

UNCLASSIFIED

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

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: 0560 / C-130 Series
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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
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Line Item MDAP/MAIS Code: 433

Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	610.716	53.667	83.541	79.075	0.000	79.075	130.646	143.223	133.364	134.197	350.746	1,719.175
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	610.716	53.667	83.541	79.075	0.000	79.075	130.646	143.223	133.364	134.197	350.746	1,719.175
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	610.716	53.667	83.541	79.075	0.000	79.075	130.646	143.223	133.364	134.197	350.746	1,719.175

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

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

Description:

DESCRIPTION: This item funds modifications to C/KC-130 aircraft. The Lockheed C/KC-130 aircraft is a four engine, high-wing, all metal, long range, land based monoplane capable of all weather transport of cargo or personnel and in-flight refueling. There are currently 96 aircraft in the Navy and Marine Corps inventory (53 active and 43 reserve). The expected Service Life is as follows:

T/M/S	Service Date	Service Life	Expected Life
C-130T	10/91 - 11/95	450 mos.	2028-2032
KC-130T	04/84 - 02/96	450 mos.	2021-2033
KC-130J	09/00 - 10/26	450 mos.	2037-2063

Secondary Distribution	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023
Navy	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	34.963	63.618	62.890	-	62.890	110.745	121.483	112.435
NR	Quantity	-	-	-	-	-	-	-	-
	Total Obligation Authority	18.704	19.923	16.185	-	16.185	19.901	21.740	20.929
Total:	Quantity	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	53.667	83.541	79.075	-	79.075	130.646	143.223	133.364

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

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:
0560 / C-130 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: 433

Exhibits Schedule					Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-3a	1 / C/KC-130 ISR / WEAPONS MISSION KIT (022-07) (Performance Enhancement)				- / 181.840	- / 13.133	- / 17.997	- / 13.361	- / 0.000	- / 13.361
P-3a	2 / Avionics /Obsolescence Upgrades (OSIP 008-12) (Safety / Readiness)				- / 87.201	- / 18.704	- / 19.923	- / 15.185	- / 0.000	- / 15.185
P-3a	3 / Electronic Counter Measures (OSIP 020-12) (Safety)				- / 82.969	- / 5.949	- / 3.338	- / 6.151	- / 0.000	- / 6.151
P-3a	4 / Technical Insertion (OSIP 019-14) (Safety / Reliability / Obsolescence)				- / 8.323	- / 13.263	- / 35.828	- / 43.592	- / 0.000	- / 43.592
P-3a	5 / Safety/Obsolescence Upgrades (OSIP 015-17) (Safety / Reliability / Obsolescence)				- / 0.000	- / 2.618	- / 6.455	- / 0.786	- / 0.000	- / 0.786
P-3a	6 / Inactive OSIPs (TBD)				- / 250.383	- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / 0.000
P-40	Total Gross/Weapon System Cost				- / 610.716	- / 53.667	- / 83.541	- / 79.075	- / 0.000	- / 79.075

Exhibits Schedule					FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-3a	1 / C/KC-130 ISR / WEAPONS MISSION KIT (022-07) (Performance Enhancement)				- / 28.260	- / 36.463	- / 30.122	- / 30.298	- / 99.494	- / 450.968
P-3a	2 / Avionics /Obsolescence Upgrades (OSIP 008-12) (Safety / Readiness)				- / 19.901	- / 21.740	- / 20.929	- / 21.579	- / 88.711	- / 313.873
P-3a	3 / Electronic Counter Measures (OSIP 020-12) (Safety)				- / 7.701	- / 7.804	- / 8.312	- / 8.637	- / 48.522	- / 179.383
P-3a	4 / Technical Insertion (OSIP 019-14) (Safety / Reliability / Obsolescence)				- / 71.922	- / 74.943	- / 72.162	- / 71.777	- / 110.729	- / 502.539
P-3a	5 / Safety/Obsolescence Upgrades (OSIP 015-17) (Safety / Reliability / Obsolescence)				- / 2.862	- / 2.273	- / 1.839	- / 1.906	- / 3.290	- / 22.029
P-3a	6 / Inactive OSIPs (TBD)				- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / 250.383
P-40	Total Gross/Weapon System Cost				- / 130.646	- / 143.223	- / 133.364	- / 134.197	- / 350.746	- / 1,719.175

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

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

Justification:
Basis for FY2019 Budget request: Provides funding to procure aircraft modifications to include Weapons Mission Kits, Electronic Countermeasures, Safety and Obsolescence Issues and Communication Navigation Surveillance System (CNS) Air Traffic Management (ATM) requirements such as Block Upgrade 7.0/8.1, and Avionics Obsolescence Upgrade (AOU) for the C/KC-130 program.

The FY 2019 funding request was reduced by \$18.819 million to account for the availability of prior year execution balances.

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Exhibit P-3a, Individual Modification: PB 2019 Navy		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0560 / C-130 Series	Modification Number / Title: 1 / C/KC-130 ISR / WEAPONS MISSION KIT (022-07)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	181.840	13.133	17.997	13.361	0.000	13.361	28.260	36.463	30.122	30.298	99.494	450.968
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	181.840	13.133	17.997	13.361	0.000	13.361	28.260	36.463	30.122	30.298	99.494	450.968
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	181.840	13.133	17.997	13.361	0.000	13.361	28.260	36.463	30.122	30.298	99.494	450.968

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

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

Description:

DESCRIPTION/JUSTIFICATION: The KC-130 provides air-to-air refueling (AAR), aviation delivered ground refueling, tactical troop transport, aerial delivery of personnel and cargo, airborne radio relay, Digital Interoperability (DI), tactical aero-medical evacuation, Intelligence, Surveillance, and Reconnaissance (ISR), and Close Air Support (CAS). The objective of this effort is to integrate an ISR and air-to-ground weapons systems kit into the KC-130J aircraft to provide the Marine Air-Ground Task Force (MAGTF) with an intra-theater CAS and ISR capability for real time intelligence gathering and target detection, identification, and tracking in support of weapons delivery. The ISR/Weapon System Kit will consist of a ISR pod, and wing mounted air-to-ground missiles and precision guided munitions. The system will be configured as a Roll-On/Roll-Off capability for rapid deployment. Future capabilities will support Digital Interoperability and include video and datalink connectivity, Beyond Line of Sight (BLOS)communications, Hellfire P4/N4 compatibility, recovery of external fuel stores, and dual AAR systems, improved human factors, Joint Air to Ground Munitions (JAGM), small diameter bombs and address obsolescence, test platform, and capability gaps.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: The KC-130J ISR/Weapons Mission Kit configuration provides Intelligence, Surveillance & Reconnaissance (ISR) Weapon System Capability and Close Air Support capability through both wing mounted munitions and cargo door mounted Standoff Precision Guided Munitions. The 6 baseline ISR/Weapons Mission Kits and 10 baseline aircraft modifications completed production in FY14. This OSIP provides funding to address obsolescence issues [update Battle Management System (BMS) for Hellfire P4/N4 variant missiles] and Joint Air Ground Munitions (JAGM), human factors issues, and fleet capability gaps (recover external fuel stores, recover dual Air-to-Air refueling systems, tactical datalink gap, and communications gap). A-Kits and B-Kits in FY18-FY23 address fleet capability gaps.

