

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2016 Navy **Date:** February 2015

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:	Other Related Program Elements:
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Line Item MDAP/MAIS Code: 433	Item MDAP/MAIS Code(s):
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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	440.495	46.325	35.522	70.335	-	70.335	50.352	63.892	90.196	92.600	501.935	1,391.652
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	440.495	46.325	35.522	70.335	-	70.335	50.352	63.892	90.196	92.600	501.935	1,391.652
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	440.495	46.325	35.522	70.335	-	70.335	50.352	63.892	90.196	92.600	501.935	1,391.652

(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 94 aircraft in the Navy and Marine Corps inventory (46 active and 48 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-130F	03/60 - 11/62	600 Mos.	2019-2022
KC-130R	09/75 - 06/78	480 mos.	2015-2017
KC-130T	04/84 - 02/96	450 mos.	2021-2033
KC-130J	09/00 - 10/26	450 mos.	2037-2063

	Secondary Distribution	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Navy	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	27.414	16.741	48.028	-	48.028	29.408	43.599	69.393	71.384
NR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	18.911	18.781	22.307	-	22.307	20.944	20.293	20.803	21.216
Total:	Quantity	-	-	-	-	-	-	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy **Date:** February 2015

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:	Other Related Program Elements:
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Line Item MDAP/MAIS Code: 433	Item MDAP/MAIS Code(s):
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Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Secondary Distribution	Total Obligation Authority	46.325	35.522	70.335	-	70.335	50.352	63.892	90.196	92.600

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy **Date:** February 2015

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:	Other Related Program Elements:
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Line Item MDAP/MAIS Code: 433	Item MDAP/MAIS Code(s):
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Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	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)
1 / C/KC-130 ISR / WEAPONS MISSION KIT (022-07) (Performance Enhancement)	P-3a		- / 129.987	- / 21.228	- / 8.366	- / 7.698	- / -	- / 7.698
2 / Avionics /Obsolescence Upgrades (OSIP 008-12) (Safety / Readiness)	P-3a		- / 28.555	- / 18.911	- / 18.781	- / 22.307	- / -	- / 22.307
3 / Electronic Counter Measures (OSIP 020-12) (Safety)	P-3a		- / 48.258	- / 1.731	- / 2.909	- / 19.285	- / -	- / 19.285
4 / Hose Reel Reliability Improvements (OSIP 007-13) (Reliability / Safety)	P-3a		- / 2.299	- / 1.364	- / 0.964	- / -	- / -	- / -
5 / Technical Insertion (OSIP 019-14) (Capability)	P-3a		- / 0.000	- / 3.091	- / 4.502	- / 21.045	- / -	- / 21.045
6 / Inactive OSIPs ()	P-3a		- / 231.396	- / -	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			- / 440.495	- / 46.325	- / 35.522	- / 70.335	- / -	- / 70.335

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Title*	Exhibits	ID CD	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)
1 / C/KC-130 ISR / WEAPONS MISSION KIT (022-07) (Performance Enhancement)	P-3a		- / 4.660	- / 4.056	- / 8.020	- / 4.445	- / -	- / 188.460
2 / Avionics /Obsolescence Upgrades (OSIP 008-12) (Safety / Readiness)	P-3a		- / 20.944	- / 20.293	- / 20.803	- / 21.216	- / 29.919	- / 201.729
3 / Electronic Counter Measures (OSIP 020-12) (Safety)	P-3a		- / 4.881	- / -	- / 9.083	- / 7.909	- / 278.615	- / 372.671
4 / Hose Reel Reliability Improvements (OSIP 007-13) (Reliability / Safety)	P-3a		- / -	- / -	- / -	- / -	- / -	- / 4.627
5 / Technical Insertion (OSIP 019-14) (Capability)	P-3a		- / 19.867	- / 39.543	- / 52.290	- / 59.030	- / 193.401	- / 392.769
6 / Inactive OSIPs ()	P-3a		- / -	- / -	- / -	- / -	- / -	- / 231.396
Total Gross/Weapon System Cost			- / 50.352	- / 63.892	- / 90.196	- / 92.600	- / 501.935	- / 1,391.652

*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 add due to rounding.

Justification:

Basis for FY2016 Budget request: Provides funding to procure aircraft modifications for the C/KC-130 program.

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Exhibit P-3a, Individual Modification: PB 2016 Navy							Date: February 2015					
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)				

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	129.987	21.228	8.366	7.698	-	7.698	4.660	4.056	8.020	4.445	-	188.460
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	129.987	21.228	8.366	7.698	-	7.698	4.660	4.056	8.020	4.445	-	188.460
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	129.987	21.228	8.366	7.698	-	7.698	4.660	4.056	8.020	4.445	-	188.460
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in 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, tactical aero-medical evacuation, intelligence, surveillance, and reconnaissance (ISR), and Close Air Support (CAS). The objective of this effort is to integrate an Intelligence, Surveillance & Reconnaissance (ISR) Weapon System Kit into the KC-130J aircraft which provides an armed capability to provide intra-theatre suppressive fire support for ground troops as well as intelligence and reconnaissance capability for theatre commanders. KC-130Js have been continuously deployed in support of world-wide combat operations providing multi-mission, tactical aerial refueling, and fixed-wing assault support. This added capability will provide the Marine Air-Ground Task Force Commander increased capability for real time intelligence gathering and an armed capability for targets of opportunity and suppressive fire-support. The ISR/Weapon System Kit will consist of a ISR pod, wing mounted air-to-ground missiles and air-to-ground precision guided munitions. The system will be configured as a Roll-On/Roll-Off capability to allow for rapid deployment. The program will leverage off of current technology/fielded systems to provide rapid integration of this new capability. Future capabilities will include video datalink connectivity, satellite communications, Hellfire P4/N4 compatibility, recovery of external fuel stores, recovery of dual Air-to-Air refueling systems, correction of human factors issues, Joint Air to Ground Munitions (JAGM), and small diameter bombs and will 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 [replace Target Sight Systems (TSS) with MX-20s, update Battle Management System (BMS) for Hellfire P4/N4 variant missiles], 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 FY16-FY19 address fleet capability gaps.

