

**UNCLASSIFIED**

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

**Appropriation / Budget Activity / Budget Sub Activity:**  
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

**P-1 Line Item Number / Title:**  
C1300J / C-130J MODS

**ID Code** (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0401132F **Other Related Program Elements:** 0401132F, 0401134F, 0401897F

**Line Item MDAP/MAIS Code:** 220 **Item MDAP/MAIS Code(s):**

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> )	238.746	8.788	25.919	29.713	-	29.713	78.422	93.376	121.841	134.033	1,034.102	1,764.940
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) ( <i>\$ in Millions</i> )	238.746	8.788	25.919	29.713	-	29.713	78.422	93.376	121.841	134.033	1,034.102	1,764.940
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>238.746</b>	<b>8.788</b>	<b>25.919</b>	<b>29.713</b>	<b>-</b>	<b>29.713</b>	<b>78.422</b>	<b>93.376</b>	<b>121.841</b>	<b>134.033</b>	<b>1,034.102</b>	<b>1,764.940</b>

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

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

**Description:**

The C-130J is a medium-size transport aircraft capable of performing a variety of combat delivery (tactical airlift) operations across a broad range of mission environments. The C-130J aircraft, with its extended (by 15 ft) fuselage, provides additional cargo carrying capacity for the USAF combat delivery mission compared with legacy C-130E/Hs and the C-130J (short).

Other variants of the USAF C-130J fleet are all short-bodied aircraft and include the EC-130J (airborne psychological operations), WC-130J (weather reconnaissance), HC-130J (combat search and rescue), MC-130J (special operations), and the AC-130J (close air support and armed reconnaissance).

As of 1 Feb 2014, there are 147 USAF C-130J Variants: C-130J - 89, C-130J (short) - 10, WC-130J - 10, EC-130J - 7, HC-130J - 11, MC-130J - 19, AC-130J - 1. The designed service life is 35 years and the average service life remaining is 27.5 years.

Funding for this exhibit is contained in PE 0401132F.

In FY15, the center wing box replacement program continues with the intallation of one enhanced service life (ESL) center wing (ESL). Since Nov 2009, all production C-130Js have been delivered with the ESL center wing.

FY15 OCO funding will provide two center wing boxes and installs. Deployed aircraft exhaust wings 2.7 times faster than at home station. Funding is required to avoid operationally restricting aircraft.

Blocks 7.0 and 8.1 together will allow the C-130J to meet all known Communication, Navigation and Surveillance/Air Traffic Management (CNS/ATM) and navigation safety mandates.

In order to better manage the fleet and avoid having to simultaneously support three separate aircraft configurations (Block 6, Block 7 and Block 8.1), Blocks 7.0 and 8.1 have been combined. This way the aircraft and trainers will only have to be modified one time.

The international C-130J Block 7 collaborative development program will complete in 2013. Block 8.1 is in development and we will begin ordering Block 7.0/8.1 kits in 2016 under Mod #5222, Block 8.1.

NOTE: USMC KC-130Js and USCG HC-130Js are following USAF's lead and will also field a combined Block 7/8.1 aircraft.

**UNCLASSIFIED**

<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2016 Air Force			<b>Date:</b> February 2015		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft			<b>P-1 Line Item Number / Title:</b> C1300J / C-130J MODS		
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :		<b>Program Elements for Code B Items:</b> 0401132F		<b>Other Related Program Elements:</b> 0401132F, 0401134F, 0401897F	
<b>Line Item MDAP/MAIS Code:</b> 220		<b>Item MDAP/MAIS Code(s):</b>			

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	8.788	25.919	29.713	-	29.713	78.422	93.376	121.841	134.033
AFNG	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	-	-	-	-	-	-	-
AFR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	-	-	-	-	-	-	-
<b>Total: Secondary Distribution</b>	<b>Quantity</b>	-	-	-	-	-	-	-	-	-
	<b>Total Obligation Authority</b>	<b>8.788</b>	<b>25.919</b>	<b>29.713</b>	-	<b>29.713</b>	<b>78.422</b>	<b>93.376</b>	<b>121.841</b>	<b>134.033</b>