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Exhibit P-3a, Individual Modification: PB 2019 Navy										Date: February 2018			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0560 / C-130 Series					Modification Number / Title: 1 / C/KC-130 ISR / WEAPONS MISSION KIT (022-07)			
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:						
Models of Systems Affected: C/KC-130T/J				Modification Type: Performance Enhancement				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: C/KC-130 ISR / WEAPONS MISSION KIT (022-07)													
A Kits													
Recurring													
1.1.1) HH+ VDL A Kit - NonOrganic	10 / 3.750	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 3.750	
1.1.2) Harvest Hawk Plus A Kit - NonOrganic	10 / 3.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 3.000	
1.1.3) HH+ Radome A Kit - Organic	4 / 0.200	2 / 0.084	- / -	- / -	- / -	- / -	3 / 0.099	1 / 0.034	- / -	- / -	- / -	10 / 0.417	
1.1.4) Weapon @ OWS430 - NonOrganic	- / -	1 / 3.014	- / -	1 / 2.080	- / -	1 / 2.080	3 / 6.490	3 / 6.750	2 / 4.680	- / -	- / -	10 / 23.014	
1.1.5) JAGM A Kit - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.079	- / -	- / -	4 / 0.321	1 / 0.084	6 / 0.484	
1.1.6) 30MM Gun - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.325	5 / 1.127	6 / 1.452	
1.1.7) Archive - Organic	- / 27.684	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 27.684	
Subtotal: Recurring	- / 34.634	- / 3.098	- / -	- / 2.080	- / -	- / 2.080	- / 6.668	- / 6.784	- / 4.680	- / 0.646	- / 1.211	- / 59.801	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic	- / 5.280	- / 1.430	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.710	
Subtotal: Non-Recurring	- / 5.280	- / 1.430	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.000	- / 6.710	
B Kits													
Recurring													
2.1.2) 30MM Gun - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 5.913	5 / 37.552	
2.1.3) Weapons @ OWS430 - Organic	- / -	- / -	1 / 0.546	1 / 0.568	- / -	1 / 0.568	3 / 1.773	3 / 1.844	2 / 1.278	- / -	- / -	10 / 6.009	
2.1.4) GFE - Organic	- / 0.782	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.782	
2.1.5) Archive - Organic	- / 91.480	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 91.480	
Subtotal: Recurring	- / 92.262	- / -	- / 0.546	- / 0.568	- / -	- / 0.568	- / 1.773	- / 1.844	- / 1.278	- / 5.913	- / 37.552	- / 141.736	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic	- / 21.157	- / 0.131	- / -	- / -	- / -	- / -	- / 0.500	- / 1.175	- / -	- / 2.768	- / -	- / 25.731	
2.2.2) JAGM NRE - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.483	- / -	- / -	- / -	- / 6.483	
2.2.3) JAGM Testing - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.966	- / -	- / 4.360	- / -	- / -	- / 6.326	
2.2.4) JAGM Instrumentation - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.234	- / -	- / -	- / 1.234	
2.2.5) HH+ Testing - Organic	- / -	- / 0.995	- / 2.197	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.192	
2.2.6) 30MM Gun NRE - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.718	- / -	- / 6.718	
2.2.7) 30MM Gun Testing - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.300	- / 6.300	
2.2.8) Weapons @ OWS430 NRE - Organic	- / -	- / -	- / 7.719	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.719	

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Exhibit P-3a, Individual Modification: PB 2019 Navy		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0560 / C-130 Series	Modification Number / Title: 1 / C/KC-130 ISR / WEAPONS MISSION KIT (022-07)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Models of Systems Affected: C/KC-130T/J	Modification Type: Performance Enhancement	Related RDT&E PEs:
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Financial Plan	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
2.2.10) OWS430 Testing - Organic ⁽¹⁾	- / -	- / -	- / -	- / 14.252	- / -	- / 14.252	- / -	- / -	- / -	- / -	- / -	- / 14.252
<i>Subtotal: Non-Recurring</i>	- / 21.157	- / 1.126	- / 9.916	- / 14.252	- / -	- / 14.252	- / 2.466	- / 7.658	- / 5.594	- / 9.486	- / 6.300	- / 67.955
<i>Subtotal: C/KC-130 ISR / WEAPONS MISSION KIT (022-07)</i>	24 / 153.333	3 / 5.654	1 / 10.462	2 / 6.900	- / -	2 / 6.900	10 / 10.907	7 / 16.286	4 / 11.552	6 / 16.045	11 / 45.063	68 / 276.202
<i>Subtotal: Procurement, All Modification Items</i>	- / 153.333	- / 5.654	- / 10.462	- / 6.900	- / -	- / 6.900	- / 10.907	- / 16.286	- / 11.552	- / 16.045	- / 45.063	- / 276.202

Support (All Modification Items)												
3.2) Data	- / 0.648	- / 0.023	- / -	- / 0.050	- / -	- / 0.050	- / 0.050	- / 0.150	- / 0.150	- / 0.125	- / 0.250	- / 1.446
3.3) Training Equipment	- / 2.781	- / 2.208	- / -	- / 0.080	- / -	- / 0.080	- / 0.277	- / 0.135	- / 0.030	- / 0.275	- / 1.330	- / 7.116
3.4) Support Equipment	- / 2.309	- / 0.013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.500	- / -	- / 2.822
3.5) ILS	- / 4.184	- / 0.476	- / 0.447	- / 0.431	- / -	- / 0.431	- / 0.538	- / 0.467	- / 0.456	- / 0.907	- / 6.011	- / 13.917
3.6) Other Support ⁽²⁾	- / 8.943	- / 2.320	- / 3.411	- / 2.979	- / -	- / 2.979	- / 2.420	- / 3.589	- / 4.380	- / 4.519	- / 17.477	- / 50.038
3.7) Interim Contractor Support ⁽³⁾	- / 5.537	- / 1.638	- / 1.213	- / 2.921	- / -	- / 2.921	- / 2.266	- / 4.118	- / 3.670	- / 4.109	- / 14.608	- / 40.080
<i>Subtotal: Support</i>	- / 24.402	- / 6.678	- / 5.071	- / 6.461	- / -	- / 6.461	- / 5.551	- / 8.459	- / 8.686	- / 10.435	- / 39.676	- / 115.419

Installation												
<i>Modification Item 1 of 1: C/KC-130 ISR / WEAPONS MISSION KIT (022-07)</i>	- / 4.105	- / 0.801	- / 2.464	- / 0.000	- / 0.000	- / 0.000	- / 11.802	- / 9.461	- / 7.761	- / 3.818	- / 14.755	- / 54.967
<i>Subtotal: Installation</i>	- / 4.105	- / 0.801	- / 2.464	- / -	- / -	- / -	- / 11.802	- / 9.461	- / 7.761	- / 3.818	- / 14.755	- / 54.967

Total												
Total Cost (Procurement + Support + Installation)	181.840	13.133	17.997	13.361	0.000	13.361	28.260	36.463	30.122	30.298	99.494	450.968

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Exhibit P-3a, Individual Modification: PB 2019 Navy					Date: February 2018		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0560 / C-130 Series		Modification Number / Title: 1 / C/KC-130 ISR / WEAPONS MISSION KIT (022-07)		
ID Code (A=Service Ready, B=Not Service Ready) :					MDAP/MAIS Code:		
Modification Item 1 of 1: C/KC-130 ISR / WEAPONS MISSION KIT (022-07)							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 0			
Dates	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Contract Dates	Jan 2017						
Delivery Dates							
Manufacturer Name: TBD JAGM				Manufacturer Location: TBD			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 6			
Dates	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Contract Dates				Dec 2019	Dec 2020	Dec 2021	
Delivery Dates				May 2020	May 2021	May 2022	
Manufacturer Name: TBD OWS430				Manufacturer Location: TBD			
Administrative Leadtime (in Months): 3				Production Leadtime (in Months): 10			
Dates	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Contract Dates	Aug 2017		Jan 2019	Jan 2020	Jan 2021	Jan 2022	
Delivery Dates	May 2018		Oct 2019	Sep 2020	Sep 2021	Sep 2022	
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 0			
Dates	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Contract Dates							
Delivery Dates							
Manufacturer Name: Sierra Nevada - VDL				Manufacturer Location: Patuxent River MD			
Administrative Leadtime (in Months): 1				Production Leadtime (in Months): 11			
Dates	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Contract Dates							
Delivery Dates							
Manufacturer Name: TBD - BLOS				Manufacturer Location: TBD			
Administrative Leadtime (in Months): 9				Production Leadtime (in Months): 9			
Dates	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Contract Dates					Jun 2021	Jun 2022	