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015			
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)			
Models of Systems Affected: C/KC-130T/J				Modification Type: Performance Enhancement				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
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 ⁽¹⁾	- / -	- / -	9 / 3.375	1 / 0.375	- / -	1 / 0.375	- / -	- / -	- / -	- / -	- / -	10 / 3.750	
1.1.2) BLOS A Kit - NonOrganic ⁽²⁾	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.308	6 / 0.468	- / -	- / -	10 / 0.776	
1.1.3) Archive - Organic ⁽³⁾	- / 24.959	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 24.959	
Subtotal: Recurring	- / 24.959	- / -	- / 3.375	- / 0.375	- / -	- / 0.375	- / -	- / 0.308	- / 0.468	- / -	- / -	- / 29.485	
Non-Recurring													
1.2.1) Installation Kits N/R - Organic	- / 0.328	- / 5.092	- / 2.704	- / 0.772	- / -	- / 0.772	- / 0.386	- / -	- / -	- / -	- / -	- / 9.282	
Subtotal: Non-Recurring	- / 0.328	- / 5.092	- / 2.704	- / 0.772	- / -	- / 0.772	- / 0.386	- / -	- / -	- / -	- / -	- / 9.282	
B Kits													
Recurring													
2.1.1) HH+ (VDL) B Kit - Organic	5 / 11.386	1 / 2.083	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 13.469	
2.1.2) TSS / MX-20 Sensor Kit - Organic ⁽⁴⁾	11 / 24.368	2 / 3.784	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	13 / 28.152	
2.1.3) BLOS B Kit - Organic ⁽⁵⁾	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.332	- / -	5 / 1.720	- / -	- / -	6 / 2.052	
2.1.4) GFE - Organic	- / 2.540	- / 1.511	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.051	
2.1.5) Archive - Organic ⁽⁶⁾	- / 45.369	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 45.369	
Subtotal: Recurring	- / 83.663	- / 7.378	- / -	- / -	- / -	- / -	- / 0.332	- / -	- / 1.720	- / -	- / -	- / 93.093	
Non-Recurring													
2.2.1) Installation Equipment N/R - Organic	- / 5.275	- / 2.849	- / 0.540	- / 0.289	- / -	- / 0.289	- / 0.416	- / 0.345	- / -	- / -	- / -	- / 9.714	
Subtotal: Non-Recurring	- / 5.275	- / 2.849	- / 0.540	- / 0.289	- / -	- / 0.289	- / 0.416	- / 0.345	- / -	- / -	- / -	- / 9.714	
Subtotal: C/KC-130 ISR / WEAPONS MISSION KIT (022-07)	16 / 114.225	3 / 15.319	9 / 6.619	1 / 1.436	- / -	1 / 1.436	1 / 1.134	4 / 0.653	11 / 2.188	- / -	- / -	45 / 141.574	
Subtotal: Procurement, All Modification Items	- / 114.225	- / 15.319	- / 6.619	- / 1.436	- / -	- / 1.436	- / 1.134	- / 0.653	- / 2.188	- / -	- / -	- / 141.574	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.035	- / 0.055	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.090	
3.2) Data	- / 0.294	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.150	- / -	- / -	- / 0.444	
3.3) Training Equipment	- / 1.049	- / -	- / -	- / 0.607	- / -	- / 0.607	- / 0.625	- / -	- / 1.464	- / 0.704	- / -	- / 4.449	
3.4) Support Equipment	- / 1.483	- / 0.198	- / -	- / -	- / -	- / -	- / -	- / 0.233	- / -	- / -	- / -	- / 1.914	
3.5) ILS	- / 1.583	- / 0.821	- / 0.728	- / 0.871	- / -	- / 0.871	- / 0.891	- / 0.915	- / 0.942	- / 0.971	- / -	- / 7.722	

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
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)

