	72 / 0.173	72 / 0.176	0 / 0.000	72 / 0.176	- / -	- / -	- / -	- / -	- / -	144 / 0.349

Installation Schedule

	PYS	FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				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	-	-	-	-	-	-	-	36	36	-	-	36	36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	-	-	-	-	-	-	-	36	36	-	-	36	36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 9 / E/F & EA-18G Correction of Operational Discrepancies (OSIP 14-03)

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

Installation 7 of 17: ECP-6394R1 Horizontal Stabilator Gang Channel Corrosion - AYC-1717

Manufacturer Information

Manufacturer Name: Boeing - ECP-6394R1 Horizontal Stabilator Gang Channel Corrosion - AYC-1717 | Manufacturer Location: St Louis, MO

Administrative Leadtime *(in Months)*: 6 | Production Leadtime *(in Months)*: 18

Dates	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Contract Dates	Mar 2016		Mar 2018				
Delivery Dates	Oct 2017		Oct 2019				

Installation Information

Method of Implementation: Navy Field Modification Team:: Installation Name: ECP-6394R1 Horizontal Stabilator Gang Channel Cor

Installation Cost	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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	- / -	- / -	92 / 1.099	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	92 / 1.099
FY 2016	- / -	- / -	- / -	90 / 1.119	0 / 0.000	90 / 1.119	- / -	- / -	- / -	- / -	- / -	90 / 1.119
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	92 / 1.099	90 / 1.119	0 / 0.000	90 / 1.119	- / -	- / -	- / -	- / -	- / -	182 / 2.218

Installation Schedule

	PYS	FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				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	-	-	-	-	-	23	23	23	23	23	23	22	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	-	-	-	-	-	23	23	23	23	23	23	22	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 9 / E/F & EA-18G Correction of Operational Discrepancies (OSIP 14-03)

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

Installation 8 of 17: ECP-6416 Environment Control Sys Anti-Ice Duct Bracket

Manufacturer Information

Manufacturer Name: Boeing - ECPs 6416 Environmental Control Sys Anti-Ice Duct Bracket

Manufacturer Location: St. Louis, MO

Administrative Leadtime *(in Months)*: 12

Production Leadtime *(in Months)*: 24

Dates	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: Navy Drive-In Modification:: Installation Name: ECP-6416 Environment Control Sys Anti-Ice Duct Brack

Installation Cost	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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	- / -	- / -	72 / 0.456	72 / 0.464	0 / 0.000	72 / 0.464	- / -	- / -	- / -	- / -	- / -	144 / 0.920
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	72 / 0.456	72 / 0.464	0 / 0.000	72 / 0.464	- / -	- / -	- / -	- / -	- / -	144 / 0.920

Installation Schedule

	PYS	FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				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	-	-	-	-	-	18	18	18	18	18	18	18	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	-	-	-	-	-	18	18	18	18	18	18	18	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 9 / E/F & EA-18G Correction of Operational Discrepancies (OSIP 14-03)

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

Installation 9 of 17: ECP-6430 Enhancement of the Aft Pivot Support Fitting

Manufacturer Information

Manufacturer Name: Boeing - ECP 6430 Enhancement of the Aft Pivot Support Fitting

Manufacturer Location: St. Louis, MO

Administrative Leadtime *(in Months)*: 12

Production Leadtime *(in Months)*: 24

Dates	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: Navy Field Modification Team:: Installation Name: ECP-6430 Enhancement of the Aft Pivot Support Fitt

Installation Cost	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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	- / -	36 / 2.452	72 / 4.992	72 / 5.082	0 / 0.000	72 / 5.082	- / -	- / -	- / -	- / -	- / -	180 / 12.526
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	36 / 2.452	72 / 4.992	72 / 5.082	0 / 0.000	72 / 5.082	- / -	- / -	- / -	- / -	- / -	180 / 12.526

Installation Schedule

	PYS	FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				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	-	9	9	9	9	18	18	18	18	18	18	18	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	-	9	9	9	9	18	18	18	18	18	18	18	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 9 / E/F & EA-18G Correction of Operational Discrepancies (OSIP 14-03)

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

Installation 10 of 17: GRP: E/F/G Concurrent Installs

Manufacturer Information

Manufacturer Name: Various - E/F/G Concurrent Installs | Manufacturer Location: Various

Administrative Leadtime *(in Months)*: 9 | Production Leadtime *(in Months)*: 4

Dates	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Contract Dates		Jun 2017	Jun 2018				
Delivery Dates		Oct 2017	Oct 2018				

Installation Information

Method of Implementation: [none specified]:: Installation Name: E/F/G Concurrent Installs

Installation Cost	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	360 / 2.206	0 / 0.000	360 / 2.206	- / -	- / -	- / -	- / -	- / -	360 / 2.206
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	360 / 2.206	0 / 0.000	360 / 2.206	- / -	- / -	- / -	- / -	- / -	360 / 2.206

Installation Schedule

	PYS	FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				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	-	-	-	-	-	-	-	-	-	90	90	90	90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	-	-	-	-	-	-	-	-	-	90	90	90	90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 9 / E/F & EA-18G Correction of Operational Discrepancies (OSIP 14-03)

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

Installation 11 of 17: GRP: E/F Concurrent Installs

Manufacturer Information

Manufacturer Name: Various - E/F Concurrent Installs | Manufacturer Location: Various

Administrative Leadtime *(in Months)*: 9 | Production Leadtime *(in Months)*: 4

Dates	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Contract Dates		Jun 2017	Jun 2018				
Delivery Dates		Oct 2017	Oct 2018				

Installation Information

Method of Implementation: [none specified]:: Installation Name: E/F Concurrent Installs

Installation Cost	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	216 / 1.483	0 / 0.000	216 / 1.483	- / -	- / -	- / -	- / -	- / -	216 / 1.483
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	216 / 1.483	0 / 0.000	216 / 1.483	- / -	- / -	- / -	- / -	- / -	216 / 1.483

Installation Schedule

	PYS	FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				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	-	-	-	-	-	-	-	-	-	54	54	54	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	-	-	-	-	-	-	-	-	-	54	54	54	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 9 / E/F & EA-18G Correction of Operational Discrepancies (OSIP 14-03)

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

Installation 12 of 17: ECP-6475 Aux Power Unit Hydraulic Accumulator Support Bracket

Manufacturer Information

Manufacturer Name: Boeing - ECP-6475 Aux Power Unit Hydraulic Accumulator Support Bracket | Manufacturer Location: St Louis, MO

Administrative Leadtime *(in Months)*: 3 | Production Leadtime *(in Months)*: 3

Dates	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Contract Dates		Dec 2016					
Delivery Dates		Mar 2017					

Installation Information

Method of Implementation: Navy Drive-in Modification:: Installation Name: ECP-6475 Aux Power Unit Hydraulic Accumulator Suppor

Installation Cost	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	72 / 1.558	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	72 / 1.558
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	72 / 1.558	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	72 / 1.558

Installation Schedule

	PYS	FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				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	-	-	-	-	-	-	-	36	36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	-	-	-	-	-	-	-	36	36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 9 / E/F & EA-18G Correction of Operational Discrepancies (OSIP 14-03)

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

Installation 13 of 17: ECP-6480: Navy Flight Demo Squadron (Blue Angels) Super Hornet

Manufacturer Information

Manufacturer Name: Various - ECP-6480: Navy Flight Demo Squadron (Blue Angels) Super Hornet | Manufacturer Location: Various

Administrative Leadtime *(in Months)*: 10 | Production Leadtime *(in Months)*: 36

Dates	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Contract Dates		Jul 2017					
Delivery Dates		Jul 2020					

Installation Information

Method of Implementation: Navy Field Modification Team:: Installation Name: ECP-6480: Navy Flight Demo Squadron (Blue Angels)

Installation Schedule

		FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022					
	PYS	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	TC	Tot
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 9 / E/F & EA-18G Correction of Operational Discrepancies (OSIP 14-03)

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

Installation 14 of 17: ECP-6487: Retrofit to Address Y491 Bulkhead Cracks

Manufacturer Information

Manufacturer Name: Boeing - ECP-6487: Retrofit to Address Y491 Bulkhead Cracks | Manufacturer Location: St Louis, MO

Administrative Leadtime *(in Months)*: 6 | Production Leadtime *(in Months)*: 18

Dates	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Contract Dates			Mar 2018				
Delivery Dates			Oct 2019				

Installation Information

Method of Implementation: Navy Field Modification Team:: Installation Name: ECP-6487: Retrofit to Address Y491 Bulkhead Cracks

Installation Schedule

	PYS	FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 9 / E/F & EA-18G Correction of Operational Discrepancies (OSIP 14-03)

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

Installation 15 of 17: Fatigue Test (FT) 50 (Structures) Prior Year ECPs

Manufacturer Information

Manufacturer Name: Various - Fatigue Test (FT) 50 (Structures) Prior Year ECPs

Manufacturer Location: Various

Administrative Leadtime *(in Months)*: 9

Production Leadtime *(in Months)*: 24

Dates	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: Navy Drive-In Modification:: Installation Name: Fatigue Test (FT) 50 (Structures) Prior Year ECPs

Installation Cost	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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	1,735 / 10.471	349 / 6.494	297 / 10.791	268 / 10.700	0 / 0.000	268 / 10.700	- / -	- / -	- / -	- / -	- / -	2,649 / 38.456
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	1,735 / 10.471	349 / 6.494	297 / 10.791	268 / 10.700	0 / 0.000	268 / 10.700	- / -	- / -	- / -	- / -	- / -	2,649 / 38.456

Installation Schedule

	PYS	FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				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	1,735	87	87	87	88	74	74	74	75	67	67	67	67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	1,735	87	87	87	88	74	74	74	75	67	67	67	67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 9 / E/F & EA-18G Correction of Operational Discrepancies (OSIP 14-03)

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

Installation 16 of 17: Fatigue Test (FT) 76/77/78 (Wing) Prior Year ECPs

Manufacturer Information

Manufacturer Name: Various - Fatigue Test (FT) 76/77/78 (Wing) Prior Year ECPs

Manufacturer Location: Various

Administrative Leadtime *(in Months)*: 9

Production Leadtime *(in Months)*: 24

Dates	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: Navy Drive-in Modification:: Installation Name: Fatigue Test (FT) 76/77/78 (Wing) Prior Year ECPs

Installation Cost	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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	329 / 17.972	135 / 12.532	137 / 8.119	104 / 7.624	0 / 0.000	104 / 7.624	- / -	- / -	- / -	- / -	- / -	705 / 46.247
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	329 / 17.972	135 / 12.532	137 / 8.119	104 / 7.624	0 / 0.000	104 / 7.624	- / -	- / -	- / -	- / -	- / -	705 / 46.247

Installation Schedule

	PYS	FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				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	329	33	34	34	34	34	34	34	35	26	26	26	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	329	33	34	34	34	34	34	34	35	26	26	26	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 9 / E/F & EA-18G Correction of Operational Discrepancies (OSIP 14-03)

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

Installation 17 of 17: Main Landing Gear (MLG) Prior Year ECPs

Manufacturer Information

Manufacturer Name: Various - Main Landing Gear (MLG) Prior Year ECPs | Manufacturer Location: Various

Administrative Leadtime *(in Months)*: 9 | Production Leadtime *(in Months)*: 24

Dates	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: Navy Drive-In Modification:: Installation Name: Main Landing Gear (MLG) Prior Year ECPs

Installation Cost	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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	166 / 0.737	4 / 0.024	6 / 0.024	6 / 0.025	0 / 0.000	6 / 0.025	- / -	- / -	- / -	- / -	- / -	182 / 0.810
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	166 / 0.737	4 / 0.024	6 / 0.024	6 / 0.025	0 / 0.000	6 / 0.025	- / -	- / -	- / -	- / -	- / -	182 / 0.810

Installation Schedule

		FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022					
	PYS	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	TC	Tot
In	166	1	1	1	1	3	3	-	-	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	166	1	1	1	1	3	3	-	-	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Footnotes:

(28) ECP-6231 kits were purchased under OSIP 19-01

(29) ECP-6394R1 AYC-1682 is a drain hole, and there is no cost for kits.