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Exhibit P-3a, Individual Modification: PB 2019 Navy		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0560 / C-130 Series	Modification Number / Title: 1 / C/KC-130 ISR / WEAPONS MISSION KIT (022-07)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Modification Item 1 of 1: C/KC-130 ISR / WEAPONS MISSION KIT (022-07)

Manufacturer Information

Dates	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Delivery Dates					Apr 2022	Apr 2023	

Installation Information

Method of Implementation: Depot Field Mod Team:: Installation Name: HH+ VDL A Kit

Installation Cost	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	10 / 2.805	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	0 / 0.000	10 / 2.805
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	10 / 2.805	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	0 / 0.000	10 / 2.805

Installation Schedule

	PYS	FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				FY 2023				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Out	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Method of Implementation: Contractor Drive-In Mod:: Installation Name: Harvest Hawk Plus A Kit

Installation Cost	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	4 / 1.300	2 / 0.801	- / -	- / -	- / -	- / -	3 / 4.625	1 / 1.819	- / -	- / -	0 / 0.000	10 / 8.545
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2019 Navy		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0560 / C-130 Series	Modification Number / Title: 1 / C/KC-130 ISR / WEAPONS MISSION KIT (022-07)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Modification Item 1 of 1: C/KC-130 ISR / WEAPONS MISSION KIT (022-07)

Installation Information

Method of Implementation: Contractor Drive-In Mod:: Installation Name: Harvest Hawk Plus A Kit

Installation Cost	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	4 / 1.300	2 / 0.801	- / -	- / -	- / -	- / -	3 / 4.625	1 / 1.819	- / -	- / -	0 / 0.000	10 / 8.545

Installation Schedule

	PYS	FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				FY 2023				TC	Tot		
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4				
In	4	-	-	2	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	10
Out	4	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	10

Method of Implementation: Contractor Drive-In Mod:: Installation Name: Weapon @ OWS430

Installation Cost	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	1 / 2.464	- / -	- / -	- / -	- / -	- / -	- / -	- / -	0 / 0.000	1 / 2.464
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	1 / 2.392	- / -	- / -	- / -	0 / 0.000	1 / 2.392
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	2 / 4.785	1 / 2.489	- / -	- / -	0 / 0.000	3 / 7.274
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 4.974	1 / 2.587	- / -	0 / 0.000	3 / 7.561
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 5.174	- / -	0 / 0.000	2 / 5.174
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	1 / 2.464	- / -	- / -	- / -	3 / 7.177	3 / 7.463	3 / 7.761	- / -	0 / 0.000	10 / 24.865

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2019 Navy		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0560 / C-130 Series	Modification Number / Title: 1 / C/KC-130 ISR / WEAPONS MISSION KIT (022-07)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Modification Item 1 of 1: C/KC-130 ISR / WEAPONS MISSION KIT (022-07)

Installation Information

Method of Implementation: Contractor Drive-In Mod:: Installation Name: Weapon @ OWS430

Installation Schedule

	PYS	FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				FY 2023				TC	Tot	
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
In	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	2	1	-	-	2	1	-	-	2	-	-	-	-	-	-	10
Out	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	2	1	-	-	2	1	-	-	2	-	-	-	-	-	10

Method of Implementation: Contractor Drive-In Mod:: Installation Name: JAGM A Kit

Installation Cost	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.179	- / -	- / -	0 / 0.000
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.974	0 / 0.000
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.251
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.179	- / -	4 / 0.974	1 / 0.251

Installation Schedule

	PYS	FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				FY 2023				TC	Tot		
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4				
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	4	-	1	6	
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	4	1	6

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2019 Navy		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0560 / C-130 Series	Modification Number / Title: 1 / C/KC-130 ISR / WEAPONS MISSION KIT (022-07)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Modification Item 1 of 1: C/KC-130 ISR / WEAPONS MISSION KIT (022-07)

Installation Information

Method of Implementation: Contractor Drive-In Mod:: Installation Name: 30MM Gun

Installation Cost	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 2.844	0 / 0.000	1 / 2.844
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 14.504	5 / 14.504
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 2.844	5 / 14.504	6 / 17.348

Installation Schedule

PYS	FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				FY 2023				TC	Tot
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	5	6
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	5	6

Method of Implementation (Organic): HH+ Radome A Kit - Not Installed **Installation Quantity:** 10

Method of Implementation (Organic): 30MM Gun - Not Installed **Installation Quantity:** 6

Method of Implementation (Organic): Weapons @ OWS430 - Not Installed **Installation Quantity:** 10

Footnotes:
 (1) FY19 Increase due to start of OWS430 Testing
 (2) FY19 increase due to start up of OWS430 modification.
 (3) FY18 ICS, covers the OEM HH+ support for completion of DT/OT FY19 ICS, covers the HH+ & OEM OWS-430 Test FY20 ICS, covers the HH+ & OEM OWS-430 Production Support FY21 ICS, covers the HH+ & OEM JAGM support FY22 ICS, covers the HH+ & OEM JAGM Test Support FY23 ICS, covers the HH+ & OEM OWS-430 & JAGM production completion, 30 MM Gun

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2019 Navy		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0560 / C-130 Series	Modification Number / Title: 2 / Avionics /Obsolescence Upgrades (OSIP 008-12)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	87.201	18.704	19.923	15.185	0.000	15.185	19.901	21.740	20.929	21.579	88.711	313.873
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	87.201	18.704	19.923	15.185	0.000	15.185	19.901	21.740	20.929	21.579	88.711	313.873
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	87.201	18.704	19.923	15.185	0.000	15.185	19.901	21.740	20.929	21.579	88.711	313.873

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

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

Description:

DESCRIPTION/JUSTIFICATION: Objective of the Avionics/Obsolescence Upgrades (AOU) Operational, Safety and Improvement Program is to preserve the world-wide capabilities of the C/KC-130 aircraft by providing required capability enhancements and addressing obsolescence. The legacy C/KC-130T model aircraft have been in service for 21 years and still retain many of their original systems which require upgrade to increase mission readiness, meet Communication, Navigation, and Surveillance/Air Traffic Management (CNS/ATM) requirements and address obsolescence issues. In addition obsolescence / Diminishing Manufacturing Sources (DMS) issues are already being realized on the KC-130J aircraft and will have to be addressed in the near future. These upgrades will include faster, more robust processing systems and integrated displays enabling compliance with CNS/ATM requirements. It will provide a growth path to Mode 5 and Joint Precision Landing systems. It will replace numerous avionics systems: radar, Tactical Air Navigation, data recorders, and gauges due to obsolescence or DMS. These upgrades will provide open-systems architecture and interfaces necessary to integrate Real-Time Information in the Cockpit. Changes will also be incorporated into existing training devices. In addition, obsolescence issues with the propeller synchrophaser and valve housing are the C/KC-130T top ten readiness degraders. Modification of these propeller control components via an Electronic Propeller Control System upgrade will mitigate this readiness degrader.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: AOU program affects 20 C-130T aircraft and is post MS-C, LRIP 2 approved. Government is Lead Systems Integrator for AOU, performing the majority of the NRE and installation of the validation and verification aircraft kits. Contract awarded for software integration NRE and non-developmental systems in September 2012. Government testing on validation aircraft began 2017 and continues into 2019. Verification aircraft will undergo installation through 2019, followed by production installs. USN KC-130T aircraft may require this upgrade as well, dependant upon status of transition to KC-130J aircraft.