Financial Plan	Models of Systems Affected: C/KC-130T/J			Modification Type: Performance Enhancement			Related RDT&E PEs:					
	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	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	- / 6.103	- / 3.235	- / 1.019	- / 1.628	- / -	- / 1.628	- / 1.653	- / 1.703	- / 1.753	- / 1.806	- / -	- / 18.900
3.7) Interim Contractor Support	- / 5.215	- / 1.600	- / -	- / 0.350	- / -	- / 0.350	- / 0.357	- / 0.363	- / 0.371	- / 0.379	- / -	- / 8.635
Subtotal: Support	- / 15.762	- / 5.909	- / 1.747	- / 3.456	- / -	- / 3.456	- / 3.526	- / 3.214	- / 4.680	- / 3.860	- / -	- / 42.154
Installation												
Modification Item 1 of 1: C/KC-130 ISR / WEAPONS MISSION KIT (022-07)	- / 0.000	- / -	- / -	- / 2.806	- / -	- / 2.806	- / -	- / 0.189	- / 1.152	- / 0.585	- / -	- / 4.732
Subtotal: Installation	- / 0.000	- / -	- / -	- / 2.806	- / -	- / 2.806	- / -	- / 0.189	- / 1.152	- / 0.585	- / -	- / 4.732
Total												
Total Cost (Procurement + Support + Installation)	129.987	21.228	8.366	7.698	-	7.698	4.660	4.056	8.020	4.445	-	188.460

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
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)

Modification Item 1 of 1: C/KC-130 ISR / WEAPONS MISSION KIT (022-07)

Manufacturer Information

Manufacturer Name: Sierra Nevada Corporation - HH+	Manufacturer Location: Patuxent River MD
Administrative Leadtime (in Months): 1	Production Leadtime (in Months): 11

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates		Oct 2014	Oct 2015				
Delivery Dates		Oct 2015	Aug 2016				

Manufacturer Name: TBD - BLOS	Manufacturer Location: TBD
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 7

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates					Dec 2017	Dec 2018	
Delivery Dates					Jul 2018	May 2019	

Installation Information

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

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	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 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	9 / 2.525	- / -	9 / 2.525	- / -	- / -	- / -	- / -	- / -	9 / 2.525
FY 2016	- / -	- / -	- / -	1 / 0.281	- / -	1 / 0.281	- / -	- / -	- / -	- / -	- / -	1 / 0.281
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	10 / 2.806	- / -	10 / 2.806	- / -	- / -	- / -	- / -	- / -	10 / 2.806

Installation Schedule

PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				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	3	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
Out	-	-	-	-	-	-	-	-	-	2	3	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
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)

Modification Item 1 of 1: C/KC-130 ISR / WEAPONS MISSION KIT (022-07)

Installation Information

Method of Implementation: [none specified]:: Installation Name: BLOS A Kit

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	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 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.189	3 / 0.576	- / -	- / -	4 / 0.765
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.576	3 / 0.585	- / -	6 / 1.161
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.189	6 / 1.152	3 / 0.585	- / -	10 / 1.926

Installation Schedule

PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				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	3	1	2	1	-	-	-	10
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	3	1	2	1	-	-	10

Method of Implementation (Organic): Organic - HH+ (VDL) B Kit **Installation Quantity:** 6

Method of Implementation (Organic): Organic - TSS / MX-20 Sensor Kit **Installation Quantity:** 13

Method of Implementation (Organic): Not Installed - BLOS B Kit **Installation Quantity:** 6

Footnotes:

- (1) FY15/FY16 includes 10 VDL A Kits.
- (2) FY18 and FY19 include 10 Beyond Line of Sight (BLOS) Data Link A Kits.
- (3) PY (24.959) includes 10 ISR/Weapon Mission A Kits and 10 SOPGM A Kits.
- (4) Kit cost based on the upgrade requirement in each FY; not by the inflation factor. PY includes 7 TSS sensors and 4 MX-20s. FY14 includes 2 MX-20s.

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
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)

⁽⁵⁾ FY17 and FY19 include 6 Beyond Line of Sight (BLOS) Data Link B Kits.

⁽⁶⁾ PY (45.369) includes 6 ISR/Weapon B Kits and 6 SOPGM B Kits. PY increase in funding due to shift in HQMC priorities.

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Exhibit P-3a, Individual Modification: PB 2016 Navy							Date: February 2015					
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)				