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 9 / E/F & EA-18G Correction of Operational Discrepancies (OSIP 14-03)
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	

(30) This cost element includes the following ECPs related to Fatigue Test (FT) 50 for Structures: ECP-6183R1 FT50 Failure of Upper Wing Skin Splice Plate; ECP-6239R1 FT50 18K Fuselage Outboard Formal @Y679 Failure; ECP-6247R1 FT50 18K Y520 Former Cracks at Lower Drop Link; ECP-6266 FT50 18K Y555.5 and Y568 Former Cracks at Keel Longeron Life Limit; ECP-6303R1 FT50 18K Y577 Former Redesign; ECP-6304R1 FT50 18K Web and Wing Drag Longeron Redesign; ECP-6306R1 FT50 18K Y618 Inboard Former (74A342314) Redesign; ECP-6326 FT50 Fuel Barrier Web at Y510; ECP-6408C1 F/A-18 E/F FT50 Y233 Bulkhead Z90 Floor Attachment Retrofit; ECP-6411 F/A-18 E/F FT50 Inner-Wing Upper Splice Fitting @ Aft Fastner Skin on

(31) This cost element includes the following ECPs related to Fatigue Tests (FTs) 76/77/78 for Wings: ECP-6243 FT76 Jackpoint Support Fitting Life Limit; ECP-6275C1 FT77 Wing Inboard Closure Rib Life Limit; ECP-6282 FT77 Wing Pylon Changes; ECP-6285C1: FT77 Lower Wing Skin Splice Fitting Life Limit; ECP-6292 FT76 Avionics Bay 3 & 4 Door Hinges ECP-6295 FT77 Wing Spar 6 Life Limit; ECP-6309 FT77 Retrofit ECP for the Outer Wing; ECP-6341 FT77/78 Aileron Retrofit

(32) This cost element includes the following ECPs related to the Main Landing Gear (MLG): ECP-6104 MLG Door Bushing Migration ECP-6194 MLG Trunnion Bearing Loose Retention Nut ECP-6196C1 MLG R/H Upper Planing Link Attach Fitting Failure

(33) Software funding in FY17 is for ECP-6480: Navy Flight Demo Squadron (Blue Angels) Super Hornet.

(34) FY17 funding includes funding for ECP-6480: Navy Flight Demo Squadron (Blue Angels) Super Hornet.

(35) Installation costs vary by FY due to different ECPs being installed.

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 10 / Core Avionics Improvements / Upgrades (OSIP 023-04)
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	

Resource Summary	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	259.847	85.317	68.480	70.633	0.000	70.633	-	-	-	-	-	-
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) *($ in Millions)*	259.847	85.317	68.480	70.633	0.000	70.633	-	-	-	-	-	-
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**259.847**	**85.317**	**68.480**	**70.633**	**0.000**	**70.633**	**-**	**-**	**-**	**-**	**-**	**-**
(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 Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This Operational, Safety and Improvement Program (OSIP) is required to retrofit upgrades, manage obsolescence issues, and improvements to various avionics systems that have been or are being incorporated into fleet aircraft, to provide updates to Automated Maintenance Environment (AME) and the integrated electronic technical manuals, and to provide mission planning updates. Specifically for mission planning, the F/A-18 Unique Planning Component (UPC) for the Joint Mission Planning System (JMPS) must implement frequent software changes in conjunction with aircraft modifications. The JMPS and Airborne Electronic Attack (AEA) UPC changes required in conjunction with System Configuration Set (SCS) changes must include software regression tests to ensure proper operation and integration with other aircraft systems in JMPS components, and the core mission planning equipment and software procured elsewhere within the Navy budget.

Upgrades include replacement of the Hi-8mm video tape recorder with a retrofit of Solid State Recorder (SSR) (ECP-1146-12 and ECP-6212R1) into United States Navy and Marine Corps Lot 4-25 F/A-18A+/B/C/D/E/F aircraft. Installation of the Cockpit Video Recording System (CVRS) is a mandatory pre-requisite for the SSR upgrade for F/A-18C/D. This OSIP includes the retrofit completion of the CVRS in unmodified F/A-18C/D aircraft. Upgrades also include replacement of the black and white Heads Up Display (HUD) camera with a retrofit of a color HUD camera (ECP-6491) to address technology obsolescence and configuration differences introduced by the Joint Helmet Mounted Cueing System (JHMCS) in Lot 4-11 F/A-18A-D aircraft (Lot 7-9 F/A-18A++ will require wiring modification). Installation of the SSR for Lots 23-24 F/A-18E/F (ECP-6212R1) will be performed concurrent with the upgrade retrofit installation of the Type 2 Advanced Mission Computer (AMC) and the JHMCS in OSIP 24-00. This OSIP also includes a requirement to retrofit the Deployable Flight Incident Recorder Set (DFIRS) (ECP-6273) to address component obsolescence including the search and rescue satellite aided tracking beacon. Upgrades include an F/A-18 retrofit installation of the AMC (ECP-6267R1) as a replacement for the AYK-14 computer. Upgrade includes a retrofit installation of the Advanced Capability Mission Computer (ACMC) (ECP-6459) into EA-18G aircraft. Upgrades include a retrofit of the Fiber Channel Network Switch-24 (FCNS-24) (ECP-6456) into EA-18G aircraft. Upgrades also include retrofit installation of various display hardware improvements to enable increased aircrew situational awareness such as replacement of the Multipurpose Color Display (MPCD) with MPCD Replacement (MPCDR) (ECP-6220, ECP-6220C2, ECP-6220C3) to meet hardware requirement for OFP display improvements.

Upgrades include retrofit of USMC F/A-18C/D aircraft with the ACMC, display upgrades including the left/right 5x5 advanced multi-purpose display, up-front control display-replacement, and MPCDR, stores management system upgrades, DTU and associated software and engineering requirements. The efforts will include integration of the hardware and the software as well as the Integrated Logistics Support (ILS) products. This USMC upgrade effort is funded in OSIP 23-04 through FY16 and is realigned beginning in FY17 to OSIP 21-00, where it is more appropriate.

It will also support updates to Operational Flight Program (OFP) for on-going aircraft modernization and modification efforts which necessitate periodic software releases. The procurement of SCS is not a stand alone cost but integration for the overall improvement to the end item to allow the integration of new capabilities and or performances to be complete. The SCS builds anticipated are used to support retrofit hardware configuration changes and the accompanying software change and associated testing driven by the Aircraft Procurement, Navy 5 (APN-5) funded OSIPs. SCS integration will comprise of OFP, recurring and non-recurring engineering, Naval Integrated Fire Control (NIFCA) required modifications, Link 16 Inject modifications, support equipment and simulation equipment test program sets updates, operational analysis and functional retrofit implementation of aircrew and maintenance training systems, OFP memory loader verifier set personal computer memory card international association cards, and update of SCS to allow single point loading of software from the advanced memory unit or digital memory device and associated software licenses and data rights and publication updates.

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 10 / Core Avionics Improvements / Upgrades (OSIP 023-04)
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	

The miniaturized airborne Global Positioning System (GPS) receiver retrofit implements an advanced GPS that increases platform navigation accuracy and smart weapon targeting solutions. This OSIP will implement a Precision Approach and Landing Capability (PALC) that will provide an onboard precision approach capability in the event of adverse weather conditions. The PALC requirement can be met with either the Civilian Instrument Landing System (C-ILS) or the Wide Area Augmentation System (WAAS). Efforts include verifying and validating altimetry data related to the Reduced Vertical Separation Minimum (RVSM) mandate which reduces the vertical separation between aircraft flying between FL290 (29,000 ft) and FL410 (41,000 ft) inclusive, from 2000-ft minimum to 1000-ft minimum.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:
Validation of SSR for Lot 4-11 F/A-18A-D is scheduled for fourth quarter fiscal year 2016.

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 10 / Core Avionics Improvements / Upgrades (OSIP 023-04)
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	
Models of Systems Affected: F/A-18A-F and EA-18G	**Modification Type:** Capability and Reliability Improvements	**Related RDT&E PEs:**

Financial Plan (*) Indicates the modification is being installed organically and no installation funds are required.	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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)*
Procurement												
1.1.1) ECP-6212R1 F/A-18E SSR - NonOrganic (36) *Installation 1 of 6*	40 / 0.699	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.2) ECP-6212R1 F/A-18E SSR - NonOrganic (37) *Installation 1 of 6*	56 / 1.101	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.4) ECP 1146-12 (SSR Hi8) AFC-630 Lot 12-21 C - NonOrganic *Installation 1 of 6*	276 / 2.081	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.5) ECP 1146-12 (SSR Hi8) AFC-631 Lot 12-21 D - NonOrganic *Installation 1 of 6*	115 / 1.693	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.6) ECP 1146-12 (SSR Hi8) AFC-633 Lot 18-22 E/F - NonOrganic *Installation 1 of 6*	32 / 0.308	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.3) DFIRS - Organic(*)	- / -	- / -	- / -	30 / 1.878	- / -	30 / 1.878	- / -	- / -	- / -	- / -	- / -	- / -
1.1.8) Civilian ILS A-kits - NonOrganic *Installation 2 of 6*	137 / 11.491	15 / 0.831	7 / 0.560	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.9) Type 2 Advanced Mission Computer (AMC) kits (ECP 6267R1) - NonOrganic (38) *Installation 3 of 6*	61 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.10) A-Kits Archive - Organic(*)	336 / 6.878	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.2.1) Installation Kits N/R - Organic(*)	- / 10.746	- / 0.500	- / 1.266	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
2.1.1) Stores Management Upgrade (SMUG) (ECP 6042) - NonOrganic (39) *Installation 4 of 6*	59 / 1.878	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
2.1.2) F/A-18C/D Cockpit Video Recording System (CVRS) - NonOrganic *Installation 5 of 6*	17 / 0.219	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
2.1.3) ECP 6459 Advanced Capability Mission Computer (ACMC) - Organic(*)	2 / 2.837	13 / 12.093	19 / 23.837	20 / 20.720	- / -	20 / 20.720	- / -	- / -	- / -	- / -	- / -	- / -
2.1.4) ECP 6459 ACMC Digital Computers (Lab Assets) - Organic(*)	- / -	2 / 3.777	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
2.1.5) ECP 6456 Fibre Channel Network Switch (FCNS-24) - Organic(*)	- / -	- / -	23 / 3.746	31 / 5.797	- / -	31 / 5.797	- / -	- / -	- / -	- / -	- / -	- / -
2.1.9) Civilian ILS B-kits - NonOrganic *Installation 6 of 6*	- / -	5 / 0.040	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 10 / Core Avionics Improvements / Upgrades (OSIP 023-04)
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	
Models of Systems Affected: F/A-18A-F and EA-18G	**Modification Type:** Capability and Reliability Improvements	**Related RDT&E PEs:**

Financial Plan (*) Indicates the modification is being installed organically and no installation funds are required.	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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)*
2.1.10) SCS - Organic(*)	- / 12.612	- / 14.553	- / 4.037	- / 3.698	- / -	- / 3.698	- / -	- / -	- / -	- / -	- / -	- / -
2.1.11) MP/UPC Software - Organic(*)	- / 16.719	- / 3.329	- / 4.668	- / 3.016	- / -	- / 3.016	- / -	- / -	- / -	- / -	- / -	- / -
2.1.12) 25X - Organic(*)	- / 5.467	- / 0.250	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
2.1.13) 27C (SCS) - Organic(*)	- / 9.152	- / 3.860	- / 1.479	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
2.1.14) 29C (SCS) - Organic(*)	- / -	- / 0.440	- / 0.190	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
2.1.15) H12 (SCS) - Organic(*)	- / 6.976	- / 4.714	- / 0.954	- / 0.064	- / -	- / 0.064	- / -	- / -	- / -	- / -	- / -	- / -
2.1.16) H14 (SCS) - Organic(*)	- / 2.000	- / 1.576	- / 1.668	- / 4.347	- / -	- / 4.347	- / -	- / -	- / -	- / -	- / -	- / -
2.1.17) H16 (SCS) - Organic(*)	- / -	- / 6.211	- / 2.170	- / 2.939	- / -	- / 2.939	- / -	- / -	- / -	- / -	- / -	- / -
2.1.18) H18 (SCS) - Organic(*)	- / -	- / -	- / -	- / 1.350	- / -	- / 1.350	- / -	- / -	- / -	- / -	- / -	- / -
2.1.21) ALQ-214 JMPS UPC - Organic(*)	- / -	- / 16.502	- / 2.550	- / 2.601	- / -	- / 2.601	- / -	- / -	- / -	- / -	- / -	- / -
2.1.22) B-Kits Archive - Organic(*)	906 / 82.516	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
2.2.1) Installation Equipment N/R - Organic(*) (40)	- / 21.594	- / 2.967	- / 2.548	- / 6.465	- / -	- / 6.465	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Procurement	*- / 196.967*	*- / 71.643*	*- / 49.673*	*- / 52.875*	*- / -*	*- / 52.875*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*
Support												
3.1) Engineering Change Orders	- / 1.440	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.2) Data	- / 8.243	- / -	- / 0.151	- / 0.104	- / -	- / 0.104	- / -	- / -	- / -	- / -	- / -	- / -
3.3) Training Equipment	- / 1.904	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.4) Support Equipment	- / 5.995	- / 0.366	- / 0.560	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.5) ILS	- / 12.363	- / 2.069	- / 1.605	- / 1.634	- / -	- / 1.634	- / -	- / -	- / -	- / -	- / -	- / -
3.6) Other Support	- / 29.127	- / 8.929	- / 11.829	- / 12.042	- / -	- / 12.042	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support	*- / 59.072*	*- / 11.364*	*- / 14.145*	*- / 13.780*	*- / -*	*- / 13.780*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*
Installation												
Installation 1 of 6: GRP: SSR Mod Installs	- / 0.410	- / 0.484	- / 0.289	- / 0.168	- / 0.000	- / 0.168	- / -	- / -	- / -	- / -	- / -	- / 1.351
Installation 2 of 6: Civilian ILS A-kits	- / 1.821	- / 0.827	- / 1.596	- / 0.499	- / 0.000	- / 0.499	- / -	- / -	- / -	- / -	- / -	- / 4.743
Installation 3 of 6: Type 2 Advanced Mission Computer (AMC) kits (ECP 6267R1)	- / 1.349	- / 0.994	- / 2.500	- / 3.298	- / 0.000	- / 3.298	- / -	- / -	- / -	- / -	- / -	- / 8.141
Installation 4 of 6: Stores Management Upgrade (SMUG) (ECP 6042)	- / 0.003	- / 0.005	- / 0.012	- / 0.013	- / 0.000	- / 0.013	- / -	- / -	- / -	- / -	- / -	- / 0.033