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Exhibit P-3a, Individual Modification: PB 2019 Navy										Date: February 2018				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0560 / C-130 Series					Modification Number / Title: 2 / Avionics /Obsolescence Upgrades (OSIP 008-12)				
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:							
Models of Systems Affected: C/KC-130T/J				Modification Type: Safety / Readiness				Related RDT&E PEs:						
Financial Plan	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total		
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)		
Procurement														
<i>Modification Item 1 of 1: Avionics /Obsolescence Upgrades (OSIP 008-12)</i>														
A Kits														
Recurring														
1.1.1) A Kits - NonOrganic	2 / 2.513	1 / 1.433	1 / 1.462	1 / 1.491	- / -	1 / 1.491	2 / 3.041	2 / 3.102	2 / 3.164	2 / 3.228	6 / 10.374	19 / 29.808		
<i>Subtotal: Recurring</i>	- / 2.513	- / 1.433	- / 1.462	- / 1.491	- / -	- / 1.491	- / 3.041	- / 3.102	- / 3.164	- / 3.228	- / 10.374	- / 29.808		
Non-Recurring														
1.2.1) Installation Kits N/R - NonOrganic	1 / 24.528	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 24.528		
<i>Subtotal: Non-Recurring</i>	- / 24.528	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.000	- / 24.528		
B Kits														
Recurring														
2.1.1) B Kits - Organic	2 / 5.936	1 / 2.936	1 / 3.009	1 / 3.085	- / -	1 / 3.085	2 / 6.323	2 / 6.482	2 / 6.644	2 / 6.810	6 / 26.514	19 / 67.739		
<i>Subtotal: Recurring</i>	- / 5.936	- / 2.936	- / 3.009	- / 3.085	- / -	- / 3.085	- / 6.323	- / 6.482	- / 6.644	- / 6.810	- / 26.514	- / 67.739		
Non-Recurring														
2.2.1) NRE/TEST - Government - Organic ⁽⁴⁾	- / 3.504	- / 6.446	- / 8.250	- / 11.882	- / -	- / 11.882	- / -	- / -	- / -	- / -	- / -	- / 20.082		
2.2.2) NRE - Contractor - Organic	1 / 22.230	- / -	- / 11.247	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 23.477		
<i>Subtotal: Non-Recurring</i>	- / 25.734	- / 6.446	- / 9.497	- / 11.882	- / -	- / 11.882	- / -	- / -	- / -	- / -	- / 0.000	- / 43.559		
<i>Subtotal: Avionics /Obsolescence Upgrades (OSIP 008-12)</i>	6 / 58.711	2 / 10.815	2 / 13.968	2 / 6.458	- / -	2 / 6.458	4 / 9.364	4 / 9.584	4 / 9.808	4 / 10.038	12 / 36.888	40 / 165.634		
<i>Subtotal: Procurement, All Modification Items</i>	- / 58.711	- / 10.815	- / 13.968	- / 6.458	- / -	- / 6.458	- / 9.364	- / 9.584	- / 9.808	- / 10.038	- / 36.888	- / 165.634		
Support (All Modification Items)														
3.1) Data ⁽⁵⁾	- / 0.600	- / -	- / -	- / 1.363	- / -	- / 1.363	- / 1.508	- / 1.395	- / 0.686	- / 0.857	- / -	- / 6.409		
3.2) Training Equipment	- / 1.704	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.917	- / 11.621		
3.3) Support Equipment	- / 2.627	- / 0.295	- / 0.337	- / 0.270	- / -	- / 0.270	- / 0.675	- / 0.681	- / 0.286	- / 0.292	- / 0.912	- / 6.375		
3.4) ILS ⁽⁶⁾	- / 3.818	- / 0.974	- / 0.989	- / 1.360	- / -	- / 1.360	- / 1.732	- / 0.935	- / 0.944	- / 0.953	- / 1.469	- / 13.174		
3.5) Other Support ⁽⁷⁾	- / 15.973	- / 1.595	- / 2.066	- / 3.120	- / -	- / 3.120	- / 3.956	- / 3.705	- / 3.657	- / 3.780	- / 13.551	- / 51.403		
<i>Subtotal: Support</i>	- / 24.722	- / 2.864	- / 3.392	- / 6.113	- / -	- / 6.113	- / 7.871	- / 6.716	- / 5.573	- / 5.882	- / 25.849	- / 88.982		
Installation														

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Exhibit P-3a, Individual Modification: PB 2019 Navy										Date: February 2018			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0560 / C-130 Series					Modification Number / Title: 2 / Avionics /Obsolescence Upgrades (OSIP 008-12)			
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:						
Models of Systems Affected: C/KC-130T/J				Modification Type: Safety / Readiness				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Modification Item 1 of 1: Avionics /Obsolescence Upgrades (OSIP 008-12)	- / 3.768	- / 5.025	- / 2.563	- / 2.614	- / 0.000	- / 2.614	- / 2.666	- / 5.440	- / 5.548	- / 5.659	- / 25.974	- / 59.257	
<i>Subtotal: Installation</i>	- / 3.768	- / 5.025	- / 2.563	- / 2.614	- / -	- / 2.614	- / 2.666	- / 5.440	- / 5.548	- / 5.659	- / 25.974	- / 59.257	
Total													
Total Cost (Procurement + Support + Installation)	87.201	18.704	19.923	15.185	0.000	15.185	19.901	21.740	20.929	21.579	88.711	313.873	

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Exhibit P-3a, Individual Modification: PB 2019 Navy		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0560 / C-130 Series	Modification Number / Title: 2 / Avionics /Obsolescence Upgrades (OSIP 008-12)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Modification Item 1 of 1: Avionics /Obsolescence Upgrades (OSIP 008-12)

Manufacturer Information

Manufacturer Name: Multiple	Manufacturer Location: TBD - A Kits
Administrative Leadtime (in Months): 10	Production Leadtime (in Months): 12

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

Installation Information

Method of Implementation: Contractor Drive In Mod:: Installation Name: AOU

Installation Cost	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	2 / 3.768	1 / 5.025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	0 / 0.000	3 / 8.793
FY 2017	- / -	- / -	1 / 2.563	- / -	- / -	- / -	- / -	- / -	- / -	- / -	0 / 0.000	1 / 2.563
FY 2018	- / -	- / -	- / -	1 / 2.614	0 / 0.000	1 / 2.614	- / -	- / -	- / -	- / -	0 / 0.000	1 / 2.614
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	1 / 2.666	- / -	- / -	- / -	0 / 0.000	1 / 2.666
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 5.440	- / -	- / -	0 / 0.000	2 / 5.440
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 5.548	- / -	0 / 0.000	2 / 5.548
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 5.659	0 / 0.000	2 / 5.659
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 6.350	2 / 6.350
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 19.624	6 / 19.624
Total	2 / 3.768	1 / 5.025	1 / 2.563	1 / 2.614	0 / 0.000	1 / 2.614	1 / 2.666	2 / 5.440	2 / 5.548	2 / 5.659	8 / 25.974	20 / 59.257

Installation Schedule

	PYS	FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				FY 2023				TC	Tot	
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
In	2	-	-	-	1	-	-	1	-	-	-	-	1	-	-	-	1	-	2	-	-	-	2	-	-	-	2	-	-	-	8	20
Out	1	-	-	-	-	1	-	1	-	-	-	1	-	-	-	1	-	-	1	-	-	2	-	-	-	2	-	-	-	2	8	20