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	28.555	18.911	18.781	22.307	-	22.307	20.944	20.293	20.803	21.216	29.919	201.729
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	28.555	18.911	18.781	22.307	-	22.307	20.944	20.293	20.803	21.216	29.919	201.729
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	28.555	18.911	18.781	22.307	-	22.307	20.944	20.293	20.803	21.216	29.919	201.729
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in 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 and KC-130F model aircraft have been in service for 21 and 45 years respectively 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 affecting 20 C-130T aircraft is post MS-C, LRIP 1 approved. Government is Lead Systems Integrator for AOU, performing the majority of the NRE and installation of the validation and verification aircraft kits. One kit (Validation) will be installed by the Government followed by Govt Developmental Test (DT), followed by a second aircraft (Verification) installed by the Government and 18 production installations. Contract awarded for software integration NRE and non-developmental systems in September 2012. USMC 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 2016 Navy										Date: February 2015			
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)			
Models of Systems Affected: C/KC-130T/J				Modification Type: Safety / Readiness				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
Procurement													
<i>Modification Item 1 of 1: Avionics /Obsolescence Upgrades (OSIP 008-12)</i>													
A Kits													
Recurring													
1.1.1) A Kits - NonOrganic	- / 0.050	- / -	2 / 1.174	1 / 0.599	- / -	1 / 0.599	4 / 2.447	4 / 2.496	3 / 1.909	3 / 1.947	1 / 0.662	18 / 11.284	
<i>Subtotal: Recurring</i>	- / 0.050	- / -	- / 1.174	- / 0.599	- / -	- / 0.599	- / 2.447	- / 2.496	- / 1.909	- / 1.947	- / 0.662	- / 11.284	
B Kits													
Recurring													
2.1.1) B Kits - Organic ⁽⁷⁾	- / -	- / -	2 / 5.724	1 / 3.101	- / -	1 / 3.101	4 / 13.168	3 / 10.062	3 / 10.303	3 / 10.506	2 / 8.170	18 / 61.034	
<i>Subtotal: Recurring</i>	- / 0.000	- / -	- / 5.724	- / 3.101	- / -	- / 3.101	- / 13.168	- / 10.062	- / 10.303	- / 10.506	- / 8.170	- / 61.034	
Non-Recurring													
2.2.1) NRE/TEST - Government - NonOrganic ⁽⁸⁾	1 / 4.594	1 / 4.951	- / 2.547	- / 8.960	- / -	- / 8.960	- / 1.124	- / -	- / -	- / -	- / -	2 / 22.176	
2.2.2) NRE - Contractor - Organic ⁽⁹⁾	- / 17.870	- / 12.400	- / 17.904	- / 3.748	- / -	- / 3.748	- / 0.983	- / -	- / -	- / -	- / -	- / 42.905	
<i>Subtotal: Non-Recurring</i>	- / 22.464	- / 17.351	- / 10.451	- / 12.708	- / -	- / 12.708	- / 2.107	- / -	- / -	- / -	- / -	- / 65.081	
<i>Subtotal: Avionics /Obsolescence Upgrades (OSIP 008-12)</i>	1 / 22.514	1 / 17.351	4 / 17.349	2 / 16.408	- / -	2 / 16.408	8 / 17.722	7 / 12.558	6 / 12.212	6 / 12.453	3 / 8.832	38 / 137.399	
<i>Subtotal: Procurement, All Modification Items</i>	- / 22.514	- / 17.351	- / 17.349	- / 16.408	- / -	- / 16.408	- / 17.722	- / 12.558	- / 12.212	- / 12.453	- / 8.832	- / 137.399	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.710	- / -	- / 0.710	
3.2) Data	- / 0.478	- / -	- / -	- / 0.683	- / -	- / 0.683	- / 0.139	- / -	- / 0.028	- / 0.400	- / -	- / 1.728	
3.3) Training Equipment ⁽¹⁰⁾	- / 0.109	- / -	- / -	- / 0.299	- / -	- / 0.299	- / -	- / -	- / -	- / -	- / 10.211	- / 10.619	
3.4) Support Equipment	- / 0.044	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.315	- / -	- / 0.359	
3.5) ILS	- / 0.349	- / -	- / -	- / 0.721	- / -	- / 0.721	- / 0.731	- / -	- / 0.417	- / 0.758	- / 1.530	- / 4.506	
3.6) Other Support	- / 5.061	- / -	- / -	- / 0.456	- / -	- / 0.456	- / 0.444	- / -	- / 0.204	- / 0.505	- / 1.042	- / 7.712	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
<i>Subtotal: Support</i>	- / 6.041	- / -	- / -	- / 2.159	- / -	- / 2.159	- / 1.314	- / -	- / 0.649	- / 2.688	- / 12.783	- / 25.634	
Installation													
<i>Modification Item 1 of 1: Avionics /Obsolescence Upgrades (OSIP 008-12)</i>	- / 0.000	- / 1.560	- / 1.432	- / 3.740	- / -	- / 3.740	- / 1.908	- / 7.735	- / 7.942	- / 6.075	- / 8.304	- / 38.696	
<i>Subtotal: Installation</i>	- / 0.000	- / 1.560	- / 1.432	- / 3.740	- / -	- / 3.740	- / 1.908	- / 7.735	- / 7.942	- / 6.075	- / 8.304	- / 38.696	
Total													

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
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)

Models of Systems Affected: C/KC-130T/J			Modification Type: Safety / Readiness				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>
Total Cost (Procurement + Support + Installation)	28.555	18.911	18.781	22.307	-	22.307	20.944	20.293	20.803	21.216	29.919	201.729

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
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)

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): 4	Production Leadtime (in Months): 12

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Apr 2014	Apr 2015	Jan 2016	Oct 2016	Oct 2017	Oct 2018	Oct 2019
Delivery Dates	Apr 2015	Apr 2016	Jan 2017	Oct 2017	Oct 2018	Oct 2019	Oct 2020

Installation Information

Method of Implementation: Contractor Drive-In Modifications:: Installation Name: Avionics/Obsolescence Upgrades

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	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 / 1.560	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.560
FY 2014	- / -	- / -	1 / 1.432	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.432
FY 2015	- / -	- / -	- / -	2 / 3.740	- / -	2 / 3.740	- / -	- / -	- / -	- / -	- / -	2 / 3.740
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.908	- / -	- / -	- / -	- / -	1 / 1.908
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 7.735	- / -	- / -	- / -	4 / 7.735
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 7.942	- / -	- / -	4 / 7.942
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 6.075	- / -	3 / 6.075
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 6.228	3 / 6.228
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 2.076	1 / 2.076
Total	- / -	1 / 1.560	1 / 1.432	2 / 3.740	- / -	2 / 3.740	1 / 1.908	4 / 7.735	4 / 7.942	3 / 6.075	4 / 8.304	20 / 38.696

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				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	2	1	-	1	2	1	-	1	1	1	-	4	20
Out	-	-	-	-	1	-	-	-	1	-	-	1	1	-	-	1	-	-	1	2	1	-	1	2	1	-	1	1	1	4	20

Method of Implementation (Organic): Organic - B Kits

Installation Quantity: 18

Footnotes:

⁽⁷⁾ Increase to B Kit cost in FY16 due to expiration of FFP pricing under existing contract.