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 10 / Core Avionics Improvements / Upgrades (OSIP 023-04)
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	
Models of Systems Affected: F/A-18A-F and EA-18G	**Modification Type:** Capability and Reliability Improvements	**Related RDT&E PEs:**

Financial Plan (*) Indicates the modification is being installed organically and no installation funds are required.	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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)*
Installation 5 of 6: F/A-18C/D Cockpit Video Recording System (CVRS)	- / 0.225	- / -	- / 0.075	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.300
Installation 6 of 6: Civilian ILS B-kits	- / -	- / -	- / 0.190	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.190
Subtotal: Installation	*- / 3.808*	*- / 2.310*	*- / 4.662*	*- / 3.978*	*- / -*	*- / 3.978*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*
Total												
Total Cost (Procurement + Support + Installation)	**259.847**	**85.317**	**68.480**	**70.633**	**0.000**	**70.633**	**-**	**-**	**-**	**-**	**-**	**-**

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 10 / Core Avionics Improvements / Upgrades (OSIP 023-04)

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

Installation 1 of 6: GRP: SSR Mod Installs

Manufacturer Information

Manufacturer Name: Various - SSR Mod Installs | Manufacturer Location: Various

Administrative Leadtime *(in Months)*: 12 | Production Leadtime *(in Months)*: 31

Dates	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: [none specified]:: Installation Name: SSR Mod Installs

Installation Cost	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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	37 / 0.410	417 / 0.484	44 / 0.289	15 / 0.168	0 / 0.000	15 / 0.168	- / -	- / -	- / -	- / -	- / -	513 / 1.351
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	37 / 0.410	417 / 0.484	44 / 0.289	15 / 0.168	0 / 0.000	15 / 0.168	- / -	- / -	- / -	- / -	- / -	513 / 1.351

Installation Schedule

		FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022					
	PYS	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	TC	Tot
In	37	101	103	106	107	17	8	9	10	5	3	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	37	101	103	106	107	17	8	9	10	5	3	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 10 / Core Avionics Improvements / Upgrades (OSIP 023-04)

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

Installation 2 of 6: Civilian ILS A-kits

Manufacturer Information

Manufacturer Name: Boeing - Civilian ILS | Manufacturer Location: St Louis, MO

Administrative Leadtime *(in Months)*: 12 | Production Leadtime *(in Months)*: 7

Dates	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Contract Dates	Oct 2016	Oct 2017					
Delivery Dates	Apr 2017	Apr 2018					

Installation Information

Method of Implementation: Navy Drive-In Modification:: Installation Name: Civilian ILS A-kits

Installation Cost	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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	83 / 1.821	22 / 0.827	32 / 1.216	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	137 / 3.864
FY 2016	- / -	- / -	10 / 0.380	5 / 0.210	0 / 0.000	5 / 0.210	- / -	- / -	- / -	- / -	- / -	15 / 0.590
FY 2017	- / -	- / -	- / -	7 / 0.289	0 / 0.000	7 / 0.289	- / -	- / -	- / -	- / -	- / -	7 / 0.289
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	83 / 1.821	22 / 0.827	42 / 1.596	12 / 0.499	0 / 0.000	12 / 0.499	- / -	- / -	- / -	- / -	- / -	159 / 4.743

Installation Schedule

		FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022					
	PYS	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	TC	Tot
In	83	-	-	6	16	10	11	16	5	5	-	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	83	-	-	6	16	10	11	16	5	5	-	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 10 / Core Avionics Improvements / Upgrades (OSIP 023-04)

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

Installation 3 of 6: Type 2 Advanced Mission Computer (AMC) kits (ECP 6267R1)

Manufacturer Information

Manufacturer Name: N/A - Type 2 Advanced Mission Computer (AMC) kits | Manufacturer Location: N/A

Administrative Leadtime *(in Months)*: 0 | Production Leadtime *(in Months)*: 0

Dates	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: Navy Field Modification Team:: Installation Name: Type 2 Advanced Mission Computer (AMC) kits (ECP 6

Installation Cost	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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	6 / 1.349	7 / 0.994	17 / 2.500	18 / 3.298	0 / 0.000	18 / 3.298	- / -	- / -	- / -	- / -	- / -	48 / 8.141
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	6 / 1.349	7 / 0.994	17 / 2.500	18 / 3.298	0 / 0.000	18 / 3.298	- / -	- / -	- / -	- / -	- / -	48 / 8.141

Installation Schedule

	PYS	FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				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	6	2	2	2	1	5	4	4	4	4	4	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	6	2	2	2	1	5	4	4	4	4	4	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 10 / Core Avionics Improvements / Upgrades (OSIP 023-04)

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

Installation 4 of 6: Stores Management Upgrade (SMUG) (ECP 6042)

Manufacturer Information

Manufacturer Name: General Electric (SMUG ECP 6042) | Manufacturer Location: Grand Rapids, MI

Administrative Leadtime *(in Months)*: 3 | Production Leadtime *(in Months)*: 6

Dates	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: Drive-In Modification:: Installation Name: Stores Management Upgrade (SMUG) (ECP 6042)

Installation Cost	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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	6 / 0.003	7 / 0.005	17 / 0.012	18 / 0.013	0 / 0.000	18 / 0.013	- / -	- / -	- / -	- / -	- / -	48 / 0.033
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	6 / 0.003	7 / 0.005	17 / 0.012	18 / 0.013	0 / 0.000	18 / 0.013	- / -	- / -	- / -	- / -	- / -	48 / 0.033

Installation Schedule

	PYS	FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				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	6	2	2	2	1	4	4	4	5	4	4	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	6	2	2	2	1	4	4	4	5	4	4	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 10 / Core Avionics Improvements / Upgrades (OSIP 023-04)

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

Installation 5 of 6: F/A-18C/D Cockpit Video Recording System (CVRS)

Manufacturer Information

Manufacturer Name: Boeing - F/A-18C/D Cockpit Video Recording System (CVRS) | Manufacturer Location: St Louis, MO

Administrative Leadtime *(in Months)*: 12 | Production Leadtime *(in Months)*: 8

Dates	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: Navy Drive-In Modification:: Installation Name: F/A-18C/D Cockpit Video Recording System (CVRS)

Installation Cost	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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	13 / 0.225	- / -	4 / 0.075	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	17 / 0.300
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	13 / 0.225	- / -	4 / 0.075	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	17 / 0.300

Installation Schedule

	PYS	FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				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	13	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	13	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 10 / Core Avionics Improvements / Upgrades (OSIP 023-04)

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

Installation 6 of 6: Civilian ILS B-kits

Manufacturer Information

Manufacturer Name: Boeing - Civilian ILS B-kits | Manufacturer Location: St Louis, MO

Administrative Leadtime *(in Months)*: 6 | Production Leadtime *(in Months)*: 7

Dates	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Contract Dates	Mar 2016						
Delivery Dates	Oct 2016						

Installation Information

Method of Implementation: Navy Field Modification Team:: Installation Name: Civilian ILS B-kits

Installation Cost	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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 2016	- / -	- / -	5 / 0.190	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.190
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	5 / 0.190	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.190

Installation Schedule

	PYS	FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				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	-	-	-	-	-	1	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	-	-	-	-	-	1	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Footnotes:

(36) ECP-6212R1 installs were realigned to match concurrent install schedule with Type 2 AMC (ECP-6267R1). ECP-6212R1 (AFC-557) applies to E/F Lots 23-25, and is dependent upon Type II Mission Computer prerequisite install from ECP-6267R1 (AFC-507 Lot 25 and AFC-506 Lot 23-24). AFC-507 is complete for E/F. AFC-506 has experienced significant delays due to the complexity of the aircraft

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 10 / Core Avionics Improvements / Upgrades (OSIP 023-04)
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	

modification. AFC-557 val/ver activity closed in FY14 enabling issuance of the technical directive to begin installs in Lot 25E/F. AFC-506 was released in FY15 for Lot 23-24 E/F and installs have been scheduled to coincide with AFC-557.

(37) ECP-6212R1 installs were realigned to match concurrent install schedule with Type 2 AMC (ECP-6267R1). ECP-6212R1 (AFC-557) applies to E/F Lots 23-25, and is dependent upon Type II Mission Computer prerequisite install from ECP-6267R1 (AFC-507 Lot 25 and AFC-506 Lot 23-24). AFC-507 is complete for E/F. AFC-506 has experienced significant delays due to the complexity of the aircraft modification. AFC-557 val/ver activity closed in FY14 enabling issuance of the technical directive to begin installs in Lot 25E/F. AFC-506 was released in FY15 for Lot 23-24 E/F and installs have been scheduled to coincide with AFC-557.

(38) Type 2 AMC A-kits were procured under BLI 05770 and are being installed under BLI 05250. Type 2 AMC B-kits have been removed from aircraft and replaced with Type 3 AMC kits, so there is no cost for B-kits. The B-kits are O-level installs so there is no associated install cost or schedule for B-kits.

(39) Kits were procured as a Life of Type Buy in FY14.

(40) In FY17, non-recurring engineering funding for ECP 634 (USMC HOL) was realigned from OSIP 23-04 to OSIP 21-00, where it is more appropriate.

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 12 / AESA/AN-APG-65/AN-APG-73 (OSIP 002-07)
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	

Resource Summary	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	838.047	110.818	148.546	197.762	0.000	197.762	-	-	-	-	-	-
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) *($ in Millions)*	838.047	110.818	148.546	197.762	0.000	197.762	-	-	-	-	-	-
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**838.047**	**110.818**	**148.546**	**197.762**	**0.000**	**197.762**	**-**	**-**	**-**	**-**	**-**	**-**
(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 Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The F/A-18E/F and EA-18G program has developed and integrated the APG-79 Active Electronically Scanned Array (AESA) radar system for installation in Lot 26 and subsequent Block II, Super Hornet and Growler aircraft. The integration of the APG-79 AESA radar system into the F/A-18E /F and EA-18G greatly improves the weapon system's threat detection range, high resolution synthetic aperture radar ground mapping and targeting capability, aircraft survivability and situational awareness. APG-79 AESA Radar Producibilty Enhancement (ECP 6279) is an umbrella ECP and is comprised of Electro Magnetic Interference Upgrades (ECP 6298), Waveform Generator Firmware Upgrade (ECP 6329), and Power Conditioning Unit Upgrade to -120 (ECP 6314). The Configuration D upgrade includes the following ECPs: General Purpose Processor (GPP)3 (ECP 6381); 5th and 6th Channel (ECP 6344); Waveform Generator (ECP 6346), Waveform Generator- R2 Firmware (ECP 6346R2), and General Purpose Processor (GPP)3 General Purpose Controller (GPC) (ECP 6381). Corrections, modifications, and upgrades to Radar software is supported in compliance with system configuration set (SCS) builds.

