

CLASSIFICATION:

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET											DATE:	
P-40											February 2004	
APPROPRIATION/BUDGET ACTIVITY							P-1 ITEM NOMENCLATURE					
Aircraft Procurement, Navy/BA-4							KC-130J (MYP)					
Program Element for Code B Items:							Other Related Program Elements					
N/A												
	Prior Years	ID Code		FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Program
QUANTITY	13	A		4	0	4	4	4	4	5	13	51
Net P-1 Cost (\$M)	886.602			299.929	38.872	278.686	294.320	257.152	262.523	341.656	1,177.507	3,837.247
Advance Proc (\$M)				8.000	39.703	45.531	45.626	45.737	40.000			224.597
Wpn Sys Cost (\$M)	886.602			307.929	78.575	324.217	339.946	302.889	302.523	341.656	1,177.507	4,061.844
Initial Spares (\$M)	16.991			13.561	43.404	6.013	23.115	7.395	12.411		68.704	191.594
Proc Cost (\$M)	903.593			321.490	121.979	330.230	363.061	310.284	314.934	341.656	1,246.211	4,253.438
Unit Cost (\$M)	69.507			80.373		82.558	90.765	77.571	78.734	68.331	95.862	83.401

Description:
 The KC-130J aircraft is an all metal, high-wing, long-range, land-based monoplane. It is designed for cargo, tanker and troop carrier operations. For tanker operations, the aircrew will consist of a pilot, co-pilot, augmented crew member and two air refueling observers. Features include wing mounted refueling pods, an internal cargo ramp and door, crew and cargo compartment pressurization, ground and in-flight refueling, thermal deicing systems and a Heads-Up Display (HUD). It is designed to take off and land on unimproved runways.

Mission:
 The mission of the KC-130J is to provide tactical in-flight refueling and assault support transport. As a tactical transport, it is capable of conventional or aerial delivery of personnel or cargo. The aircraft is capable of carrying 92 combat troops or 64 paratroopers with equipment or 64 litters when configured as an ambulance. The aircraft is equipped for in-flight refueling to service two aircraft simultaneously and has a removable 3,600 gallon (13,627 liter) fuel tank in the cargo compartment.

The KC-130J has the capability to refuel low-speed helicopters and high-speed jet aircraft. Aerial refueling of helicopters is normally conducted at 6,000 feet or below, at an airspeed of 115 KTS TAS and requires a ground change of the refueling basket. The KC-130J aircraft will be powered by four Allison AE 2100D3 Turbo-Prop Engines with four six-bladed composite propellers. The cockpit will include state-of-the-art electronics with Liquid Crystal Display (LCD) instrumentation. The improved power performance of the KC-130J will provide 40 percent greater range, 25 percent higher cruise ceiling, 46 percent decrease in time-to-climb, 21 percent increase in maximum speed and 41 percent decrease in maximum effort take-off run over the existing KC-130F/R/T models.

Basis for FY 2005 Request:
 The FY 2005 budget request provides for 4 aircraft and support and \$45.5M advance procurement for FY 2006. FY 2005 will be the third year of a multiyear contract (FY 2003-FY2008).

AIRCRAFT COST ANALYSIS

P-5 Cost Sheet

Date: February 2004

Aircraft model: KC-130J (MYP)

\$ in thousands

	Prior Years Total Cost	FY 2003 Qty: 4		FY 2004 Qty: 0		FY 2005 Qty: 4	
		Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
1 Airframe CFE	760,700.000	67,900.000	271,600.000			69,900.000	279,600.000
2 CFE Electronics							
3 GFE Electronics	10,457.860	1,361.545	5,446.180			1,386.708	5,546.831
4 Engines/Eng Acc							
5 Armament							
6 Other GFE	2,764.034	346.778	1,387.110			353.186	1,412.745
7 Rec Flyaway ECO							
8 Rec Flyaway Cost	773,921.894	69,608.322	278,433.290			71,639.894	286,559.577
9 Non-Recur Cost	1,200.000						
10 Ancillary Equip							
11							
12 Total Flyaway	775,121.894		278,433.290				286,559.577
13 Airframe PGSE	1,079.332		733.060				
14 Engine PGSE	1,179.120		1,178.168				
15 Avionics PGSE	2,366.489		1,401.321				
16 Pec Trng Eq	13,425.000				26,068.523		26,616.583
17 Pub/Tech Eq	1,940.754		408.995		52.790		53.652
18 Other ILS*	44,411.371		7,212.758		4,490.130		3,181.160
19 Prod Eng Supt	28,478.000		10,561.408		8,260.557		3,978.028
20 APN-4 Spares	18,600.040						
21 Support Cost	111,480.106		21,495.710		38,872.000		33,829.423
22 Gross P-1 Cost	886,602.000		299,929.000		38,872.000		320,389.000
23 Adv Proc Credit							(41,703.000)
24 Net P-1 Cost	886,602.000		299,929.000		38,872.000		278,686.000
25 Adv Proc CY			8,000.000		39,703.000		45,531.000
26 Weapon System Cost	886,602.000		307,929.000		78,575.000		324,217.000
27 Initial Spares	16,991.000		13,561.000		43,404.000		6,013.000
28 Procurement Cost	903,593.000		321,490.000		121,979.000		330,230.000

P-1 SHOPPING LIST

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System KC-130J (MYP)		A. DATE February 2004		
B. APPROPRIATION/BUDGET ACTIVITY Aircraft Procurement, Navy/BA-4				C. P-1 ITEM NOMENCLATURE KC-130J (MYP)				SUBHEAD 44A9	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (\$000)	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	TECH DATA AVAILABLE NOW?	DATE REVISIONS AVAILABLE
<u>Airframe/CFE</u>									
FY 2003	4	\$67,900	USAF WRIGHT PATT OHIO	MYP	LMAS MARIETTA, GA	MAR 03	OCT 04	N/A	N/A
FY 2003 Adv Proc - MYP EOQ (for FY 2005 - FY 2008)			USAF WRIGHT PATT OHIO	MYP	LMAS MARIETTA, GA	JUN 03			
FY 2004 for FY 2005 Adv Proc			USAF WRIGHT PATT OHIO	MYP	LMAS MARIETTA, GA	NOV 03			
FY 2005	4	\$69,900	USAF WRIGHT PATT OHIO	MYP	LMAS MARIETTA, GA	DEC 04	JUL 05	N/A	N/A
FY 2005 for FY 2006 Adv Proc			USAF WRIGHT PATT OHIO	MYP	LMAS MARIETTA, GA	DEC 04			
D. REMARKS									