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
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)

⁽⁸⁾ The cost for the Validation Kit (FY14) and Verification Kit (FY15) is embedded in NRE cost in the year prior respectively. DT test begins in FY16 and concludes in FY17.

⁽⁹⁾ Funds all phases of the software integration contract.

⁽¹⁰⁾ Funds material necessary to perform 2F107 full motion operational flight trainer modification required for FOC.

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Exhibit P-3a, Individual Modification: PB 2016 Navy							Date: February 2015					
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)					

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	48.258	1.731	2.909	19.285	-	19.285	4.881	-	9.083	7.909	278.615	372.671
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	48.258	1.731	2.909	19.285	-	19.285	4.881	-	9.083	7.909	278.615	372.671
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	48.258	1.731	2.909	19.285	-	19.285	4.881	-	9.083	7.909	278.615	372.671
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in 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, 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 Large Aircraft Infrared Counter Measures (LAIRCM) with Advanced Threat Warning (ATW) and LAIRCM Enhanced Situational Awareness (LESA), 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 2016 Navy										Date: February 2015			
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)			
Models of Systems Affected: C/KC-130T/J				Modification Type: Safety				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
Procurement													
<i>Modification Item 1 of 1: Electronic Counter Measures (OSIP 020-12)</i>													
A Kits													
Recurring													
1.1.1) LAIRCM A Kit - NonOrganic ⁽¹¹⁾	15 / 3.416	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 6.421	8 / 6.544	24 / 22.209	55 / 38.590	
<i>Subtotal: Recurring</i>	- / 3.416	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.421	- / 6.544	- / 22.209	- / 38.590	
Non-Recurring													
1.2.1) NRE - Government - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.387	- / 0.387	
1.2.2) NRE - Contractor - Organic ⁽¹²⁾	- / 11.166	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.420	- / 14.586	
<i>Subtotal: Non-Recurring</i>	- / 11.166	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.807	- / 14.973	
B Kits													
Recurring													
2.1.1) LAIRCM B Kit - Organic ⁽¹³⁾	12 / 15.885	2 / 1.272	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	44 / 153.744	58 / 170.901	
2.1.2) Meons - Organic	6 / 0.526	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.574	9 / 1.096	20 / 2.196	
<i>Subtotal: Recurring</i>	- / 16.411	- / 1.272	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.574	- / 154.840	- / 173.097	
Non-Recurring													
2.2.2) NRE Contractor - Organic	- / 10.912	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 10.912	
<i>Subtotal: Non-Recurring</i>	- / 10.912	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 10.912	
<i>Subtotal: Electronic Counter Measures (OSIP 020-12)</i>	33 / 41.905	2 / 1.272	- / -	- / -	- / -	- / -	- / -	- / -	8 / 6.421	13 / 7.118	77 / 180.856	133 / 237.572	
<i>Subtotal: Procurement, All Modification Items</i>	- / 41.905	- / 1.272	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.421	- / 7.118	- / 180.856	- / 237.572	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 26.925	- / 26.925	
3.2) Data	- / -	- / -	- / 0.250	- / 0.689	- / -	- / 0.689	- / -	- / -	- / -	- / -	- / 0.295	- / 1.234	
3.3) Training Equipment	- / -	- / -	- / 1.269	- / 2.523	- / -	- / 2.523	- / -	- / -	- / 1.257	- / -	- / -	- / 15.049	
3.4) Support Equipment	- / 0.050	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.050	
3.5) ILS	- / 0.452	- / 0.170	- / 0.695	- / 0.725	- / -	- / 0.725	- / 0.538	- / -	- / 0.540	- / 0.304	- / 1.330	- / 4.754	
3.6) Other Support	- / 15.851	- / 0.289	- / 0.695	- / 0.734	- / -	- / 0.734	- / 0.689	- / -	- / 0.865	- / 0.487	- / 17.957	- / 117.567	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
<i>Subtotal: Support</i>	- / 6.353	- / 0.459	- / 2.909	- / 4.671	- / -	- / 4.671	- / 1.227	- / -	- / 2.662	- / 0.791	- / 36.507	- / 55.579	
Installation													

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
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)

Models of Systems Affected: C/KC-130T/J	Modification Type: Safety	Related RDT&E PEs:
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Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	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)	- / 0.000	- / -	- / -	- / 14.614	- / -	- / 14.614	- / 3.654	- / -	- / -	- / -	- / 61.252	- / 79.520
<i>Subtotal: Installation</i>	- / 0.000	- / -	- / -	- / 14.614	- / -	- / 14.614	- / 3.654	- / -	- / -	- / -	- / 61.252	- / 79.520
Total												
Total Cost (Procurement + Support + Installation)	48.258	1.731	2.909	19.285	-	19.285	4.881	-	9.083	7.909	278.615	372.671