This Operational, Safety and Improvement Program (OSIP) also includes recurring and non-recurring efforts for reliability and operational safety improvements to, as well as obsolescence mitigation for, the APG-65 and APG-73 radars. These efforts include: retrofit incorporation of APG-73 into F/A-18 A+C/D- AFC 585 Kits (ECP 620), Modification of radar ON-500/USM interconnecting group Operational Test Program Set (OTPS) plug in unit radio frequency cables (ECP 1132-11), modification of radar ON-451/USM interconnecting group Shop Replaceable Assembly (SRA) OTPS (ECP 1133-11), incorporation of radar ON-415/USM interconnecting group OTPS plug in unit extender cables (ECP 1134-11), incorporation of radar ON-415/USM interconnecting group receiver test program set extender cables (ECP 1135-11), modification of F/A-18 APG-73 radar receiver 2A2 SRA Part Number (P/N) 5144070-10 TO P/N 5144070-20 (ECP 1190-15), modification of F/A-18 APG-73 radar power supply 7A1 SRA (ECP 1198-16), and obsolete microcircuit upgrade (ECP 1187-15).

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:
Forward fit of the APG-79 AESA radar system began with 8 units in Lot 27, 12 units in Lot 28 and 22 units in Lot 29. Beginning in Lot 30, all F/A-18 E/F and EA-18G aircraft will be delivered with the APG-79 AESA radar. This OSIP includes the retrofit of the APG-79 AESA system into 133 Lot 26-29 F/A-18E/F aircraft originally delivered with APG-73. Obsolescence is included for the APG-79 AESA to address non-recurring activities driven by vanishing suppliers and limited military demand for commercial parts/components. The procurement of kits commenced in FY 2008 with the first installation occurring in FY 2009.

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 12 / AESA/AN-APG-65/AN-APG-73 (OSIP 002-07)
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	
Models of Systems Affected: F/A-18A-F and EA-18G	**Modification Type:** AVIONICS UPGRADE	**Related RDT&E PEs:**

Financial Plan (*) Indicates the modification is being installed organically and no installation funds are required.	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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)*
Procurement												
1.1.1) Radome (ECP-6038) - NonOrganic *Installation 1 of 3*	118 / 37.493	13 / 4.786	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.2) Archived A Kits - Organic(*)	30 / 0.562	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.3) Prior Year installs - Organic(*)	30 / 0.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.2.1) Installation Kits N/R - Organic(*)	- / 5.880	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
2.1.1) Retrofit radars (APG-79B) - Organic(*) (41)	117 / 327.067	23 / 69.030	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
2.1.2) Modules Kits (WRAs) (ECP-6279) - NonOrganic (42) *Installation 2 of 3*	167 / 69.660	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
2.1.3) GPP3 (ECP 6381) - Organic(*)	12 / 3.882	- / -	59 / 24.072	145 / 60.030	- / -	145 / 60.030	- / -	- / -	- / -	- / -	- / -	- / -
2.1.4) 5th and 6th Channel (ECP 6344) - NonOrganic *Installation 3 of 3*	12 / 2.290	- / -	59 / 22.715	145 / 56.695	- / -	145 / 56.695	- / -	- / -	- / -	- / -	- / -	- / -
2.1.5) Waveform Generator HW (ECP 6346) - Organic(*)	12 / 1.576	- / -	59 / 7.847	145 / 19.575	- / -	145 / 19.575	- / -	- / -	- / -	- / -	- / -	- / -
2.1.6) Waveform Generator FW (ECP 6346) - Organic(*)	- / -	- / -	- / -	95 / 1.140	- / -	95 / 1.140	- / -	- / -	- / -	- / -	- / -	- / -
2.1.7) APG-65/73 obsolescence - Organic(*) (43)	- / 2.461	- / -	- / 1.034	- / 1.250	- / -	- / 1.250	- / -	- / -	- / -	- / -	- / -	- / -
2.1.8) Radar ON-451/USM Interconnecting Group SRA OTPSS (ECP1133-11) - Organic(*)	- / -	5 / 0.674	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
2.1.9) APG-79 obsolescence - Organic(*) (44)	- / 4.399	- / -	- / 18.981	- / 1.429	- / -	- / 1.429	- / -	- / -	- / -	- / -	- / -	- / -
2.1.10) H12 (SCS) - Organic(*)	- / 2.318	- / -	- / 0.235	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
2.1.11) B-Kits Archive - Organic(*)	115 / 58.416	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
2.2.1) Installation Equipment N/R - Organic(*)	- / 221.153	- / 8.444	- / 27.877	- / 17.296	- / -	- / 17.296	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Procurement	*- / 737.657*	*- / 82.934*	*- / 102.761*	*- / 157.415*	*- / -*	*- / 157.415*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*
Support												
3.1) Engineering Change Orders	- / 34.268	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.2) Software - Radar Software Corrections (45)	- / -	- / 4.221	- / 4.998	- / 8.511	- / -	- / 8.511	- / -	- / -	- / -	- / -	- / -	- / -
3.3) Software - AESA Short Range Improvement S/W Upgrade (46)	- / -	- / 3.280	- / 10.281	- / 9.937	- / -	- / 9.937	- / -	- / -	- / -	- / -	- / -	- / -
3.4) Data	- / 1.739	- / 0.250	- / 0.250	- / 0.250	- / -	- / 0.250	- / -	- / -	- / -	- / -	- / -	- / -
3.5) Training Equipment	- / -	- / -	- / 1.995	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.6) Support Equipment (47)	- / 3.338	- / 9.500	- / 16.502	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.7) ILS	- / 6.420	- / 0.505	- / 0.514	- / 0.523	- / -	- / 0.523	- / -	- / -	- / -	- / -	- / -	- / -

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 12 / AESA/AN-APG-65/AN-APG-73 (OSIP 002-07)
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	
Models of Systems Affected: F/A-18A-F and EA-18G	**Modification Type:** AVIONICS UPGRADE	**Related RDT&E PEs:**

Financial Plan (*) Indicates the modification is being installed organically and no installation funds are required.	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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)*
3.8) Other Support	- / 45.202	- / 9.354	- / 9.522	- / 9.694	- / -	- / 9.694	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support	*- / 90.967*	*- / 27.110*	*- / 44.062*	*- / 28.915*	*- / -*	*- / 28.915*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*
Installation												
Installation 1 of 3: Radome (ECP-6038)	- / 0.915	- / 0.571	- / 0.319	- / 0.325	- / 0.000	- / 0.325	- / -	- / -	- / -	- / -	- / -	- / 2.130
Installation 2 of 3: Modules Kits (WRAs) (ECP-6279)	- / 8.508	- / 0.203	- / 0.204	- / 2.707	- / 0.000	- / 2.707	- / -	- / -	- / -	- / -	- / -	- / 11.622
Installation 3 of 3: 5th and 6th Channel (ECP 6344)	- / -	- / -	- / 1.200	- / 8.400	- / 0.000	- / 8.400	- / -	- / -	- / -	- / -	- / -	- / 9.600
Subtotal: Installation	*- / 9.423*	*- / 0.774*	*- / 1.723*	*- / 11.432*	*- / -*	*- / 11.432*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*
Total												
Total Cost (Procurement + Support + Installation)	**838.047**	**110.818**	**148.546**	**197.762**	**0.000**	**197.762**	**-**	**-**	**-**	**-**	**-**	**-**

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 12 / AESA/AN-APG-65/AN-APG-73 (OSIP 002-07)

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

Installation 1 of 3: Radome (ECP-6038)

Manufacturer Information

Manufacturer Name: Boeing - ECP 6038	Manufacturer Location: St Louis, MO
Administrative Leadtime *(in Months)*: 9	Production Leadtime *(in Months)*: 19

Dates	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Contract Dates	Jun 2016						
Delivery Dates	Jan 2018						

Installation Information

Method of Implementation: Navy Field Modification Team:: Installation Name: Radome (ECP-6038)

Installation Cost	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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	70 / 0.915	31 / 0.571	17 / 0.319	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	118 / 1.805
FY 2016	- / -	- / -	- / -	13 / 0.325	0 / 0.000	13 / 0.325	- / -	- / -	- / -	- / -	- / -	13 / 0.325
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	70 / 0.915	31 / 0.571	17 / 0.319	13 / 0.325	0 / 0.000	13 / 0.325	- / -	- / -	- / -	- / -	- / -	131 / 2.130

Installation Schedule

		FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022					
	PYS	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	TC	Tot
In	70	7	6	9	9	4	3	9	1	-	5	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	70	7	6	9	9	4	3	9	1	-	5	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 12 / AESA/AN-APG-65/AN-APG-73 (OSIP 002-07)

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

Installation 2 of 3: Modules Kits (WRAs) (ECP-6279)

Manufacturer Information

Manufacturer Name: Raytheon - ECP 6279 | Manufacturer Location: El Segundo, CA

Administrative Leadtime *(in Months)*: 6 | Production Leadtime *(in Months)*: 18

Dates	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: Navy Field Modification Team:: Installation Name: Modules Kits (WRAs) (ECP-6279)

Installation Cost	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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	93 / 8.508	23 / 0.203	24 / 0.204	27 / 2.707	0 / 0.000	27 / 2.707	- / -	- / -	- / -	- / -	- / -	167 / 11.622
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	93 / 8.508	23 / 0.203	24 / 0.204	27 / 2.707	0 / 0.000	27 / 2.707	- / -	- / -	- / -	- / -	- / -	167 / 11.622

Installation Schedule

		FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022					
	PYS	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	TC	Tot
In	93	5	6	6	6	6	6	6	6	6	7	7	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	93	5	6	6	6	6	6	6	6	6	7	7	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 12 / AESA/AN-APG-65/AN-APG-73 (OSIP 002-07)

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

Installation 3 of 3: 5th and 6th Channel (ECP 6344)

Manufacturer Information

Manufacturer Name: Raytheon - ECP 6344 | Manufacturer Location: El Segundo, CA

Administrative Leadtime *(in Months)*: 7 | Production Leadtime *(in Months)*: 7

Dates	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Contract Dates		Mar 2017	Mar 2018				
Delivery Dates		Oct 2017	Oct 2018				

Installation Information

Method of Implementation: FRC:: Installation Name: 5th and 6th Channel (ECP 6344)

Installation Cost	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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	- / -	- / -	12 / 1.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 1.200
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	59 / 8.400	0 / 0.000	59 / 8.400	- / -	- / -	- / -	- / -	- / -	59 / 8.400
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	12 / 1.200	59 / 8.400	0 / 0.000	59 / 8.400	- / -	- / -	- / -	- / -	- / -	71 / 9.600

Installation Schedule

	PYS	FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				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	-	-	-	-	-	-	-	6	6	14	15	15	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	-	-	-	-	-	-	-	6	6	14	15	15	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Footnotes:

(41) Radars are O-level installs and have no related install cost/schedule.

(42) ECP 6279 installs are dependent upon squadron availability and Commander, Naval Air Forces Master Air Plan.

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 12 / AESA/AN-APG-65/AN-APG-73 (OSIP 002-07)
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	

(43) Costs for obsolescence kits vary because obsolescence issues are not an ongoing effort for a single item and are not subject to inflation driven increases. The requirement for obsolescence kits was determined by evaluating historic life of type buy costs for analogous systems. These costs were projected to support future obsolescence issues in the affected components. Obsolescence efforts have been underfunded for the past, causing the program to reallocate current-year budget to cover emergent obsolescence mitigation efforts per Resource Sponsor direction. The increases from year to year are necessary to recover from several years of shortfalls.

(44) Costs for obsolescence kits vary because obsolescence issues are not an ongoing effort for a single item and are not subject to inflation driven increases. The requirement for obsolescence kits was determined by evaluating historic life of type buy costs for analogous systems. These costs were projected to support future obsolescence issues in the affected components. Obsolescence efforts have been underfunded for the past few years, causing the program to reallocate current-year budget to cover emergent obsolescence mitigation efforts per Resource Sponsor direction. The increases from year to year are necessary to recover from several years of shortfalls.

(45) There are no quantities associated with software modifications.

(46) There are no quantities associated with software modifications.

(47) FY17 funding is for depot stand up for ECP 6344.

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 14 / Network Centric Operations: (OSIP 001-10)
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	

Resource Summary	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	184.368	24.922	23.140	32.504	0.000	32.504	-	-	-	-	-	-
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) *($ in Millions)*	184.368	24.922	23.140	32.504	0.000	32.504	-	-	-	-	-	-
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**184.368**	**24.922**	**23.140**	**32.504**	**0.000**	**32.504**	**-**	**-**	**-**	**-**	**-**	**-**
(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 Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Operational, Safety and Improvement Program (OSIP) 001-10 will implement a common configuration and capability across all F/A-18A-F and EA-18G aircraft. Improving platform performance in all mission areas including Surface Warfare (SuW), air-to-air, strike, Suppression of Enemy Air Defenses (SEAD)/Defensive Electronic Counter Measurements (DECD) and interoperability which will result in a reduction of a number of aircraft and weapons to execute SuW and strike missions in most stressing scenarios, decrease in time on target to execute SuW, SEAD/DECD missions in major combat operations scenarios and will improve survivability due to decreased time on target.