**UNCLASSIFIED**

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

**Appropriation / Budget Activity / Budget Sub Activity:**  
3010F: Aircraft Procurement, Air Force / BA 05: Modification of Inservice Aircraft / BSA 5: Other Aircraft

**P-1 Line Item Number / Title:**  
C1300J / C-130J MODS

**ID Code** (A=Service Ready, B=Not Service Ready) : **Program Elements for Code B Items:** 0401132F **Other Related Program Elements:** 0401132F, 0401134F, 0401897F

**Line Item MDAP/MAIS Code:** 220 **Item MDAP/MAIS Code(s):**

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-130J Tactics Training (Capability Improvement)	P-40a***		- / 8.470	- / 7.545	- / -	- / -	- / -	- / -
2 / Avionics System and Structural Modifications (Capability Improvement)	P-40a***		- / 23.202	- / 0.300	- / 0.433	- / 0.283	- / -	- / 0.283
3 / Wind Gust Brake (Reliability & Maintainability)	P-40a***		- / 38.971	- / 0.201	- / 0.148	- / 0.114	- / -	- / 0.114
4 / C-130J BLOCK 7.0 UPGRADES (Capability Improvement)	P-40a***		- / 13.452	- / -	- / -	- / -	- / -	- / -
5 / LARGE AIRCRAFT INFRARED COUNTERMEASURES (LAIRCM) (Capability Improvement)	P-40a***		- / 91.807	- / -	- / -	- / -	- / -	- / -
6 / C-130J Center Wing Replacement (Service Life Extension)	P-40a***		- / 30.830	- / 0.742	- / 25.337	- / 0.500	- / -	- / 0.500
7 / Dynamic Retasking Capability (Capability Improvement)	P-40a***		- / 23.010	- / -	- / -	- / -	- / -	- / -
8 / LOW COST MODIFICATIONS (Safety)	P-40a***		- / 9.004	- / -	- / 0.001	- / 0.100	- / -	- / 0.100
5222 / BLOCK 8.0 (Capability Improvement)	P-3a		- / -	- / -	- / -	- / 28.716	- / -	- / 28.716
<b>Total Gross/Weapon System Cost</b>			<b>- / 238.746</b>	<b>- / 8.788</b>	<b>- / 25.919</b>	<b>- / 29.713</b>	<b>- / -</b>	<b>- / 29.713</b>

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-130J Tactics Training (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 16.015
2 / Avionics System and Structural Modifications (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 24.218
3 / Wind Gust Brake (Reliability & Maintainability)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 39.434
4 / C-130J BLOCK 7.0 UPGRADES (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 13.452
5 / LARGE AIRCRAFT INFRARED COUNTERMEASURES (LAIRCM) (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 91.807
6 / C-130J Center Wing Replacement (Service Life Extension)	P-40a***		- / 0.500	- / 13.822	- / 0.500	- / 0.500	- / -	- / 72.731
7 / Dynamic Retasking Capability (Capability Improvement)	P-40a***		- / -	- / -	- / -	- / -	- / -	- / 23.010
8 / LOW COST MODIFICATIONS (Safety)	P-40a***		- / 0.500	- / 0.500	- / 0.500	- / 0.500	- / -	- / 11.105
5222 / BLOCK 8.0 (Capability Improvement)	P-3a		- / 77.422	- / 79.054	- / 120.841	- / 133.033	- / 1,034.102	- / 1,473.168
<b>Total Gross/Weapon System Cost</b>			<b>- / 78.422</b>	<b>- / 93.376</b>	<b>- / 121.841</b>	<b>- / 134.033</b>	<b>- / 1,034.102</b>	<b>- / 1,764.940</b>