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
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)

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): 8				Production Leadtime (in Months): 32			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates						May 2019	
Delivery Dates						Jan 2022	

Installation Information

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

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	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 / 14.614	- / 0.000	13 / 14.614	2 / 3.654	- / -	- / -	- / -	- / -	15 / 18.268
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 12.250	8 / 12.250
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 12.251	8 / 12.251
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 36.751	24 / 36.751
Total	- / -	- / -	- / -	13 / 14.614	- / -	13 / 14.614	2 / 3.654	- / -	- / -	- / -	40 / 61.252	55 / 79.520

Installation Schedule

PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				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	4	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40	55
Out	-	-	-	-	-	-	-	-	-	-	5	4	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40	55

Method of Implementation (Organic): Not Installed - LAIRCM B Kit **Installation Quantity:** 58

Method of Implementation (Organic): Not Installed - Meons **Installation Quantity:** 20

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
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)

Footnotes:

- (11) Aircraft equipped with A Kits can operate with or without B Kits. 15 A Kits procured via sole source contract will be delivered in FY16/17.
- (12) The cost for the Validation Kit, TKI Kit, and Verification Kit and associated installation is embedded in the NRE cost in PY.
- (13) Kit cost based on required components in each FY; not by the inflation factor.

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Exhibit P-3a, Individual Modification: PB 2016 Navy							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0560 / C-130 Series				Modification Number / Title: 4 / Hose Reel Reliability Improvements (OSIP 007-13)				

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	2.299	1.364	0.964	-	-	-	-	-	-	-	-	4.627
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	2.299	1.364	0.964	-	-	-	-	-	-	-	-	4.627
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	2.299	1.364	0.964	-	-	-	-	-	-	-	-	4.627
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in 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, tactical aero-medical evacuation, intelligence, surveillance, and reconnaissance (ISR), and Close Air Support (CAS). Aerial refueling missions utilize wing mounted refueling pods for refueling high speed and low speed aircraft. The Hose Reel Reliability Improvement program will address the #3 KC-130 readiness degrader by installing a cycle counter to help establish scheduled maintenance/overhaul schedules vice fly to failure replacement while standardizing the configuration of Hose Reels in the KC-130 Fleet. This program will increase Hose Reel reliability as well as increase overall aerial refueling readiness. In addition, it will improve aerial refueling safety, particularly for MV-22 and Joint Strike Fighter. These efforts will also mitigate risk of catastrophic failure which could lead to loss of aircraft and crew.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: The cycle counter being installed in the KC-130J Hose Reel is a Commercial Off the Shelf item that will allow Hose Reel deployment cycles to being counted and will assist in establishing routine maintenance cycles vice fly to failure. Updating the Hose Reels to a -110 configuration will occur simultaneously with the counter installation which will allow for refueling of the MV-22 and the Joint Strike Fighter. This effort will be done organically.

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1					P-1 Line Item Number / Title: 0560 / C-130 Series					Modification Number / Title: 4 / Hose Reel Reliability Improvements (OSIP 007-13)			
Models of Systems Affected: KC-130T/J				Modification Type: Reliability / Safety					Related RDT&E PEs:				
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	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: Hose Reel Reliability Improvements (OSIP 007-13)</i>													
B Kits													
Recurring													
2.1.1) B Kit - Organic	40 / 1.313	40 / 1.312	28 / 0.935	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	108 / 3.560	
<i>Subtotal: Recurring</i>	- / 1.313	- / 1.312	- / 0.935	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.560	
<i>Subtotal: Hose Reel Reliability Improvements (OSIP 007-13)</i>	40 / 1.313	40 / 1.312	28 / 0.935	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	108 / 3.560	
<i>Subtotal: Procurement, All Modification Items</i>	- / 1.313	- / 1.312	- / 0.935	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.560	
Support (All Modification Items)													
3.1) Engineering Change Orders	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.2) Data	- / 0.038	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.038	
3.3) Training Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.4) Support Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.5) ILS	- / 0.673	- / 0.052	- / 0.029	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.754	
3.6) Other Support	- / 0.275	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.275	
3.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
<i>Subtotal: Support</i>	- / 0.986	- / 0.052	- / 0.029	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.067	
Installation													
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	2.299	1.364	0.964	-	-	-	-	-	-	-	-	4.627	

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Exhibit P-3a, Individual Modification: PB 2016 Navy					Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1			P-1 Line Item Number / Title: 0560 / C-130 Series			Modification Number / Title: 4 / Hose Reel Reliability Improvements (OSIP 007-13)	
Modification Item 1 of 1: Hose Reel Reliability Improvements (OSIP 007-13)							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (in Months):				Production Leadtime (in Months):			
Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Organic - B Kit					Installation Quantity: 108		

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Exhibit P-3a, Individual Modification: PB 2016 Navy							Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0560 / C-130 Series				Modification Number / Title: 5 / Technical Insertion (OSIP 019-14)				

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	3.091	4.502	21.045	-	21.045	19.867	39.543	52.290	59.030	193.401	392.769
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	3.091	4.502	21.045	-	21.045	19.867	39.543	52.290	59.030	193.401	392.769
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	3.091	4.502	21.045	-	21.045	19.867	39.543	52.290	59.030	193.401	392.769

(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 of new or updated technologies to support safety, reliability, supportability, obsolescence, deficiency correction, mandated modifications, commonality, 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 CNS/ATM mandates (new FMS, transponder and Mission Computer updates for RNP-RNAV and ADS-B), safety improvements (improved ICS/PA System and enhanced covert lighting), deficiency correction (TEMPEST compliance) and interoperability updates (Mode 5 IFF and Link 16). The Electronic Propeller Control System (EPCS) replaces the failure prone hydro-mechanical propeller control with a solid-state digital system and addresses the #1 readiness degrader for the legacy C/KC-130.