Method of Implementation (Organic): B Kits **Installation Quantity:** 19

Method of Implementation (Organic): NRE - Contractor - Not Installed **Installation Quantity:** 1

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Exhibit P-3a, Individual Modification: PB 2019 Navy		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0560 / C-130 Series	Modification Number / Title: 2 / Avionics /Obsolescence Upgrades (OSIP 008-12)
ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:
Footnotes: (4) Government Mission Suitability Evaluation begins in late FY16 and continues through FY18 to support FY19 IOC. Test increase in FY18/FY19 is due to Software Delays and availability of flight worthy propellers due to current C/KC-130T Red Stripe. (5) FY19 Data increase is to support IOC. (6) AOU program CNS ATM funding will be provided for program support in FY18 through FY21. (7) AOU program CNS ATM funding will be provided for program support in FY18 through FY21.		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2019 Navy		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0560 / C-130 Series	Modification Number / Title: 3 / Electronic Counter Measures (OSIP 020-12)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	82.969	5.949	3.338	6.151	0.000	6.151	7.701	7.804	8.312	8.637	48.522	179.383
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	82.969	5.949	3.338	6.151	0.000	6.151	7.701	7.804	8.312	8.637	48.522	179.383
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	82.969	5.949	3.338	6.151	0.000	6.151	7.701	7.804	8.312	8.637	48.522	179.383

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

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

Description:

DESCRIPTION/JUSTIFICATION: The KC-130 provides air-to-air refueling, rapid ground refueling, tactical troop transport, aerial delivery of personnel and cargo, airborne radio relay, Digital Interoperability (DI), tactical aero-medical evacuation, intelligence, surveillance, and reconnaissance (ISR), and Close Air Support (CAS). This OSIP provides funding for the addition of new Aircraft Survivability Equipment (ASE), including Department of the Navy (DoN) Large Aircraft Infrared Counter Measures (LAIRCM) with Advanced Threat Warning (ATW) and the KC-130J Adjustable Ballast System (JABS) to the KC-130J Aircraft which will increase survivability and allow the aircraft to operate under expanded threat environments, thereby increasing combat effectiveness. Aircraft operations, such as Harvest HAWK missions, include exposure to threats against which the current ASE is not effective. The addition of LAIRCM (ATW) to the KC-130J expands the aircrafts capability to perform its core Mission Essential Tasking in any infrared threat environment. This OSIP also provides funding to ensure the most effective threat adaptive, reprogrammable, computer controlled threat defeating capabilities for the Defensive Electronic Counter Measures (DECM) portion of the ASE to increase combat effectiveness.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: The USMC is leveraging off of integration development and testing performed by the USAF to provide LAIRCM for its C-130J and HC/MC-130J to minimize Non-Recurring Engineering (NRE), test, and installation costs. The USMC is also leveraging off of DoN LAIRCM platforms to provide a common solution among naval platforms and to reduce Operations and Support (O&S) costs. Modification of aircraft will be performed as a Drive-In Modification.

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Exhibit P-3a, Individual Modification: PB 2019 Navy										Date: February 2018				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0560 / C-130 Series					Modification Number / Title: 3 / Electronic Counter Measures (OSIP 020-12)				
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:							
Models of Systems Affected: C/KC-130T/J				Modification Type: Safety				Related RDT&E PEs:						
Financial Plan	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total		
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)		
Procurement														
<i>Modification Item 1 of 1:</i> Electronic Counter Measures (OSIP 020-12)														
A Kits														
Recurring														
1.1.1) LAIRCM A Kit - NonOrganic ⁽⁸⁾	18 / 4.862	- / -	3 / 1.912	3 / 2.035	- / -	3 / 2.035	3 / 2.150	3 / 2.222	3 / 2.297	3 / 2.375	18 / 10.804	54 / 28.657		
1.1.2) LAIRCM JABS - NonOrganic ⁽⁹⁾	1 / 0.130	2 / 0.077	2 / 0.086	9 / 0.462	- / -	9 / 0.462	9 / 0.480	6 / 0.333	6 / 0.404	7 / 0.420	12 / 0.924	54 / 3.316		
<i>Subtotal: Recurring</i>	- / 4.992	- / 0.077	- / 1.998	- / 2.497	- / -	- / 2.497	- / 2.630	- / 2.555	- / 2.701	- / 2.795	- / 11.728	- / 31.973		
Non-Recurring														
1.2.1) NRE - Contractor - Organic	- / 22.078	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 22.078		
<i>Subtotal: Non-Recurring</i>	- / 22.078	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.000	- / 22.078		
B Kits														
Recurring														
2.1.1) LAIRCM B Kit - Organic	12 / 17.634	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 17.634		
2.1.2) Meons - Organic	7 / 0.612	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.113	- / 0.115	- / 0.116	7 / 0.956		
2.1.3) PCMCIA Cards - Organic	- / -	- / 0.038	- / -	- / -	- / -	- / -	- / 0.007	- / 0.005	- / 0.049	- / 0.050	- / -	- / 0.149		
2.1.4) GFE - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.471	- / 0.471		
<i>Subtotal: Recurring</i>	- / 18.246	- / 0.038	- / -	- / -	- / -	- / -	- / 0.007	- / 0.005	- / 0.162	- / 0.165	- / 0.587	- / 19.210		
Non-Recurring														
2.2.1) NRE/Test - Government - Organic	- / 10.622	- / 0.517	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 11.139		
<i>Subtotal: Non-Recurring</i>	- / 10.622	- / 0.517	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.000	- / 11.139		
<i>Subtotal: Electronic Counter Measures (OSIP 020-12)</i>	38 / 55.938	2 / 0.632	5 / 1.998	12 / 2.497	- / -	12 / 2.497	12 / 2.637	9 / 2.560	9 / 2.863	10 / 2.960	30 / 12.315	127 / 84.400		
<i>Subtotal: Procurement, All Modification Items</i>	- / 55.938	- / 0.632	- / 1.998	- / 2.497	- / -	- / 2.497	- / 2.637	- / 2.560	- / 2.863	- / 2.960	- / 12.315	- / 84.400		
Support (All Modification Items)														
3.1) Data	- / 0.097	- / 0.016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.113		
3.2) Training Equipment	- / 0.386	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.386		
3.3) Support Equipment	- / 1.096	- / 0.108	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.204		
3.4) ILS	- / 2.814	- / 0.852	- / 0.686	- / 0.605	- / -	- / 0.605	- / 0.597	- / 0.608	- / 0.597	- / 0.621	- / 1.786	- / 9.166		
3.5) Other Support	- / 9.405	- / 1.235	- / 0.654	- / 0.671	- / -	- / 0.671	- / 0.486	- / 0.495	- / 0.691	- / 0.678	- / 2.862	- / 17.177		
<i>Subtotal: Support</i>	- / 13.798	- / 2.211	- / 1.340	- / 1.276	- / -	- / 1.276	- / 1.083	- / 1.103	- / 1.288	- / 1.299	- / 4.648	- / 28.046		
Installation														

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2019 Navy		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0560 / C-130 Series	Modification Number / Title: 3 / Electronic Counter Measures (OSIP 020-12)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Models of Systems Affected: C/KC-130T/J	Modification Type: Safety	Related RDT&E PEs:
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Financial Plan	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Modification Item 1 of 1: Electronic Counter Measures (OSIP 020-12)	- / 13.233	- / 3.106	- / 0.000	- / 2.378	- / 0.000	- / 2.378	- / 3.981	- / 4.141	- / 4.161	- / 4.378	- / 31.559	- / 66.937
<i>Subtotal: Installation</i>	- / 13.233	- / 3.106	- / -	- / 2.378	- / -	- / 2.378	- / 3.981	- / 4.141	- / 4.161	- / 4.378	- / 31.559	- / 66.937
Total												
Total Cost (Procurement + Support + Installation)	82.969	5.949	3.338	6.151	0.000	6.151	7.701	7.804	8.312	8.637	48.522	179.383