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

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

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

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

**UNCLASSIFIED**

<b>Exhibit P-3a, Individual Modification: PB 2016 Air Force</b>										<b>Date:</b> February 2015		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3010F / 05 / 5				<b>P-1 Line Item Number / Title:</b> C1300J / C-130J MODS						<b>Modification Number / Title:</b> 5222 / BLOCK 8.0		

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016 Base</b>	<b>FY 2016 OCO</b>	<b>FY 2016 Total</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	-	-	-	28.716	-	28.716	77.422	79.054	120.841	133.033	1,034.102	1,473.168
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) ( <i>\$ in Millions</i> )	-	-	-	28.716	-	28.716	77.422	79.054	120.841	133.033	1,034.102	1,473.168
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	-	-	-	<b>28.716</b>	-	<b>28.716</b>	<b>77.422</b>	<b>79.054</b>	<b>120.841</b>	<b>133.033</b>	<b>1,034.102</b>	<b>1,473.168</b>

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

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

**Description:**

The C-130J combined 7.0 and 8.1 Block Upgrades (BU) modification program funds the procurement and installation of Communication, Navigation and Surveillance Air Traffic Management (CNS/ATM) navigation safety and other aircraft hardware and software improvements on USAF C-130J aircraft and associated training systems. The combined BU 7.0 and 8.1 (now called just Block 8.1) is being implemented to maintain access to global airspace, enhance aircraft navigational accuracy and aircrew situational awareness. It increases overall C-130J operational utility / effectiveness and reduces C-130J systems / parts obsolescence. Lockheed Martin will be responsible for integrating 38 capabilities including: a new Flight Management System, civil GPS, Link-16, digital maps, Mission Computer - Operational Flight Program (MC-OPF), Data Transfer and Diagnostic System (DTADS), improved brakes / wheels, a modified control yoke, BU 8.1 TEMPEST compliance, Identification Friend or Foe(IFF) Transponder Mode 5, Enhanced Inter-Communication System, CNS / ATM Civil Data Link and Automatic Dependent Surveillance Broadcast (ADS-B) out. Installation of HC/MC retrofit kits (88) will be funded with HC/MC dollars. Additional funding has been added for AMC to procure Group B Kits for ACC and AFSOC Block 8.1 Mods beginning in FY19. C-130J Block 8.1 mod is a FY16 New Start.

**Milestone/Development Status**

BU 7.0 development is complete. BU 8.1 operational testing is scheduled to completed by 4QFY16.

<b>Secondary Distribution</b>		<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016 Base</b>	<b>FY 2016 OCO</b>	<b>FY 2016 Total</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
AF	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	-	-	28.716	-	28.716	77.422	79.054	120.841	133.033
<b>Total:</b> <b>Secondary Distribution</b>	<b>Quantity</b>	-	-	-	-	-	-	-	-	-
	<b>Total Obligation Authority</b>	-	-	<b>28.716</b>	-	<b>28.716</b>	<b>77.422</b>	<b>79.054</b>	<b>120.841</b>	<b>133.033</b>