The F/A-18 program has developed and integrated multiple systems to be installed in Lot 26 and subsequent block 2 aircraft. The integration of the systems: ECP 6253 - Distributed Targeting System (DTS), Distributed Targeting Processor - Network (DTP-N), ECP 6442 - Data Transfer Unit (DTU), ECP 6393 - Digital Memory Device (DMD), Advanced Navigation (ANAV), ECP 6318 - Upgraded Solid State Recorder (USSR), digital cueing systems and G4 processor, and interoperability modifications due to multifunctional information distribution system low volume terminal and digital communication system radio military-standard will greatly improve the weapon systems threat capability. This OSIP will provide for an upgraded USSR Removable Memory Module (RMM) for the EA-18G (ECP-6458). This OSIP will implement the required architecture in support of Navigation Plan 2030. The ANAV retrofit implements an advanced inertial navigation system/global positioning system that increases platform navigation accuracy and smart weapon targeting solutions.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:
DMD, ANAV, and digital countermeasure receiver were fully developed in FY 2008. DTS achieved IOC in Oct 2013. DTU has completed development up to and including Physical Configuration Audit. USSR (ECP-6318) is fully developed and being installed (EA-18G is complete, F/A-18F ongoing). USSR RMM Upgrade scheduled to complete non-recurring engineering in 2018. Procurement and fielding scheduled for 2018.

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 14 / Network Centric Operations: (OSIP 001-10)
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	
Models of Systems Affected: F/A-18A-F and EA-18G	**Modification Type:** Avionics Upgrade	**Related RDT&E PEs:**

Financial Plan (*) Indicates the modification is being installed organically and no installation funds are required.	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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)*
Procurement												
1.1.1) USSR A-Kit - NonOrganic *Installation 1 of 5*	175 / 7.474	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.2) DTS A1 KITS (LOTS 26-29) - NonOrganic (48) *Installation 2 of 5*	120 / 4.313	49 / 1.852	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.3) DMD A Kit (LOTS 26-29) - NonOrganic *Installation 3 of 5*	75 / 5.242	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.4) DMD Replacement Kits - NonOrganic *Installation 4 of 5*	38 / 0.290	53 / 0.639	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.5) DTU A-kits - Organic(*)	- / -	28 / 0.000	- / -	90 / 0.001	- / -	90 / 0.001	- / -	- / -	- / -	- / -	- / -	- / -
1.1.6) A-Kits Archive - Organic(*)	532 / 0.800	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.2.1) Installation Kits N/R - Organic(*)	- / 13.174	- / 0.015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
2.1.1) ANAV kit with WRA - NonOrganic *Installation 5 of 5*	154 / 14.868	12 / 1.209	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
2.1.2) DTS B kits (lots 26 and above) - Organic(*)	283 / 67.698	31 / 7.522	44 / 10.648	51 / 11.810	- / -	51 / 11.810	- / -	- / -	- / -	- / -	- / -	- / -
2.1.4) DTU Kits - Organic(*)	19 / 1.080	28 / 1.610	- / -	90 / 5.400	- / -	90 / 5.400	- / -	- / -	- / -	- / -	- / -	- / -
2.1.5) DTU Ground Encryptor - Organic(*)	10 / 0.463	15 / 0.707	- / -	94 / 4.606	- / -	94 / 4.606	- / -	- / -	- / -	- / -	- / -	- / -
2.1.6) DTU Memory Modules - Organic(*) (49)	106 / 0.192	146 / 0.270	- / -	558 / 1.060	- / -	558 / 1.060	- / -	- / -	- / -	- / -	- / -	- / -
2.1.7) DTU AME Cables - Organic(*)	22 / 0.028	41 / 0.053	- / -	88 / 0.114	- / -	88 / 0.114	- / -	- / -	- / -	- / -	- / -	- / -
2.1.8) B-Kits Archive - Organic(*)	739 / 29.605	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
2.2.1) Installation Equipment N/R - Organic(*) (50)	- / 6.443	- / -	- / -	- / 1.769	- / -	- / 1.769	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Procurement	*- / 151.670*	*- / 13.877*	*- / 10.648*	*- / 24.760*	*- / -*	*- / 24.760*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*
Support												
3.2) Data	- / 2.501	- / -	- / -	- / 0.165	- / -	- / 0.165	- / -	- / -	- / -	- / -	- / -	- / -
3.3) Training Equipment	- / -	- / -	- / 0.930	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.4) Support Equipment	- / 8.797	- / 2.331	- / 2.168	- / 0.302	- / -	- / 0.302	- / -	- / -	- / -	- / -	- / -	- / -
3.5) ILS	- / 8.740	- / 2.480	- / 2.501	- / 2.561	- / -	- / 2.561	- / -	- / -	- / -	- / -	- / -	- / -
3.6) Other Support (51)	- / 10.617	- / 2.961	- / 1.255	- / 2.637	- / -	- / 2.637	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support	*- / 30.655*	*- / 7.772*	*- / 6.854*	*- / 5.665*	*- / -*	*- / 5.665*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*
Installation												
Installation 1 of 5: USSR A-Kit	- / 0.894	- / 0.318	- / 0.192	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.404

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 14 / Network Centric Operations: (OSIP 001-10)
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	
Models of Systems Affected: F/A-18A-F and EA-18G	**Modification Type:** Avionics Upgrade	**Related RDT&E PEs:**

Financial Plan (*) Indicates the modification is being installed organically and no installation funds are required.	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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)*
Installation 2 of 5: DTS A1 KITS (LOTS 26-29)	- / 0.022	- / 0.587	- / 2.869	- / 1.542	- / 0.000	- / 1.542	- / -	- / -	- / -	- / -	- / -	- / 5.020
Installation 3 of 5: DMD A Kit (LOTS 26-29)	- / 0.005	- / 0.345	- / -	- / 0.219	- / 0.000	- / 0.219	- / -	- / -	- / -	- / -	- / -	- / 0.569
Installation 4 of 5: DMD Replacement Kits	- / -	- / 0.443	- / 1.698	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.141
Installation 5 of 5: ANAV kit with WRA	- / 1.122	- / 1.580	- / 0.879	- / 0.318	- / 0.000	- / 0.318	- / -	- / -	- / -	- / -	- / -	- / 3.899
Subtotal: Installation	*- / 2.043*	*- / 3.273*	*- / 5.638*	*- / 2.079*	*- / -*	*- / 2.079*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*
Total												
Total Cost (Procurement + Support + Installation)	**184.368**	**24.922**	**23.140**	**32.504**	**0.000**	**32.504**	**-**	**-**	**-**	**-**	**-**	**-**

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 14 / Network Centric Operations: (OSIP 001-10)

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

Installation 1 of 5: USSR A-Kit

Manufacturer Information

Manufacturer Name: Boeing - USSR (A-Kit)	Manufacturer Location: St Louis, MO
Administrative Leadtime *(in Months)*: 6	Production Leadtime *(in Months)*: 30

Dates	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: Navy Field Modification Team:: Installation Name: USSR A-Kit

Installation Cost	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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	119 / 0.894	34 / 0.318	22 / 0.192	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	175 / 1.404
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	119 / 0.894	34 / 0.318	22 / 0.192	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	175 / 1.404

Installation Schedule

		FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022					
	PYS	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	TC	Tot
In	119	8	8	9	9	5	5	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	119	8	8	9	9	5	5	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 14 / Network Centric Operations: (OSIP 001-10)

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

Installation 2 of 5: DTS A1 KITS (LOTS 26-29)

Manufacturer Information

Manufacturer Name: Boeing - DTS A1 KITS (LOTS 26-29) | Manufacturer Location: St Louis, MO

Administrative Leadtime *(in Months)*: 9 | Production Leadtime *(in Months)*: 28

Dates	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Contract Dates	Jun 2016						
Delivery Dates	Oct 2018						

Installation Information

Method of Implementation: Navy Field Modification Team:: Installation Name: DTS A1 KITS (LOTS 26-29)

Installation Cost	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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	1 / 0.022	12 / 0.587	45 / 2.869	36 / 1.542	0 / 0.000	36 / 1.542	- / -	- / -	- / -	- / -	- / -	94 / 5.020
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	1 / 0.022	12 / 0.587	45 / 2.869	36 / 1.542	0 / 0.000	36 / 1.542	- / -	- / -	- / -	- / -	- / -	94 / 5.020

Installation Schedule

	PYS	FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				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	1	-	-	6	6	11	11	11	12	9	9	9	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	1	-	-	6	6	11	11	11	12	9	9	9	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 14 / Network Centric Operations: (OSIP 001-10)

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

Installation 3 of 5: DMD A Kit (LOTS 26-29)

Manufacturer Information

Manufacturer Name: Boeing - DMD A Kit (LOTS 26-29) | Manufacturer Location: St Louis, MO

Administrative Leadtime *(in Months)*: 6 | Production Leadtime *(in Months)*: 13

Dates	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: Navy Field Modification Team:: Installation Name: DMD A Kit (LOTS 26-29)

Installation Cost	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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	1 / 0.005	20 / 0.345	- / -	12 / 0.219	0 / 0.000	12 / 0.219	- / -	- / -	- / -	- / -	- / -	33 / 0.569
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	1 / 0.005	20 / 0.345	- / -	12 / 0.219	0 / 0.000	12 / 0.219	- / -	- / -	- / -	- / -	- / -	33 / 0.569

Installation Schedule

	PYS	FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				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	1	-	-	10	10	-	-	-	-	3	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	1	-	-	10	10	-	-	-	-	3	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 14 / Network Centric Operations: (OSIP 001-10)

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

Installation 4 of 5: DMD Replacement Kits

Manufacturer Information

Manufacturer Name: Boeing - DMD Replacement Kits	Manufacturer Location: St Louis, MO
Administrative Leadtime *(in Months)*: 4	Production Leadtime *(in Months)*: 15

Dates	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Contract Dates	Jan 2016						
Delivery Dates	Apr 2017						

Installation Information

Method of Implementation: Navy Field Modification Team:: Installation Name: DMD Replacement Kits

Installation Cost	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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	- / -	38 / 0.443	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	38 / 0.443
FY 2016	- / -	- / -	53 / 1.698	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	53 / 1.698
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	38 / 0.443	53 / 1.698	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	91 / 2.141

Installation Schedule

	PYS	FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				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	-	-	-	19	19	-	-	26	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	-	-	-	19	19	-	-	26	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 14 / Network Centric Operations: (OSIP 001-10)

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

Installation 5 of 5: ANAV kit with WRA

Manufacturer Information

Manufacturer Name: Boeing - ANAV kit with WRA | Manufacturer Location: St Louis, MO

Administrative Leadtime *(in Months)*: 6 | Production Leadtime *(in Months)*: 24

Dates	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Contract Dates	Mar 2016						
Delivery Dates	Mar 2018						

Installation Information

Method of Implementation: Navy Field Modification Team:: Installation Name: ANAV kit with WRA

Installation Cost	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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	50 / 1.122	65 / 1.580	39 / 0.879	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	154 / 3.581
FY 2016	- / -	- / -	- / -	12 / 0.318	0 / 0.000	12 / 0.318	- / -	- / -	- / -	- / -	- / -	12 / 0.318
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	50 / 1.122	65 / 1.580	39 / 0.879	12 / 0.318	0 / 0.000	12 / 0.318	- / -	- / -	- / -	- / -	- / -	166 / 3.899

Installation Schedule

		FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022					
	PYS	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	TC	Tot
In	50	16	16	16	17	3	12	12	12	-	4	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	50	16	16	16	17	3	12	12	12	-	4	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Footnotes:

(48) DTS Kit installs were delayed due to non-availability of fleet aircraft.

(49) DTU Memory Modules are procured with a quantity of 5 per aircraft.

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 14 / Network Centric Operations: (OSIP 001-10)
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	

(50) Increase in FY18 is due to NRE efforts for Distributed Targeting Processor-Network (DTP-N).

(51) Increase in Other Support from FY17 to FY18 is due to ramp up of the DTU program.