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2019 Navy		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0560 / C-130 Series	Modification Number / Title: 3 / Electronic Counter Measures (OSIP 020-12)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Modification Item 1 of 1: Electronic Counter Measures (OSIP 020-12)

Manufacturer Information

Manufacturer Name: Lockheed Martin - LAIRCM	Manufacturer Location: Marietta, GA
Administrative Leadtime (in Months): 4	Production Leadtime (in Months): 26

Dates	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Contract Dates	Jan 2017	Jan 2018	Jan 2019	Jan 2020	Jan 2021	Jan 2022	Jan 2023
Delivery Dates	May 2018	Mar 2020	Mar 2021	Mar 2022	Mar 2023	Mar 2024	Mar 2025

Installation Information

Method of Implementation: Contractor Drive-In Modification:: Installation Name: LAIRCM A Kit

Installation Cost	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	13 / 13.064	3 / 3.005	- / -	2 / 2.292	0 / 0.000	2 / 2.292	- / -	- / -	- / -	- / -	0 / 0.000	18 / 18.361
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	3 / 3.577	- / -	- / -	- / -	0 / 0.000	3 / 3.577
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 3.720	- / -	- / -	0 / 0.000	3 / 3.720
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 3.869	- / -	0 / 0.000	3 / 3.869
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 4.024	0 / 0.000	3 / 4.024
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 4.104	3 / 4.104
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 4.186	3 / 4.186
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	18 / 21.806	18 / 21.806
Total	13 / 13.064	3 / 3.005	- / -	2 / 2.292	0 / 0.000	2 / 2.292	3 / 3.577	3 / 3.720	3 / 3.869	3 / 4.024	24 / 30.096	54 / 63.647

Installation Schedule

	PYS	FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				FY 2023				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	13	2	1	-	-	-	-	-	-	1	1	-	-	-	3	-	-	-	3	-	-	-	3	-	-	-	3	-	-	24	54
Out	9	4	2	1	-	-	-	-	-	-	1	1	-	-	-	3	-	-	-	3	-	-	-	3	-	-	-	3	-	24	54

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2019 Navy		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0560 / C-130 Series	Modification Number / Title: 3 / Electronic Counter Measures (OSIP 020-12)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Modification Item 1 of 1: Electronic Counter Measures (OSIP 020-12)

Installation Information

Method of Implementation: [none specified]:: Installation Name: LAIRCM JABS

Installation Cost	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	1 / 0.169	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	0 / 0.000	1 / 0.169
FY 2017	- / -	2 / 0.101	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	0 / 0.000	2 / 0.101
FY 2018	- / -	- / -	- / -	2 / 0.086	0 / 0.000	2 / 0.086	- / -	- / -	- / -	- / -	0 / 0.000	2 / 0.086
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	9 / 0.404	- / -	- / -	- / -	0 / 0.000	9 / 0.404
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 0.421	- / -	- / -	0 / 0.000	9 / 0.421
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.292	- / -	0 / 0.000	6 / 0.292
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.354	0 / 0.000	6 / 0.354
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 0.539	7 / 0.539
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.924	12 / 0.924
Total	1 / 0.169	2 / 0.101	- / -	2 / 0.086	0 / 0.000	2 / 0.086	9 / 0.404	9 / 0.421	6 / 0.292	6 / 0.354	19 / 1.463	54 / 3.290

Installation Schedule																															
PYS	FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				FY 2023				TC	Tot	
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
In	1	-	-	2	-	-	-	-	-	2	-	-	-	3	3	3	-	3	3	3	-	2	2	2	-	2	2	2	-	19	54
Out	1	-	-	-	2	-	-	-	-	-	2	-	-	-	3	3	3	-	3	3	3	-	2	2	2	-	2	2	2	19	54

Method of Implementation (Organic): LAIRCM B Kit - Not Installed	Installation Quantity: 12
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Method of Implementation (Organic): Meons - Not Installed	Installation Quantity: 7
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Footnotes:

- (8) Aircraft equipped with A Kits can operate with or without B Kits.
- (9) LAIRCM modified aircraft require a JABS kit installed prior to flight

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Exhibit P-3a, Individual Modification: PB 2019 Navy		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0560 / C-130 Series	Modification Number / Title: 4 / Technical Insertion (OSIP 019-14)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	8.323	13.263	35.828	43.592	0.000	43.592	71.922	74.943	72.162	71.777	110.729	502.539
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	8.323	13.263	35.828	43.592	0.000	43.592	71.922	74.943	72.162	71.777	110.729	502.539
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	8.323	13.263	35.828	43.592	0.000	43.592	71.922	74.943	72.162	71.777	110.729	502.539

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

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

Description:

DESCRIPTION/JUSTIFICATION: Technical Insertion provides for the incorporation and/or Tactical Demonstration (TACDEMO) of new or updated technologies to support safety, reliability, supportability, obsolescence, deficiency correction, mandated modifications, commonality, Digital Interoperability (DI), Electronic Warfare (EW), interoperability or affordability of the C/KC-130 platform. Technical Insertion updates support those technology initiatives that apply to aircraft avionics, navigation, communications, transponders, sensors, transmitters, antennae, mission computers and associated systems, electronic mission systems, or other electronic aircraft systems.

Current modifications include: KC-130J Block Upgrade 7.0/8.1, which includes Communication Navigation Surveillance System (CNS) Air Traffic Management (ATM) mandates (new Flight Management System (FMS), transponder and Mission Computer updates for Required Navigation Performance (RNP) and Area Navigation (RNAV) and Automatic Dependent Surveillance - Broadcast (ADS-B) Out, safety improvements (improved Intercom System (ICS) Portable Audio (PA) System and enhanced covert lighting), deficiency correction Telecommunications Electronics Material Protected from Emanating Spurious Transmissions (TEMPEST) compliance), and DI updates (Mode 5 Identification Friend and Foe (IFF) and Link 16).

Future modifications could include: Capability Management Upgrade (CMU) with FMS performance enhancements to ensure future mission readiness of the KC-130J fleet. Software Reprogrammable Payload (SRP), the Blue Force Tracker (BFT) Blue Force Situational Awareness (BFSA) initiative, and KuSS Beyond Line of Sight (BLOS) to support DI within the Marine Air Ground Task Force (MAGTF) and across the services. The RADAR Receiver Upgrade addresses the obsolete APS-133 Radar Set which is the #1 avionics system level readiness degrader for the legacy C/KC-130 aircraft, providing enhanced reliability and supportability. The Tactical Air Navigation System (TACAN) upgrade addresses the obsolescence of the ARN-139 TACAN Set, which is only installed on Navy and Marine C/KC-130 aircraft and is no longer maintained due to lack of spare components.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Block 7.0 / Block 8.1 peculiar NRE started in FY15 with the first Trial Kit Install in FY17; the upgrade consists of 59 kits and installs starting in FY17 and completing beyond the FYDP.