Future modifications could include: Capability Management Upgrade (CMU)/Block Upgrade 9.0 will include Flight Management System performance enhancements, additional capabilities and addresses obsolescence issues to ensure future mission readiness of the KC-130J fleet. Software Reprogrammable Payload (SRP) and/or Tactical Airborne Command, Control, Communications, and Intelligence (C3I) Pod (TACPOD), which will augment existing C/KC-130 interoperability capabilities, The Blue Force Tracker (BFT) Blue Force Situational Awareness (BFSA) initiative will add the C/KC-130 to the network, which includes all other assault support and US Army platforms. KuSS Beyond Line of Sight (BLOS) is a system upgrade that provides High Speed Data for beyond line of sight communications and provides interoperability 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 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: SRP TACPOD system upgrade will consist of 79 kits and installs starting in FY14- and completing beyond the FYDP. BFT BFSA system upgrade will consist of 79 kits and installs starting in FY14 and completing beyond the FYDP. The KuSS BLOS system upgrade will consist of 79 kits and installs starting in FY14 and completing beyond the FYDP. Block 7.0 / Block 8.1 peculiar NRE will start in FY14 with the first Trial Kit Install in FY16; the upgrade consists of 59 kits and installs starting in FY14 and completing beyond the FYDP.

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Exhibit P-3a, Individual Modification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0560 / C-130 Series				Modification Number / Title: 5 / Technical Insertion (OSIP 019-14)				
Models of Systems Affected: KC-130T/J			Modification Type: Capability				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	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) EPCS A Kit - NonOrganic	- / -	3 / 0.601	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.601
1.1.2) A Kit 7.0/8.1 Block Upgrade - NonOrganic ⁽¹⁴⁾	- / -	- / -	- / -	2 / 2.845	- / -	2 / 2.845	- / -	8 / 12.072	12 / 18.651	11 / 17.610	25 / 41.967	58 / 93.145
<i>Subtotal: Recurring</i>	- / 0.000	- / 0.601	- / -	- / 2.845	- / -	- / 2.845	- / -	- / 12.072	- / 18.651	- / 17.610	- / 41.967	- / 93.746
Non-Recurring												
1.2.1) Installation Kit N/R Block Upgrade - Organic ⁽¹⁵⁾	- / -	- / -	- / 3.374	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.374
<i>Subtotal: Non-Recurring</i>	- / 0.000	- / -	- / 3.374	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.374
B Kits												
Recurring												
2.1.1) EPCS B Kit - Organic	- / -	3 / 2.261	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 2.261
2.1.2) B Kit 7.0/8.1 Block Upgrade - Organic	- / -	- / -	- / -	2 / 4.424	- / -	2 / 4.424	- / -	8 / 18.775	12 / 29.007	11 / 27.388	25 / 65.271	58 / 144.865
<i>Subtotal: Recurring</i>	- / 0.000	- / 2.261	- / -	- / 4.424	- / -	- / 4.424	- / -	- / 18.775	- / 29.007	- / 27.388	- / 65.271	- / 147.126
Non-Recurring												
2.2.1) Installation Kit N/R Block Upgrade - Organic	- / -	- / -	- / -	- / 3.494	- / -	- / 3.494	- / 0.950	- / -	- / -	- / -	- / -	- / 4.444
<i>Subtotal: Non-Recurring</i>	- / 0.000	- / -	- / -	- / 3.494	- / -	- / 3.494	- / 0.950	- / -	- / -	- / -	- / -	- / 4.444
<i>Subtotal: Technical Insertion (OSIP 019-14)</i>	- / -	6 / 2.862	- / 3.374	4 / 10.763	- / -	4 / 10.763	- / 0.950	16 / 30.847	24 / 47.658	22 / 44.998	50 / 107.238	122 / 248.690
<i>Subtotal: Procurement, All Modification Items</i>	- / 0.000	- / 2.862	- / 3.374	- / 10.763	- / -	- / 10.763	- / 0.950	- / 30.847	- / 47.658	- / 44.998	- / 107.238	- / 248.690
Support (All Modification Items)												
3.1) ECO	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.2) Data Block Upgrade	- / -	- / -	- / -	- / 0.814	- / -	- / 0.814	- / 0.810	- / 0.419	- / -	- / -	- / -	- / 2.043
3.3) Training Equipment Block Upgrade	- / -	- / -	- / -	- / 7.549	- / -	- / 7.549	- / 16.220	- / 3.272	- / 3.037	- / 3.518	- / 26.443	- / 60.039
3.4) Support Equipment Block Upgrade	- / -	- / -	- / -	- / 0.578	- / -	- / 0.578	- / 0.464	- / -	- / -	- / -	- / -	- / 1.042
3.5) ILS EPCS	- / -	- / 0.097	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.097
3.6) ILS Block Upgrade	- / -	- / -	- / 0.437	- / 0.782	- / -	- / 0.782	- / 0.842	- / 0.961	- / 0.991	- / 1.019	- / 2.348	- / 7.380
3.7) Other Support EPCS	- / -	- / 0.132	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.132
3.8) Other Support Block Upgrade ⁽¹⁶⁾	- / -	- / -	- / 0.226	- / 0.559	- / -	- / 0.559	- / 0.581	- / 0.592	- / 0.604	- / 0.622	- / 1.820	- / 5.004
<i>Subtotal: Support</i>	- / 0.000	- / 0.229	- / 0.663	- / 10.282	- / -	- / 10.282	- / 18.917	- / 5.244	- / 4.632	- / 5.159	- / 30.611	- / 75.737
Installation												