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 15 / EA-18G Unique OSIP (011-10)
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	

Resource Summary	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	88.366	11.919	22.632	34.804	0.000	34.804	-	-	-	-	-	-
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) *($ in Millions)*	88.366	11.919	22.632	34.804	0.000	34.804	-	-	-	-	-	-
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**88.366**	**11.919**	**22.632**	**34.804**	**0.000**	**34.804**	**-**	**-**	**-**	**-**	**-**	**-**
(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 Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

Description:

With EA-18G aircraft achieving initial operational capability in FY2009, an Operational, Safety and Improvement Program (OSIP) to perform required safety of flight modifications, address obsolescence issues, and incorporate system improvements was established. Funds are required to retrofit Weapons Replaceable Assemblies (WRAs) and Shop Replaceable Assemblies (SRAs) and achieve depot standup SRA/ WRA capability. Funding will support the retrofit of the ALQ-99 tactical jamming system. ECP 6360, the Joint Tactical Terminal Receiver (JTTR) has been developed to replace the Multi-Mission Advanced Tactical Terminal (MATT) to address MATT obsolescence and capability deficiencies. OSIP funding will be used to retrofit the aircraft with JTTR at the completion of the development program. Funding will also support maintenance of a common configuration and airborne electronic attack I-level standup. This OSIP also supports the procurement and fielding of operational test program sets as support equipment for I-level maintenance stand up. EA-18G software modifications are budgeted to support and stay abreast with emerging electronic warfare threats and the software modifications required to react to those threats. OSIP funding will be used to retrofit ALQ-218 hardware and software on board the EA-18G for increased emitter detection (ECP 6482). ECP 6312 (EA-18G AESA Blanking Wire Group and CCS Mid-board Group A) supports Counter Communications Set (CCS)/ AESA Blanking capabilities during future jamming operations for EA-18G. This ECP adds CCS provisional wiring with the intent that it could be used to mate a CCS generated Radio Frequency (RF) signal to pods carried on stations 3 - 9 in addition to having blanking wires to coordinate better between the CCS and ALQ99. In addition to the CCS provisional wiring, ECP-6312 includes a blanking wire from the AESA/Electronic Interface Blanking Unit (EIBU) to the ALQ-218 onboard the EA-18G. ECP 6441 is for removal/replacement of EA-18G ALR-67(V)3 antennas with placeholders for the EA-18G. ECP6444 is part of the weight reduction initiative in order to support future Growler modifications. ECP 6441C1 is for removal/replacement of EA-18G ALR-67(V)3 antennas with placeholders in order to support future Growler modifications. ECP 6479 is an EA-18G aircraft wiring modification supporting the software upgrade of Time Difference of Arrival (TDOA) one pulse per second signal.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:
Aircraft production A-kit buys in FY10-13 [58 aircraft (A/C)] with installs in FY11-14 (58 A/C) using Aircraft Procurement, Navy-1. Retrofit A-kit buys in FY13-15 (54 a/c) with installations in FY15-17. Retrofit B-kit procurements in FY13-FY15 with O-level installs beginning in FY16 in alignment with H-10 fleet release.

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 15 / EA-18G Unique OSIP (011-10)
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	
Models of Systems Affected: EA-18G	**Modification Type:** SAFETY /RELIABILITY/ IMPROVEMENT	**Related RDT&E PEs:**

Financial Plan (*) Indicates the modification is being installed organically and no installation funds are required.	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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)*
Procurement												
1.1.1) IBS Receiver Replacement (JTTR) - NonOrganic *Installation 1 of 4*	54 / 3.792	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.2) ECP 6312 EA-18G AESA Blanking Wire Group A and CCS Mid-board Group A - NonOrganic *Installation 2 of 4*	3 / 0.430	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.1.3) ECP 6482 - ASE (ALQ-218 Modifications) - NonOrganic (52) *Installation 3 of 4*	- / -	- / -	12 / 0.012	15 / 0.015	- / -	15 / 0.015	- / -	- / -	- / -	- / -	- / -	- / -
1.1.4) ECP 6479 1PPS - NonOrganic *Installation 4 of 4*	155 / 0.025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
1.2.1) Installation Kits N/R - Organic(*)	- / 1.451	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
2.1.1) IBS Receiver Replacement (JTTR) - Organic(*) (53)	163 / 11.333	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
2.1.2) H10 SCS - Organic(*)	- / 11.838	- / 0.043	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
2.1.3) EA-18G Hardback (ALQ-99) - Organic(*)	65 / 12.259	18 / 3.918	14 / 2.999	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
2.1.4) ECP 6482 ASE - (ALQ-218 Modifications (WRAs)) - Organic(*) (54)	- / -	- / -	12 / 5.054	15 / 6.316	- / -	15 / 6.316	- / -	- / -	- / -	- / -	- / -	- / -
2.1.5) ECP 6482 ASE - (ALQ-218 Modifications (AEA/GBP)) - Organic(*) (55)	- / -	- / -	17 / 1.699	15 / 1.500	- / -	15 / 1.500	- / -	- / -	- / -	- / -	- / -	- / -
2.1.6) ECP 6441 - Removal/Replacement of EA-18G ALR-67v3 - Organic(*)	36 / 1.251	- / -	28 / 1.000	28 / 1.000	- / -	28 / 1.000	- / -	- / -	- / -	- / -	- / -	- / -
2.1.7) ECP 6444 - EA-18G Weight Reduction Initiative - Organic(*)	- / -	- / -	20 / 1.000	39 / 2.000	- / -	39 / 2.000	- / -	- / -	- / -	- / -	- / -	- / -
2.1.8) EA-18G SCS - Organic(*)	- / 2.067	- / 0.765	- / 2.050	- / 3.690	- / -	- / 3.690	- / -	- / -	- / -	- / -	- / -	- / -
2.1.9) B-Kits Archive - Organic(*)	46 / 29.719	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
2.2.1) Installation Equipment N/R - Organic(*)	- / 6.357	- / 0.331	- / 1.935	- / 2.095	- / -	- / 2.095	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Procurement	*- / 80.522*	*- / 5.057*	*- / 15.749*	*- / 16.616*	*- / -*	*- / 16.616*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*
Support												
3.2) Data (56)	- / 1.708	- / 0.761	- / 1.944	- / 1.551	- / -	- / 1.551	- / -	- / -	- / -	- / -	- / -	- / -
3.3) Training Equipment	- / -	- / -	- / 0.172	- / 0.750	- / -	- / 0.750	- / -	- / -	- / -	- / -	- / -	- / -
3.4) Support Equipment (57)	- / 0.681	- / 0.652	- / 0.767	- / 10.446	- / -	- / 10.446	- / -	- / -	- / -	- / -	- / -	- / -
3.5) ILS (58)	- / 1.510	- / 1.048	- / 1.750	- / 2.000	- / -	- / 2.000	- / -	- / -	- / -	- / -	- / -	- / -

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 15 / EA-18G Unique OSIP (011-10)
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	
Models of Systems Affected: EA-18G	**Modification Type:** SAFETY /RELIABILITY/ IMPROVEMENT	**Related RDT&E PEs:**

Financial Plan (*) Indicates the modification is being installed organically and no installation funds are required.	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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)*
3.6) Other Support [59]	- / 3.537	- / 1.981	- / 2.116	- / 2.335	- / -	- / 2.335	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support	*- / 7.436*	*- / 4.442*	*- / 6.749*	*- / 17.082*	*- / -*	*- / 17.082*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*
Installation												
Installation 1 of 4: IBS Receiver Replacement (JTTR)	- / 0.408	- / 2.420	- / 0.050	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.878
Installation 2 of 4: ECP 6312 EA-18G AESA Blanking Wire Group A and CCS Mid-board Group A	- / -	- / -	- / -	- / 0.164	- / 0.000	- / 0.164	- / -	- / -	- / -	- / -	- / -	- / 0.164
Installation 3 of 4: ECP 6482 - ASE (ALQ-218 Modifications)	- / -	- / -	- / -	- / 0.840	- / 0.000	- / 0.840	- / -	- / -	- / -	- / -	- / -	- / 0.840
Installation 4 of 4: ECP 6479 1PPS	- / -	- / -	- / 0.084	- / 0.102	- / 0.000	- / 0.102	- / -	- / -	- / -	- / -	- / -	- / 0.186
Subtotal: Installation	*- / 0.408*	*- / 2.420*	*- / 0.134*	*- / 1.106*	*- / -*	*- / 1.106*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*
Total												
Total Cost (Procurement + Support + Installation)	**88.366**	**11.919**	**22.632**	**34.804**	**0.000**	**34.804**	**-**	**-**	**-**	**-**	**-**	**-**

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 15 / EA-18G Unique OSIP (011-10)
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	

Installation 1 of 4: IBS Receiver Replacement (JTTR)

Manufacturer Information

Manufacturer Name: DRS - IBS Receiver Replacement (JTTR)	Manufacturer Location: Johnstown, PA
Administrative Leadtime *(in Months)*: 4	Production Leadtime *(in Months)*: 24

Dates	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: Navy Field Modification Team:: Installation Name: IBS Receiver Replacement (JTTR)

Installation Cost	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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	5 / 0.408	48 / 2.420	1 / 0.050	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	54 / 2.878
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	5 / 0.408	48 / 2.420	1 / 0.050	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	54 / 2.878

Installation Schedule

	PYS	FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				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	5	12	12	12	12	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	5	12	12	12	12	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 15 / EA-18G Unique OSIP (011-10)
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	

Installation 2 of 4: ECP 6312 EA-18G AESA Blanking Wire Group A and CCS Mid-board Group A

Manufacturer Information

Manufacturer Name: Boeing - ECP 6312 EA-18G AESA Blanking Wire Group A and CCS Mid-board Group A	Manufacturer Location: St Louis, MO
Administrative Leadtime *(in Months)*: 12	Production Leadtime *(in Months)*: 24

Dates	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: Navy Field Modification Team:: Installation Name: ECP 6312 EA-18G AESA Blanking Wire Group A and CCS

Installation Cost	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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	- / -	- / -	- / -	3 / 0.164	0 / 0.000	3 / 0.164	- / -	- / -	- / -	- / -	- / -	3 / 0.164
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	3 / 0.164	0 / 0.000	3 / 0.164	- / -	- / -	- / -	- / -	- / -	3 / 0.164

Installation Schedule

	PYS	FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				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	-	-	-	-	-	-	-	-	-	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	-	-	-	-	-	-	-	-	-	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 15 / EA-18G Unique OSIP (011-10)
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	

Installation 3 of 4: ECP 6482 - ASE (ALQ-218 Modifications)

Manufacturer Information

Manufacturer Name: Boeing - ECP 6482 - ASE (ALQ-218 Modifications)	Manufacturer Location: St. Louis, MO
Administrative Leadtime *(in Months)*: 3	Production Leadtime *(in Months)*: 9

Dates	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Contract Dates		Jan 2017	Jan 2018				
Delivery Dates		Oct 2017	Oct 2018				

Installation Information

Method of Implementation: Contractor Field Mod Team:: Installation Name: ECP 6482 - ASE (ALQ-218 Modifications)

Installation Cost	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	12 / 0.840	0 / 0.000	12 / 0.840	- / -	- / -	- / -	- / -	- / -	12 / 0.840
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	12 / 0.840	0 / 0.000	12 / 0.840	- / -	- / -	- / -	- / -	- / -	12 / 0.840

Installation Schedule

	PYS	FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				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	-	-	-	-	-	-	-	-	-	3	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	-	-	-	-	-	-	-	-	-	3	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 15 / EA-18G Unique OSIP (011-10)
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	

Installation 4 of 4: ECP 6479 1PPS

Manufacturer Information

Manufacturer Name: CKA - ECP 6479 1PPS	Manufacturer Location: Orange Park, FL
Administrative Leadtime *(in Months)*: 2	Production Leadtime *(in Months)*: 3

Dates	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: Navy Drive-In Modification:: Installation Name: ECP 6479 1PPS

Installation Cost	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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	- / -	- / -	70 / 0.084	85 / 0.102	0 / 0.000	85 / 0.102	- / -	- / -	- / -	- / -	- / -	155 / 0.186
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	70 / 0.084	85 / 0.102	0 / 0.000	85 / 0.102	- / -	- / -	- / -	- / -	- / -	155 / 0.186

Installation Schedule

	PYS	FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				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	-	-	-	-	-	12	18	20	20	21	21	21	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	-	-	-	-	-	12	18	20	20	21	21	21	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Footnotes:

(52) Quantity of 160 ALQ-218 wiring kits covers retrofit for EA-18G program of record.

(53) Total quantity of 163 IBS Receiver Replacement (JTTR) kits includes PoR additions.

(54) Quantity of 160 ALQ-218 kits includes additional EA-18G aircraft that will be delivered in FY15 - FY18. This kit line speaks to Weapons Replaceable Assembly (WRA) ALQ-218 kits in particular. EA-18G Low Band Dedicated Receiver (LBDR) funding added for FY20 - FY22; included as a part of ECP 6482 Airborne Electronic Attack (AEA) Systems Enhancements (ASE) WRA kits (LBDR is in WRA-8).

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 15 / EA-18G Unique OSIP (011-10)
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	

(55) Quantity of 160 ALQ-218 kits includes additional EA-18G aircraft that will be delivered in FY15 - FY18. This kit line item speaks to Airborne Electronic Attack (AEA) Gun Bay Pallet (GBP) kits.