**UNCLASSIFIED**

<b>Exhibit P-3a, Individual Modification: PB 2016 Air Force</b>										<b>Date:</b> February 2015			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3010F / 05 / 5					<b>P-1 Line Item Number / Title:</b> C1300J / C-130J MODS					<b>Modification Number / Title:</b> 5222 / BLOCK 8.0			
<b>Models of Systems Affected:</b> C-130J				<b>Modification Type:</b> Capability Improvement				<b>Related RDT&amp;E PEs:</b> 0401132F					
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)	
<b>RDT&amp;E PE #</b>													
0401132F	- / -	- / -	- / -	- / 26.475	- / -	- / 26.475	- / -	- / -	- / -	- / -	- / -	- / 26.475	
<b>Procurement</b>													
<i>Modification Item 1 of 1:</i> Block 81 LM Kit													
A Kits													
Recurring													
Block 81 LM Kit:INSTALL KITS Group A (Active)	- / -	- / -	- / -	3 / 4.863	- / -	3 / 4.863	14 / 23.786	14 / 24.066	10 / 17.690	20 / 36.440	88 / 182.064	149 / 288.909	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 4.863	- / -	- / 4.863	- / 23.786	- / 24.066	- / 17.690	- / 36.440	- / 182.064	- / 288.909	
B Kits													
Recurring													
Block 81 LM Kit:EQUIPMENT Group B (Active)	- / -	- / -	- / -	6 / 15.132	- / -	6 / 15.132	17 / 44.132	14 / 37.422	22 / 60.544	20 / 56.660	171 / 538.485	250 / 752.375	
<i>Subtotal: Recurring</i>	- / -	- / -	- / -	- / 15.132	- / -	- / 15.132	- / 44.132	- / 37.422	- / 60.544	- / 56.660	- / 538.485	- / 752.375	
<i>Subtotal: Block 81 LM Kit</i>	- / -	- / -	- / -	- / 19.995	- / -	- / 19.995	- / 67.918	- / 61.488	- / 78.234	- / 93.100	- / 720.549	- / 1,041.284	
<i>Subtotal: Procurement, All Modification Items</i>	- / -	- / -	- / -	- / 19.995	- / -	- / 19.995	- / 67.918	- / 61.488	- / 78.234	- / 93.100	- / 720.549	- / 1,041.284	
<b>Support (All Modification Items)</b>													
OTHER GOVT	- / -	- / -	- / -	- / 0.290	- / -	- / 0.290	- / 1.466	- / 1.947	- / 1.594	- / 0.046	- / 15.808	- / 21.151	
Data	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.500	- / 1.500	
SIM/TRAINER	- / -	- / -	- / -	1 / 2.522	- / -	1 / 2.522	- / 2.625	2 / 7.164	1 / 5.634	6 / 15.296	6 / 58.432	16 / 91.673	
SUPPORT-EQUIP	- / -	- / -	- / -	- / 15.909	- / -	- / 15.909	- / 15.413	- / 4.277	- / 15.485	- / 4.299	- / 48.208	- / 83.591	
<i>Subtotal: Support</i>	- / -	- / -	- / -	1 / 8.721	- / -	1 / 8.721	- / 9.504	2 / 13.388	1 / 22.713	6 / 19.641	6 / 123.948	16 / 197.915	
<b>Installation</b>													
<i>Modification Item 1 of 1:</i> Block 81 LM Kit													
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 4.178	14 / 19.894	14 / 20.292	118 / 189.605	149 / 233.969	
<b>Total</b>													
<b>Total Cost (Procurement + Support + Installation)</b>	-	-	-	28.716	-	28.716	77.422	79.054	120.841	133.033	1,034.102	1,473.168	

**UNCLASSIFIED**

<b>Exhibit P-3a, Individual Modification:</b> PB 2016 Air Force		<b>Date:</b> February 2015
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 3010F / 05 / 5	<b>P-1 Line Item Number / Title:</b> C1300J / C-130J MODS	<b>Modification Number / Title:</b> 5222 / BLOCK 8.0

**Modification Item 1 of 1:** Block 81 LM Kit

**Manufacturer Information**

Manufacturer Name: Lockheed Martin	Manufacturer Location: Marietta/Greenville
Administrative Leadtime (in Months): 3	Production Leadtime (in Months): 18

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates			Jan 2016	Jan 2017	Jan 2018	Jan 2019	Jan 2020
Delivery Dates			Jul 2017	Jul 2018	Jul 2019	Jul 2020	Jul 2021

**Installation Information**

**Method of Implementation:** Depot

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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 4.178	- / -	- / -	- / -	3 / 4.178
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 19.894	- / -	- / -	14 / 19.894
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 20.292	- / -	14 / 20.292
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 14.784	10 / 14.784
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 30.160	20 / 30.160
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	88 / 144.661	88 / 144.661
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 4.178	14 / 19.894	14 / 20.292	118 / 189.605	149 / 233.969

**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	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	3	4	3	4	2	3	4	5	118	149
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	3	4	3	4	2	3	4	5	118	149