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Exhibit P-3a, Individual Modification: PB 2016 Navy										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1				P-1 Line Item Number / Title: 0560 / C-130 Series						Modification Number / Title: 5 / Technical Insertion (OSIP 019-14)		
Models of Systems Affected: KC-130T/J				Modification Type: Capability				Related RDT&E PEs:				
Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>
Modification Item 1 of 1: Technical Insertion (OSIP 019-14)	- / 0.000	- / -	- / 0.465	- / -	- / -	- / -	- / -	- / 3.452	- / -	- / 8.873	- / 55.552	- / 68.342
<i>Subtotal: Installation</i>	- / 0.000	- / -	- / 0.465	- / -	- / -	- / -	- / -	- / 3.452	- / -	- / 8.873	- / 55.552	- / 68.342
Total												
Total Cost (Procurement + Support + Installation)	0.000	3.091	4.502	21.045	-	21.045	19.867	39.543	52.290	59.030	193.401	392.769

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0560 / C-130 Series	Modification Number / Title: 5 / Technical Insertion (OSIP 019-14)

Modification Item 1 of 1: Technical Insertion (OSIP 019-14)

Manufacturer Information

Manufacturer Name: TBD - ECPS Manufacturer Location: TBD

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

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Sep 2014						
Delivery Dates	Mar 2015						

Manufacturer Name: Lockheed Martin - Block Upgrade Manufacturer Location: Greenville, SC

Administrative Leadtime (in Months): 5 Production Leadtime (in Months): 24

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates			Feb 2016		Feb 2018	Feb 2019	Feb 2020
Delivery Dates			Feb 2018		Feb 2020	Feb 2021	Feb 2022

Installation Information

Method of Implementation: Contractor Drive-in Modifications:: Installation Name: EPCS A Kit

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	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 2014	- / -	- / -	3 / 0.465	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.465
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	3 / 0.465	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.465

Installation Schedule

PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				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
Out	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 05 / 1	P-1 Line Item Number / Title: 0560 / C-130 Series	Modification Number / Title: 5 / Technical Insertion (OSIP 019-14)

Modification Item 1 of 1: Technical Insertion (OSIP 019-14)

Installation Information

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

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	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 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 3.452	- / -	- / -	- / -	2 / 3.452
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 8.873	- / -	8 / 8.873
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 13.888	12 / 13.888
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 12.731	11 / 12.731
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	25 / 28.933	25 / 28.933
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 3.452	- / -	8 / 8.873	48 / 55.552	58 / 67.877

Installation Schedule

PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				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	-	-	-	-	-	-	-	-	3	3	2	48	58
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	3	53	58

Method of Implementation (Organic): Not Installed - EPCS B Kit **Installation Quantity:** 3

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

Footnotes:

- (14) Block Upgrade Kits long lead time 18 - 24 months.
- (15) Block Upgrade NRE for TKI in FY15.
- (16) FY16 increase due to testing.

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Exhibit P-3a, Individual Modification: PB 2016 Navy	Date: February 2015
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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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Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	231.396	-	-	-	-	-	-	-	-	-	-	231.396
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	231.396	-	-	-	-	-	-	-	-	-	-	231.396
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	231.396	-	-	-	-	-	-	-	-	-	-	231.396
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Inactive OSIPs prior year totals.

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Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
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		

Models of Systems Affected:	Modification Type:	Related RDT&E PEs:
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Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	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	- / 231.396	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 231.396
<i>Subtotal: Recurring</i>	- / 231.396	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 231.396
<i>Subtotal: Inactive OSIPs</i>	- / 231.396	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 231.396
<i>Subtotal: Procurement, All Modification Items</i>	- / 231.396	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 231.396
Support (All Modification Items)												
3.1) New Cost Element.	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
<i>Subtotal: Support</i>	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Installation												
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total												
Total Cost (Procurement + Support + Installation)	231.396	-	-	-	-	-	-	-	-	-	-	231.396

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Exhibit P-3a, Individual Modification: PB 2016 Navy	Date: February 2015
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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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Modification Item 1 of 1: Inactive OSIPs

Manufacturer Information

Manufacturer Name: TBD	Manufacturer Location: TBD
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Administrative Leadtime <i>(in Months)</i> :	Production Leadtime <i>(in Months)</i> :
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Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation (Organic): No Quantities Associated with Install	Installation Quantity: 0
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