(56) Increase in data in FY17 due to ECP 6482 ASE data requirements (pubs, IETMS, TD, etc)

(57) Funding increases in FY18 due to procurement of EA-18G depot support equipment for ECPs 6360 and 6482.

(58) ILS increase beginning in FY17 due to ECP 6482 ASE efforts.

(59) Other Support costs increase in FY17 due to additional support for ALQ-218 modifications.

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 16 / Power and Propulsion (11-13)
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	

Resource Summary	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	37.379	13.101	34.523	47.346	0.000	47.346
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Net Procurement (P-1) *($ in Millions)*	37.379	13.101	34.523	47.346	0.000	47.346
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**37.379**	**13.101**	**34.523**	**47.346**	**0.000**	**47.346**
(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 Dollars)*	-	-	-	-	-	-

Description:

This OSIP incorporates safety and life-limiting propulsion and power corrective actions to resolve safety and readiness concerns. Corrections to design deficiencies found during post production test and evaluation and discovered during fleet operations that have resulted in safety and reliability degradation must be corrected. The requirement to upgrade or modify the engine, system secondary power system, electrical system, and fuel systems is critical in maintaining sustainable fleet reliability, safety, and performance and is necessary to meet mission requirements. Modifications include Generator Convertor Units (GCUs), GCU Peculiar Support Equipment (PSE), electrical power and secondary power systems for service life extension.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

F/A 18 EFG GCU reliability upgrade (ECP 6421) Non-recurring Engineering (NRE) is being performed using Aircraft Procurement, Navy-1 funding, and was complete in FY15. NRE for retrofits began in FY13. Kit deliveries began in FY16.

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 16 / Power and Propulsion (11-13)
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	
Models of Systems Affected: F/A-18A-F and EA-18G	**Modification Type:** Safety, Readiness, Reliability	**Related RDT&E PEs:**

Financial Plan (*) Indicates the modification is being installed organically and no installation funds are required.	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 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)*
Procurement						
2.1.1) GCU Reliability Upgrade midterm (ECP 6421) Pt 3 G3/G4 - Organic(*)	177 / 22.416	63 / 7.979	175 / 30.625	193 / 33.775	- / -	193 / 33.775
2.1.2) Archived ECPs - Organic(*)	1,628 / 1.888	- / -	- / -	- / -	- / -	- / -
2.1.3) GCU Reliability Upgrade midterm Pt 3 (ECP 6421) G4 - Organic(*)	4 / 0.810	- / -	3 / 0.795	40 / 10.600	- / -	40 / 10.600
2.2.1) Installation Equipment N/R - Organic(*)	- / 0.278	- / -	- / -	- / -	- / -	- / -
Subtotal: Procurement	*- / 25.392*	*- / 7.979*	*- / 31.420*	*- / 44.375*	*- / -*	*- / 44.375*
Support						
3.2) Data	- / 0.002	- / -	- / -	- / 0.061	- / -	- / 0.061
3.3) Training Equipment	- / 0.039	- / 0.080	- / -	- / -	- / -	- / -
3.4) Support Equipment	- / 9.312	- / 0.220	- / 0.303	- / 0.060	- / -	- / 0.060
3.5) ILS	- / 0.135	- / 0.506	- / 0.507	- / 0.516	- / -	- / 0.516
3.6) Other Support	- / 2.499	- / 4.316	- / 2.293	- / 2.334	- / -	- / 2.334
Subtotal: Support	*- / 11.987*	*- / 5.122*	*- / 3.103*	*- / 2.971*	*- / -*	*- / 2.971*
Installation						
Subtotal: Installation	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*
Total						
Total Cost (Procurement + Support + Installation)	**37.379**	**13.101**	**34.523**	**47.346**	**0.000**	**47.346**

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 18 / Automated Information Systems (AIS) (OSIP 018-14)
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	

Resource Summary	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	61.184	33.445	35.597	44.188	0.000	44.188
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Net Procurement (P-1) *($ in Millions)*	61.184	33.445	35.597	44.188	0.000	44.188
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**61.184**	**33.445**	**35.597**	**44.188**	**0.000**	**44.188**
(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 Dollars)*	-	-	-	-	-	-

Description:

This Operational, Safety and Improvement Program (OSIP) will cover F/A-18 A-D, E/F and EA-18G Automated Maintenance Environment (AME), which includes initial procurement of software licenses, data rights, and technical publication updates including Integrated Electronic Technical Manuals (IETMs). This OSIP also covers Information Assurance (IA) and Weaponeering, Integrated, Naval Aviation Technical Information Product (NATIP) and Naval Air Training and Operating Procedures Standardization (NATOPS) (WINN). NATIP and NATOPS are permanent flight clearances. This OSIP is required to provide updated/modified data for F/A-18 and EA-18G aircrew (user's manuals, pocket guides, safety-of-flight envelopes and tactical /non-tactical system employment envelopes) associated with approved aircraft engineering changes that update/enhance aircraft operational capabilities. WINN tactical employment data developed and distributed via NATIP are mandated by Office of the Chief of Naval Operations Instructions (OPNAVINST) 3510.15. WINN non-tactical employment data developed and distributed via NATOPS are mandated by OPNAVINST 3710. This OSIP will also provide Information Assurance (IA) compliance for F/A-18 A-F and EA-18G systems by updating certification and accreditation (C&A) documentation, and future IA mandates in order to maintain the Authority to Operate (ATO) for all required C&A approval. Modifications incorporated for AME integration are authorized via associated SCS software builds, SPAWAR Program Of Record (POR) Acquisition Decision Memorandums, and Engineering Change Proposals (ECPs).

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:
F/A-18A-D, E/F and G NATIP: Classified and unclassified product development was completed in FY15 for F/A-18A-D and F/A-18E/F, and end of FY17/18 for EA-18G. Updates to published classified/ unclassified chapters are increasing as additional chapters are fielded and new SCS developments (27C, H14, H16) mature. F/A-18 and EA-18G NATOPS: Development is complete and updates are ongoing.

The C&A status of F/A-18 AME (FAME) 1.0 is as follows: FAME 1.0 has been granted an ATO with both the United States Navy (USN) and the United States Marine Corps (USMC) until 1 July 2019.

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 18 / Automated Information Systems (AIS) (OSIP 018-14)
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	
Models of Systems Affected: F/A-18A-F and EA-18G	**Modification Type:** Safety	**Related RDT&E PEs:**

Financial Plan (*) Indicates the modification is being installed organically and no installation funds are required.	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 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)*
Procurement						
2.1.1) Automated Maintenance Environment (AME) software mod - Organic(*)	- / 16.642	- / -	- / -	- / -	- / -	- / -
Subtotal: Procurement	*- / 16.642*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*
Support						
3.2) Software (60)	- / 21.085	- / 19.665	- / 21.568	- / 29.907	- / -	- / 29.907
3.3) Data (61)	- / 13.487	- / 6.818	- / 6.941	- / 7.066	- / -	- / 7.066
3.6) ILS	- / 1.353	- / 1.378	- / 1.403	- / 1.428	- / -	- / 1.428
3.7) Other Support	- / 8.617	- / 5.584	- / 5.685	- / 5.787	- / -	- / 5.787
Subtotal: Support	*- / 44.542*	*- / 33.445*	*- / 35.597*	*- / 44.188*	*- / -*	*- / 44.188*
Installation						
Subtotal: Installation	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*
Total						
Total Cost (Procurement + Support + Installation)	**61.184**	**33.445**	**35.597**	**44.188**	**0.000**	**44.188**

Footnotes:

(60) (A) Funding for software was realigned from the Data cost element to a new Software cost element for accuracy. (B) Software funding is for the AME system, a suite of integrated software applications in support of operational level maintenance for F/A-18A-F and EA-18G. The modifications to the software are driven by the ADM from the Naval Tactical Command Support Systems program Optimized Organization Maintenance Activity (OOMA) release 831-01.05.11 policy/guidance directing F/A-18 and EA-18G to modify F/A-18 AME software release that integrates with OOMA/Naval Aviation Logistics Command Management Information System (NALCOMIS) software. (C) Funding varies each year due to the PMA265 re-accreditation process which is required to receive certification for ATO for F/A-18 A-F and EA-18G aircraft.

(61) Funding for Data cost element is required due to the transition of technical publication data and IETMs from several OSIPs into this OSIP. Technical publications data and IETMS modifications driven by AME and SCS software upgrades will be reflected in this OSIP. ECP driven technical data changes will be annotated per specific OSIPs.

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 19 / F/A-18E/F and EA-18G SLEP (OSIP 020-14)
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	

Resource Summary	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	9.937	23.415	39.519	87.424	0.000	87.424	-	-	-	-	-	-
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) *($ in Millions)*	9.937	23.415	39.519	87.424	0.000	87.424	-	-	-	-	-	-
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**9.937**	**23.415**	**39.519**	**87.424**	**0.000**	**87.424**	**-**	**-**	**-**	**-**	**-**	**-**
(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 Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Incorporation of structural and sub-systems enhancements and changes are required to extend the F/A-18E/F service life and maintain sufficient aircraft inventory to meet fleet operational requirements through FY2043. Structural enhancements and changes include resolution of discrepancies identified as a result of Service Life Assessment Program (SLAP) analysis and in-service experience. These enhancements and changes include: modifications to allow the entire airframe and aircraft sub-systems to extend flight hours and modifications to ensure landing gear, catapult and attachment components can extend total landings. Modifications will include: Block 1 Forward Fuselage, Block 2 Forward Fuselage, Inner Wing Panel (Pre-CRI), Inner Wing Panel (CRI), Outer Wing Panel (Pre-CRI), Outer Wing Panel (CRI), Center Fuselage, Aft Fuselage, Vertical Tail, Hydraulic Systems, Landing Gear Systems, Fuel Delivery Systems, Environmental Control Systems, and Mechanical Systems. The unacceptable alternative to retrofitting would be the failure to reach full fatigue life for these aircraft and to not correct the structural defects discovered on fatigue test articles. In many cases, the mission capability of the aircraft would be adversely affected in addition to its reduced service life. As a result, aircraft may be prematurely removed from useful service. SLAP analyzes the critical structural and sub-system areas to determine crack initiation, and then Service Life Extension Program (SLEP) will produce Engineering Change Proposals (ECPs) for life limited locations.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:
Currently all Lot 21 through 41 aircraft have service life limits established by the F/A-18 and EA-18G Service Life Bulletin without the service life management plan modifications to extended the service life. Boeing and Northrop Grumman Corporation are currently in work performing structures and sub-systems SLAP. As SLAP analysis is completed, "hot spots" will be reviewed and analyzed under SLEP to determine the best approach for extending specific areas of concern. McDonnell Douglas Corporation, Northrop Grumman Corporation and organic Fleet Support Team (FST) will begin non-recurring engineering for ECPs to modify these aircraft to restore the airframe and subsystems to full life beginning in FY 14. SLAP Phase B for subsystems completed 16 September 2013. SLAP Phase B for structures is projected to complete FY 18. SLAP Phase C for both subsystems and structures is being performed through FY22.