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Exhibit P-3a, Individual Modification: PB 2019 Navy										Date: February 2018			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0560 / C-130 Series					Modification Number / Title: 4 / Technical Insertion (OSIP 019-14)			
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:						
Models of Systems Affected: KC-130T/J				Modification Type: Safety / Reliability / Obsolescence				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 1:</i> Technical Insertion (OSIP 019-14)													
A Kits													
Recurring													
1.1.1) A Kit 7.0/8.1 Block Upgrade - NonOrganic	- / -	- / -	5 / 7.545	9 / 13.989	- / -	9 / 13.989	10 / 16.009	10 / 16.489	11 / 18.682	12 / 20.990	1 / 1.802	58 / 95.506	
1.1.2) A Kit ADS-B Out - NonOrganic	53 / 0.134	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	53 / 0.134	
<i>Subtotal: Recurring</i>	- / 0.134	- / -	- / 7.545	- / 13.989	- / -	- / 13.989	- / 16.009	- / 16.489	- / 18.682	- / 20.990	- / 1.802	- / 95.640	
Non-Recurring													
1.2.1) Installation Kit N/R Block Upgrade - Organic	- / 2.163	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.163	
<i>Subtotal: Non-Recurring</i>	- / 2.163	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.000	- / 2.163	
B Kits													
Recurring													
2.1.1) Block 7.08/8.1 GFE - Organic ⁽¹⁰⁾	- / -	- / -	- / -	3 / 2.707	- / -	3 / 2.707	10 / 9.473	6 / 5.968	5 / 5.222	3 / 3.290	59 / 67.934	86 / 94.594	
2.1.2) B Kit 7.0/8.1 Block Upgrade - Organic	- / -	- / -	5 / 11.734	9 / 21.756	- / -	9 / 21.756	10 / 24.898	10 / 25.645	11 / 29.057	12 / 32.648	1 / 2.802	58 / 148.540	
<i>Subtotal: Recurring</i>	- / 0.000	- / -	- / 11.734	- / 24.463	- / -	- / 24.463	- / 34.371	- / 31.613	- / 34.279	- / 35.938	- / 70.736	- / 243.134	
Non-Recurring													
2.2.1) ADS-B Out NRE - Organic	- / -	- / 0.005	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.005	
2.2.2) Installation Kit N/R Block Upgrade - Organic	- / 4.516	- / 3.724	- / 2.707	- / 2.568	- / -	- / 2.568	- / -	- / -	- / -	- / -	- / -	- / 13.515	
<i>Subtotal: Non-Recurring</i>	- / 4.516	- / 3.729	- / 2.707	- / 2.568	- / -	- / 2.568	- / -	- / -	- / -	- / -	- / 0.000	- / 13.520	
<i>Subtotal: Technical Insertion (OSIP 019-14)</i>	53 / 6.813	- / 3.729	10 / 21.986	21 / 41.020	- / -	21 / 41.020	30 / 50.380	26 / 48.102	27 / 52.961	27 / 56.928	61 / 72.538	255 / 354.457	
<i>Subtotal: Procurement, All Modification Items</i>	- / 6.813	- / 3.729	- / 21.986	- / 41.020	- / -	- / 41.020	- / 50.380	- / 48.102	- / 52.961	- / 56.928	- / 72.538	- / 354.457	
Support (All Modification Items)													
3.2) Data Block Upgrade	- / -	- / 0.810	- / 0.810	- / 0.419	- / -	- / 0.419	- / -	- / -	- / -	- / -	- / -	- / 2.039	
3.3) Training Equipment Block Upgrade ⁽¹¹⁾	- / -	- / 6.500	- / 9.400	- / -	- / -	- / -	- / 12.504	- / 13.842	- / 4.387	- / -	- / -	- / 46.633	
3.4) Support Equipment Block Upgrade	- / -	- / 0.125	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.125	
3.5) ILS Block Upgrade	- / 0.546	- / 0.421	- / 0.905	- / 1.003	- / -	- / 1.003	- / 1.016	- / 1.188	- / 1.224	- / 1.260	- / 2.635	- / 10.198	
3.6) ILS ADS-B Out	- / -	- / 0.354	- / 0.169	- / 0.121	- / -	- / 0.121	- / -	- / -	- / -	- / -	- / -	- / 0.644	
3.7) Other Support Block Upgrade	- / 0.964	- / 0.478	- / 0.623	- / 0.776	- / -	- / 0.776	- / 0.762	- / 0.903	- / 0.930	- / 0.958	- / 2.003	- / 18.397	
3.8) Other Support ADS-B Out	- / -	- / 0.846	- / 0.248	- / 0.253	- / -	- / 0.253	- / -	- / -	- / -	- / -	- / -	- / 1.347	
<i>Subtotal: Support</i>	- / 1.510	- / 9.534	- / 12.155	- / 2.572	- / -	- / 2.572	- / 14.282	- / 15.933	- / 6.541	- / 2.218	- / 4.638	- / 69.383	
Installation													

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

Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1 **P-1 Line Item Number / Title:** 0560 / C-130 Series **Modification Number / Title:** 4 / Technical Insertion (OSIP 019-14)

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

Models of Systems Affected: KC-130T/J **Modification Type:** Safety / Reliability / Obsolescence **Related RDT&E PEs:**

Financial Plan	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Modification Item 1 of 1: Technical Insertion (OSIP 019-14)	- / 0.000	- / 0.000	- / 1.687	- / 0.000	- / 0.000	- / 0.000	- / 6.014	- / 9.538	- / 11.071	- / 11.594	- / 28.680	- / 68.584
<i>Subtotal: Installation</i>	- / 0.000	- / -	- / 1.687	- / -	- / -	- / -	- / 6.014	- / 9.538	- / 11.071	- / 11.594	- / 28.680	- / 68.584
Total												
Total Cost (Procurement + Support + Installation)	8.323	13.263	35.828	43.592	0.000	43.592	71.922	74.943	72.162	71.777	110.729	502.539

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Exhibit P-3a, Individual Modification: PB 2019 Navy		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0560 / C-130 Series	Modification Number / Title: 4 / Technical Insertion (OSIP 019-14)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Modification Item 1 of 1: Technical Insertion (OSIP 019-14)

Manufacturer Information

Manufacturer Name: Lockheed Martin - Block Upgrade				Manufacturer Location: Greenville, SC			
Administrative Leadtime (in Months): 5				Production Leadtime (in Months): 24			
Dates	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Contract Dates		Feb 2018	Feb 2019	Feb 2020	Feb 2021	Feb 2022	
Delivery Dates		Feb 2020	Feb 2021	Feb 2022	Feb 2023	Feb 2024	

Manufacturer Name: D.T. Brown Inc				Manufacturer Location: Bohemia, NY			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 4			
Dates	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: Contractor Drive-In Mod:: Installation Name: A Kit 7.0/8.1 Block Upgrade

Installation Cost	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	5 / 6.014	- / -	- / -	- / -	0 / 0.000	5 / 6.014
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 9.538	- / -	- / -	0 / 0.000	9 / 9.538
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 11.071	- / -	0 / 0.000	10 / 11.071
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 11.594	0 / 0.000	10 / 11.594
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 13.145	11 / 13.145
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 14.340	12 / 14.340
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.195	1 / 1.195
Total	- / -	- / -	- / -	- / -	- / -	- / -	5 / 6.014	9 / 9.538	10 / 11.071	10 / 11.594	24 / 28.680	58 / 66.897

Installation Schedule

	PYS	FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				FY 2023				TC	Tot	
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	1	-	3	3	3	-	4	3	3	-	4	3	3	3	24	58
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	1	-	3	3	3	-	4	3	3	3	-	4	30	58

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2019 Navy		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0560 / C-130 Series	Modification Number / Title: 4 / Technical Insertion (OSIP 019-14)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Modification Item 1 of 1: Technical Insertion (OSIP 019-14)

Installation Information

Method of Implementation: Contractor Drive-In Mod:: Installation Name: A Kit ADS-B Out

Installation Cost	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	53 / 1.687	- / -	- / -	- / -	- / -	- / -	- / -	- / -	0 / 0.000	53 / 1.687
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2021	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2023	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	53 / 1.687	- / -	- / -	- / -	- / -	- / -	- / -	- / -	0 / 0.000	53 / 1.687

Installation Schedule

PYS	FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				FY 2023				TC	Tot
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	15	14	12	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53
Out	-	-	-	-	-	15	14	12	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53

Method of Implementation (Organic): Block 7.08/8.1 GFE - Not Installed **Installation Quantity:** 86

Method of Implementation (Organic): B Kit 7.0/8.1 Block Upgrade - Not Installed **Installation Quantity:** 58

Footnotes:
⁽¹⁰⁾ Block Upgrade Modifications require STAR IX Mission Computers (MC) as GFE prerequisite to install (2 per A/C). Current fleet assets in the amount of qty. 14 cover installs for FY18/FY19 kits. GFE procurements beginning in FY20 will support all future Block Upgrade
⁽¹¹⁾ FY17 increase due to initial modification to Weapon System Trainer (WST) and associated NRE for Block Upgrade incorporation.