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 19 / F/A-18E/F and EA-18G SLEP (OSIP 020-14)

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

Models of Systems Affected: F/A-18E/F **Modification Type:** SAFETY / LIFE EXTENSION **Related RDT&E PEs:**

Financial Plan (*) Indicates the modification is being installed organically and no installation funds are required.	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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)*
Procurement												
1.1.1) ECP-6465 Block 1 Forward Fuselage - NonOrganic *Installation 1 of 2*	4 / 0.183	- / -	58 / 3.030	20 / 1.064	- / -	20 / 1.064	- / -	- / -	- / -	- / -	- / -	- / -
1.1.5) ECP-6466 Block 2 Forward Fuselage - NonOrganic *Installation 1 of 2*	4 / 0.098	- / -	51 / 0.962	30 / 0.576	- / -	30 / 0.576	- / -	- / -	- / -	- / -	- / -	- / -
1.1.9) ECP-6467 Center Fuselage - NonOrganic *Installation 1 of 2*	- / -	2 / 0.230	- / -	65 / 5.800	- / -	65 / 5.800	- / -	- / -	- / -	- / -	- / -	- / -
1.1.10) ECP-6467R1 Center Fuselage - NonOrganic *Installation 1 of 2*	- / -	4 / 0.863	- / -	16 / 1.977	- / -	16 / 1.977	- / -	- / -	- / -	- / -	- / -	- / -
1.1.11) ECP-6467R2 Center Fuselage - NonOrganic *Installation 1 of 2*	- / -	- / -	- / -	4 / 0.879	- / -	4 / 0.879	- / -	- / -	- / -	- / -	- / -	- / -
1.1.13) ECP-6468 AFT Fuselage - NonOrganic *Installation 1 of 2*	- / -	4 / 0.267	- / -	20 / 2.500	- / -	20 / 2.500	- / -	- / -	- / -	- / -	- / -	- / -
1.1.14) ECP-6468R1 AFT Fuselage - NonOrganic *Installation 1 of 2*	- / -	4 / 0.679	- / -	10 / 4.625	- / -	10 / 4.625	- / -	- / -	- / -	- / -	- / -	- / -
1.1.2) ECP-6465R1 Block 1 Forward Fuselage - NonOrganic *Installation 2 of 2*	- / -	4 / 0.410	- / -	13 / 1.161	- / -	13 / 1.161	- / -	- / -	- / -	- / -	- / -	- / -
1.1.3) ECP-6465R2 Block 1 Forward Fuselage - NonOrganic *Installation 2 of 2*	- / -	- / -	- / -	4 / 0.417	- / -	4 / 0.417	- / -	- / -	- / -	- / -	- / -	- / -
1.1.6) ECP-6466R1 Block 2 Forward Fuselage - NonOrganic *Installation 2 of 2*	- / -	4 / 0.183	- / -	6 / 0.156	- / -	6 / 0.156	- / -	- / -	- / -	- / -	- / -	- / -
1.1.7) ECP-6466R2 Block 2 Forward Fuselage - NonOrganic *Installation 2 of 2*	- / -	- / -	- / -	4 / 0.186	- / -	4 / 0.186	- / -	- / -	- / -	- / -	- / -	- / -
1.1.15) ECP-6468R2 AFT Fuselage - NonOrganic *Installation 2 of 2*	- / -	- / -	- / -	4 / 0.691	- / -	4 / 0.691	- / -	- / -	- / -	- / -	- / -	- / -
1.1.17) ECP-6469: Inner Wing Panel (Pre-CRI) - NonOrganic *Installation 2 of 2*	- / -	2 / 8.038	- / -	9 / 19.957	- / -	9 / 19.957	- / -	- / -	- / -	- / -	- / -	- / -
1.1.18) ECP-6469: Outer Wing Panel (Pre-CRI) - NonOrganic *Installation 2 of 2*	- / -	2 / 0.085	- / -	9 / 0.313	- / -	9 / 0.313	- / -	- / -	- / -	- / -	- / -	- / -
1.1.22) ECP-XX14 Mechanical Systems - Organic(*)	- / -	- / -	- / -	50 / 0.245	- / -	50 / 0.245	- / -	- / -	- / -	- / -	- / -	- / -
1.2.1) Installation Kit N/R - Organic(*) (62)	- / 4.923	- / 8.065	- / 22.301	- / 19.655	- / -	- / 19.655	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Procurement	*- / 5.204*	*- / 18.820*	*- / 26.293*	*- / 60.202*	*- / -*	*- / 60.202*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*
Support												
3.2) Data	- / 1.464	- / 1.161	- / 3.183	- / 3.183	- / -	- / 3.183	- / -	- / -	- / -	- / -	- / -	- / -
3.4) Support Equipment	- / -	- / -	- / 4.863	- / 0.407	- / -	- / 0.407	- / -	- / -	- / -	- / -	- / -	- / -
3.5) ILS (63)	- / 3.269	- / 3.388	- / 3.385	- / 10.248	- / -	- / 10.248	- / -	- / -	- / -	- / -	- / -	- / -

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 19 / F/A-18E/F and EA-18G SLEP (OSIP 020-14)
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	
Models of Systems Affected: F/A-18E/F	**Modification Type:** SAFETY / LIFE EXTENSION	**Related RDT&E PEs:**

Financial Plan (*) Indicates the modification is being installed organically and no installation funds are required.	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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)*
3.6) Other Support (64)	- / -	- / 0.046	- / 1.795	- / 13.229	- / -	- / 13.229	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support	*- / 4.733*	*- / 4.595*	*- / 13.226*	*- / 27.067*	*- / -*	*- / 27.067*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*
Installation												
Installation 1 of 2: GRP: SLEP Installs (2 year leadtime)	- / -	- / -	- / -	- / 0.155	- / 0.000	- / 0.155	- / -	- / -	- / -	- / -	- / -	- / 0.155
Installation 2 of 2: GRP: SLEP Installs (1 year leadtime)	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Installation	*- / 0.000*	*- / -*	*- / -*	*- / 0.155*	*- / -*	*- / 0.155*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*
Total												
Total Cost (Procurement + Support + Installation)	**9.937**	**23.415**	**39.519**	**87.424**	**0.000**	**87.424**	**-**	**-**	**-**	**-**	**-**	**-**

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 19 / F/A-18E/F and EA-18G SLEP (OSIP 020-14)

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

Installation 1 of 2: GRP: SLEP Installs (2 year leadtime)

Manufacturer Information

Manufacturer Name: Boeing - SLEP ECPs (2 year leadtime) (65) | Manufacturer Location: St Louis, MO

Administrative Leadtime *(in Months)*: 4 | Production Leadtime *(in Months)*: 20

Dates	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Contract Dates	Jan 2016	Jan 2017	Jan 2018				
Delivery Dates	Sep 2018	Sep 2018	Sep 2019				

Installation Information

Method of Implementation: [none specified]:: Installation Name: SLEP Installs (2 year leadtime)

Installation Cost	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	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	- / -	- / -	- / -	4 / 0.155	0 / 0.000	4 / 0.155	- / -	- / -	- / -	- / -	- / -	4 / 0.155
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	4 / 0.155	0 / 0.000	4 / 0.155	- / -	- / -	- / -	- / -	- / -	4 / 0.155

Installation Schedule

	PYS	FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				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	-	-	-	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	-	-	-	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 19 / F/A-18E/F and EA-18G SLEP (OSIP 020-14)

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

Installation 2 of 2: GRP: SLEP Installs (1 year leadtime)

Manufacturer Information

Manufacturer Name: Boeing - SLEP ECPs (1 yr leadtime) (66)	Manufacturer Location: St Louis, MO
Administrative Leadtime *(in Months)*: 4	Production Leadtime *(in Months)*: 8

Dates	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Contract Dates	Jan 2016		Jan 2018				
Delivery Dates	Sep 2018		Sep 2018				

Installation Information

Method of Implementation: [none specified]:: Installation Name: SLEP Installs (1 year leadtime)

Installation Schedule

	PYS	FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Footnotes:

(62) (A) The increase in Installation Kit N/R from FY16 to FY17 reflects a one-time procurement of tooling required to perform the modifications. Funding increase in FY19 is due to ramp up of non-recurring engineering efforts for SLEP ECPs. (B) NRE is required in future years due to development of multiple ECPs as locations of the aircraft are determined to need extension. Each structural zone ECP will require multiple revisions for multiple kit requirements. Each of these efforts will require NRE.

(63) ILS funding increases in FY18 due to ramp up of SLEP efforts.

(64) Other Support funding increases in FY18 due to ramp up of SLEP efforts.

(65) Validation/verification kits have a longer lead time than recurring kits with a two year leadtime.

(66) Validation/verification kits have a longer lead time than recurring kits with a one year leadtime.

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 20 / Priority Stores Integration (OSIP 10-16)
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	

Resource Summary	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	0.000	13.565	13.136	10.536	0.000	10.536
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Net Procurement (P-1) *($ in Millions)*	0.000	13.565	13.136	10.536	0.000	10.536
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**0.000**	**13.565**	**13.136**	**10.536**	**0.000**	**10.536**
(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 Dollars)*	-	-	-	-	-	-

Description:

The purpose of this Operational Safety Improvement Program (OSIP) is to facilitate aircraft capability upgrades to carry priority stores for F/A-18A-F and EA-18G aircraft. Priority Stores Integration contains fleet required air to air and air to ground weapon configurations upgrades to support fleet requirements provided by OPNAV N98 and Commander, Naval Air Forces. This OSIP will provide for F/A-18A-F and EA-18G aircraft weapon systems software and aeromechanical hardware upgrades needed during fleet operations to ensure that mission readiness and safety of flight regimes are maintained. It will also allow for weapon capability expansion through engineering, logistics, obsolescence updates and verification and validation of incorporated engineering changes. Specifically this will provide mission flexibility by updating System Configuration Set (SCS) software in response to weapon software upgrades and weapon carriage and release characteristics.

Hardware and software modifications may be incorporated for the following efforts: Universal Armament Interface (UAI), Air Intercept Missile (AIM)-7, AIM-120, AIM-9, Joint Standoff Weapon (JSOW), Joint Direct Attack Munition (JDAM), Laser JDAM (LJDAM), Guided Bomb Unit (GBU)-10/12/16/24 , Harpoon, Standoff Land Attack Missile Extended Range (SLAM-ER), underwater time bomb mines, aerial weapon fuzes, High Speed Anti-Radiation Missile (HARM), Advanced Anti-Radiation Guided Missile (AARGM), aircraft rocket systems, Advanced Guided Missile (AGM)-65 Maverick, M61 aerial rotary cannon, ALQ-99, ALQ-218, ALE-43, Cluster Bomb Units (CBUs), aerial countermeasure flares and smoke emitters, General Purpose (GP) bombs, Laser Guided Training Rounds (LGTRs), Small Diameter Bomb (SDB)-II, the Offensive Anti Surface Warfare (OASuW), Long Range Antiship Missile (LRASM), Miniature Air Launched Decoy (MALD), Next Generation Jammer (NGJ) pod, Bomb Releasable Unit (BRU)-32, BRU-55, Launcher Ariel Unit (LAU)-127, LAU-116, LAU-115, LAU-117, LAU-118, Adapter Unit (ADU)-773, SUU-62, SUU-63, SUU-78, SUU-79 and the SUU-80. This OSIP will provide aircraft platform growth flexibility with all upgrades to existing weapons, future weapons, and weapon subsystem upgrades to F/A-18A-F and EA-18G aircraft.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Weapons are procured with Weapons Procurement, Navy (WPN) funding. Hardware and software modifications to the aircraft in order to utilize the weapons are funded with APN-5.

Exhibit P-3a, Individual Modification: FY 2018 Navy		Date: May 2017
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	**P-1 Line Item Number / Title:** 0525 / F-18 Series	**Modification Number / Title:** 20 / Priority Stores Integration (OSIP 10-16)
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	
Models of Systems Affected: F/A-18A-F and EA-18G	**Modification Type:** CAPABILITY IMPROVEMENT	**Related RDT&E PEs:**

Financial Plan (*) Indicates the modification is being installed organically and no installation funds are required.	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 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)*
Procurement						
1.1.1) ECP XXXA - LAU-115 - Organic(*)	- / -	- / -	616 / 0.250	- / -	- / -	- / -
1.1.2) ECP XXXB - LAU-116 - Organic(*)	- / -	- / -	- / -	1,232 / 0.518	- / -	1,232 / 0.518
1.1.4) ECP XXXD - SUU-78 - Organic(*)	- / -	- / -	616 / 0.250	- / -	- / -	- / -
1.1.5) ECP XXXE - SUU-79 - Organic(*)	- / -	- / -	- / -	1,232 / 0.518	- / -	1,232 / 0.518
1.1.7) ECP XXXG - M61 Gun - Organic(*)	- / -	- / -	616 / 0.518	- / -	- / -	- / -
1.2.1) Installation Kits N/R - Organic(*)	- / -	- / -	- / 3.662	- / 3.206	- / -	- / 3.206
2.1.1) 29C (SCS) - Organic(*)	- / -	- / -	- / 1.821	- / -	- / -	- / -
2.1.2) 31C (SCS) - Organic(*)	- / -	- / -	- / -	- / 0.722	- / -	- / 0.722
2.1.3) H14 (SCS) - Organic(*)	- / -	- / -	- / 1.634	- / -	- / -	- / -
2.1.4) H16 (SCS) - Organic(*)	- / -	- / 1.993	- / -	- / 0.481	- / -	- / 0.481
Subtotal: Procurement	*- / 0.000*	*- / 1.993*	*- / 8.135*	*- / 5.445*	*- / -*	*- / 5.445*
Support						
3.5) ILS	- / -	- / 0.104	- / 0.390	- / 0.397	- / -	- / 0.397
3.6) Other Support	- / -	- / 11.468	- / 4.611	- / 4.694	- / -	- / 4.694
Subtotal: Support	*- / 0.000*	*- / 11.572*	*- / 5.001*	*- / 5.091*	*- / -*	*- / 5.091*
Installation						
Subtotal: Installation	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*
Total						
Total Cost (Procurement + Support + Installation)	**0.000**	**13.565**	**13.136**	**10.536**	**0.000**	**10.536**