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Exhibit P-3a, Individual Modification: PB 2019 Navy		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0560 / C-130 Series	Modification Number / Title: 5 / Safety/Obsolescence Upgrades (OSIP 015-17)

ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	2.618	6.455	0.786	0.000	0.786	2.862	2.273	1.839	1.906	3.290	22.029
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	0.000	2.618	6.455	0.786	0.000	0.786	2.862	2.273	1.839	1.906	3.290	22.029
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	2.618	6.455	0.786	0.000	0.786	2.862	2.273	1.839	1.906	3.290	22.029

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

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

Description:

This line item funds modifications to Navy C/KC-130 aircraft. To ensure preservation of Marine Air Ground Task Force (MAGTF) Assault Support and Navy-Unique Fleet Essential Aircraft capabilities world-wide, this Safety, Reliability and Obsolescence Improvement OSIP provides funding for issues that adversely affect aircraft safety, reliability and/or availability. Applicable areas include Power and Propulsion, Airframes and Structures, Safety and Life Support, Electrical Power, and Survivability.

The current KC-130 aircraft do not have crashworthy observer seats in the cargo compartment. This is a critical safety issue due to the mission of the KC-130 aircraft. Funding will begin in FY17. The Power Unit Accessory Drive (PUAD) drain kits for the AE2100 Engine are required to address an issue during maintenance in which the engines are flooded resulting in a FOD situation and mandates removal and overhaul of the engine affecting reliability, availability and impacting mission readiness. The KC-130J Legacy Smoke Mask is designed to be worn with separate smoke goggles. The two piece oxygen mask/smoke goggle system requires two hand donning, which results in extended donning times in a smoke or fumes emergency. Additionally, the separate legacy smoke goggles do not seal properly to crew members faces, causing smoke to fill the goggles and encumber the crews ability to act in a smoke or fumes emergency. Current ICS system is a hardwire solution that impedes the aircrews ability to carry out critical mission sets. A wireless ICS system will provide safer, unrestricted mobility for crew members to perform critical missions such as Aerial Cargo Delivery, Rapid Ground Refueling, and Aerial Refueling. In addition, a wireless ICS facilitates crew members egress in the event of an emergency.

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Exhibit P-3a, Individual Modification: PB 2019 Navy										Date: February 2018			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0560 / C-130 Series					Modification Number / Title: 5 / Safety/Obsolescence Upgrades (OSIP 015-17)			
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:						
Models of Systems Affected: KC-130J/T				Modification Type: Safety / Reliability / Obsolescence				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
<i>Modification Item 1 of 1: Safety/Obsolescence Upgrades (OSIP 015-17)</i>													
B Kits													
Recurring													
2.1.1) KC-130J Observer Seat B Kit - Organic	- / -	- / -	63 / 6.102	4 / 0.345	- / -	4 / 0.345	24 / 2.360	18 / 1.800	15 / 1.464	15 / 1.512	19 / 2.466	158 / 16.049	
2.1.2) KC-130J PUAD B-Kit - Organic	- / -	266 / 2.394	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	266 / 2.394	
<i>Subtotal: Recurring</i>	- / 0.000	- / 2.394	- / 6.102	- / 0.345	- / -	- / 0.345	- / 2.360	- / 1.800	- / 1.464	- / 1.512	- / 2.466	- / 18.443	
<i>Subtotal: Safety/Obsolescence Upgrades (OSIP 015-17)</i>	- / -	266 / 2.394	63 / 6.102	4 / 0.345	- / -	4 / 0.345	24 / 2.360	18 / 1.800	15 / 1.464	15 / 1.512	19 / 2.466	424 / 18.443	
<i>Subtotal: Procurement, All Modification Items</i>	- / 0.000	- / 2.394	- / 6.102	- / 0.345	- / -	- / 0.345	- / 2.360	- / 1.800	- / 1.464	- / 1.512	- / 2.466	- / 18.443	
Support (All Modification Items)													
3.2) KC-130J Observer Seat Support Equipment	- / -	- / -	- / -	- / 0.087	- / -	- / 0.087	- / 0.053	- / 0.024	- / -	- / -	- / -	- / 0.164	
3.4) KC-130J Observer Seat ILS	- / -	- / 0.107	- / 0.181	- / 0.185	- / -	- / 0.185	- / 0.233	- / 0.232	- / 0.196	- / 0.205	- / 0.429	- / 1.768	
3.5) KC-130J Observer Seat Other Support	- / -	- / 0.117	- / 0.172	- / 0.169	- / -	- / 0.169	- / 0.216	- / 0.217	- / 0.179	- / 0.189	- / 0.395	- / 1.654	
<i>Subtotal: Support</i>	- / 0.000	- / 0.224	- / 0.353	- / 0.441	- / -	- / 0.441	- / 0.502	- / 0.473	- / 0.375	- / 0.394	- / 0.824	- / 3.586	
Installation													
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	0.000	2.618	6.455	0.786	0.000	0.786	2.862	2.273	1.839	1.906	3.290	22.029	

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Exhibit P-3a, Individual Modification: PB 2019 Navy		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0560 / C-130 Series	Modification Number / Title: 5 / Safety/Obsolescence Upgrades (OSIP 015-17)
ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:
Modification Item 1 of 1: Safety/Obsolescence Upgrades (OSIP 015-17)		

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Exhibit P-3a, Individual Modification: PB 2019 Navy	Date: February 2018
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Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0560 / C-130 Series	Modification Number / Title: 6 / Inactive OSIPs
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ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:
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Resource Summary	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	250.383	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	250.383
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	250.383	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	250.383
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	250.383	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	250.383

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

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

Description:

Inactive OSIPs prior year totals.

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

Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0560 / C-130 Series	Modification Number / Title: 6 / Inactive OSIPs
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ID Code (A=Service Ready, B=Not Service Ready) : **MDAP/MAIS Code:**

Models of Systems Affected: [No Model Specified] **Modification Type:** TBD **Related RDT&E PEs:**

Financial Plan	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Procurement												
<i>Modification Item 1 of 1:</i> Inactive OSIPs												
A Kits												
Recurring												
1.1.1) Inactive OSIPs - Organic	- / 250.383	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 250.383
<i>Subtotal: Recurring</i>	- / 250.383	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.000	- / 250.383
<i>Subtotal: Inactive OSIPs</i>	- / 250.383	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 250.383
<i>Subtotal: Procurement, All Modification Items</i>	- / 250.383	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.000	- / 250.383
Installation												
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total												
Total Cost (Procurement + Support + Installation)	250.383	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	250.383

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Exhibit P-3a, Individual Modification: PB 2019 Navy		Date: February 2018
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0560 / C-130 Series	Modification Number / Title: 6 / Inactive OSIPs
ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:
Modification Item 1 of 1: Inactive OSIPs		

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