BUDGET ITEM JUSTIFICATION SHEET	DATE FEBRUARY 1999
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2	P-1 ITEM NOMENCLATURE C-130 MODIFICATIONS

	DESCRIPTION	Prior Years	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05
14.	EC-130 Upgrades	14.500			.844					
15.	C-130 Engine Infrared Suppression	.000			4.747	15.779	7.303			
16.	Gas Turbine Compressor	.000			1.661	.757	.649			
17.	AC-130H Sustainment	.000			1.490	1.489	1.510	1.535	1.567	1.599
18.	MC-130H Air Refueling Capability	.000					17.937	26.723	21.022	20.159
19.	ALE-47 Chaff and Flare Dispenser (AC-130H/U, EC-130E, HC-130P/N, MC-130E/H)	.000			6.643	4.438	4.486	3.349		
20.	MC-130H Armor	.000	1.900							
21.	Engineering Change Proposal - 93	.000	16.143							
22.	AC-130U P3I (Covert LIA)	.000			5.431	5.307				
23.	ALR-69 AND ALQ-172 Antennas	.000				5.366				
24.	SILENT SHIELD	.000		2.493						
	SUBTOTAL FOR MODS	**219.521**	**96.586**	**66.987**	**98.893**	**34.407**	**44.544**	**73.423**	**60.476**	**30.493**

COST ANALYSIS EXHIBIT (P-5) -	A. Appropriation/Budget Activity Title/No. Procurement, Defense-Wide/Proc. Just./2		B. Line Item Nomenclature C-130 MODIFICATIONS				C. DATE: FEBRUARY 1999			
Work Breakdown Structure	FY 1997		FY 1998		FY 1999		FY 2000		FY 2001	
Cost Elements ($thousands)	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
ENGINE/ACCESSORIES										
AVIONICS										
a. CFE										
b. GFE										
PRE-PLANNED PRODUCT IMPROVEMENT						12,412		5,431		10,673
SERVICE REPORTS/PQDRS		9,752								
OTHER COSTS										
SUBTOTAL FLYAWAY COST		9,752				12,412		5,431		10,673
AIRFRAME PGSE										
ENGINE PGSE										
AVIONICS PGSE										
I LEVEL SUPPORT EQUIPMENT										
PUBLICATONS/TECH DATA										
INTERIM CONTRACTOR SUPPORT								199		195
OTHER										
INITIAL SPARES										
SUBTOTAL SUPPORT COST								199		195
GROSS P-1 END COST										
LESS: PRIOR YR. ADV. PROC										
NET P-1 FULL FUNDING COST										
PLUS CURRENT YEAR ADV. PROC.										
OTHER NON P-1 WEAPON SYS COSTS										
INITIAL SPARES										
MODIFICATION SUMMARY		81,345		96,586		54,575		93,263		23,539
LINE ITEM TOTAL		91,097		96,586		66,987		98,893		34,407

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: DIRECTIONAL INFRARED COUNTERMEASURES SYSTEM

MODELS OF SYSTEMS AFFECTED: AC-130H, AC-130U, MC-130H, MC-130E

DESCRIPTION/JUSTIFICATION: Provides 59 SOF C-130 aircraft (and 1 spare) with a Directional Infrared Countermeasure (DIRCM) system capability. The DIRCM system will work in conjunction with other onboard self protection systems to enhance the aircraft's survivability against infrared guided missiles. Execution of this program is in concert with a joint United Kingdom/United States cooperative development/production effort. Long lead authorized for first production. Funding IAW UK Cooperative Agreement. Contract is a development contract with production options. FY00 and FY01 RDT&E funding supports non-recurring engineering costs for installation of a laser upgrade insert for DIRCM for the MC-130H Combat Talon II and AC-130U Gunship models.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: CONTRACT AWARD: Mar 95; CDR: Oct 95; MS III; Jun 99; 1st trial install: 1st Qtr FY00; 1st production install: 1st Qtr FY00.

(Aircraft Breakout: 0 ANG; 0 AFRES; 59 Active)

FINANCIAL PLAN: ($ in millions)

	PYs		FY98		FY99		FY00		FY01		FY02		FY03		FY04		FY05		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E		48.9		6.9		2.5		3.0		7.9											0	69.2
PROCUREMENT		45.6		47.0		8.5		65.1													0	166.2
Group A Kits	15	5.4	21	6.0			24	7.9													60	19.3
Group A Kit Nonrecurring																					0	0.0
Group B Kits		25.1		29.8				38.0													0	92.9
Group B Kit Nonrecurring																					0	0.0
Data																					0	0.0
Support Equipment		6.7		5.6		1.7		4.9													0	18.9
Other		0.7		0.1		0.2		1.6													0	2.6
Equipment (Other)		2.3		0.6		1.3		7.7													0	11.9
Interim Contractor Support		5.4		4.9		5.3		5.0													0	20.6

Installation of Hardware

PY																					0	0.0
FY98																					0	0.0
FY99																					0	0.0
FY00							17														17	0.0
FY01									24												24	0.0
FY02											18										18	0.0
FY03																					0	0.0
FY04																						
FY05																						
To Complete																					0	0.0
Total Installation Cost	0	0.0	0	0.0	0	0.0	17	0.0	24	0.0	18	0.0	0	0.0	0	0.0	0	0.0	0	0.0	59	0.0
Total Procurement		45.6		47.0		8.5		65.1		0.0		0.0		0.0		0.0		0.0		0.0		166.2

METHOD OF IMPLEMENTATION: CONTRACTOR FIELD TEAM ADMINISTRATIVE LEADTIME: N/A PRODUCTION LEADTIME: 6 MONTHS

CONTRACT DATE: Current Year : 06/99 Budget Year 1: 01/00 Budget Year 2: N/A

DELIVERY DATE: Current Year: 11/99 Budget Year 1: 04/00 Budget Year 2: N/A

Exhibit P-3a, Individual Modification (Cont)

MODIFICATION TITLE: DIRECTIONAL INFRARED COUNTERMEASURES SYSTEM

INSTALLATION SCHEDULE

	PYs	1998				1999				2000				2001				2002			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
In										1	4	6	6	6	6	6	6	6	6	6	
Out											1	4	6	6	6	6	6	6	6	6	6

	2003				2004				2005				To Complete	Total
	1	2	3	4	1	2	3	4	1	2	3	4		
In														59
Out														59

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: AC-130H LOW LIGHT LEVEL TV REPLACEMENT (LLLTV)

MODELS OF SYSTEMS AFFECTED: AC-130H

DESCRIPTION/JUSTIFICATION: This modification will improve the reliability, maintainability, supportability, and performance of the LLLTV system by modifying and/or redesigning three of its major subsystems. These subsystems are the AN/AXQ-17 camera, AN/AJQ-24C Stabilized Tracking Set, and the AN/AAQ-7 Laser Illuminator. FY95 funded an AFSOC urgent requirement for improved performance on two AC-130H aircraft.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Studies contract awarded Apr 96. Trial install and testing 4th Qtr FY 99. (Aircraft Breakout: 0 ANG; 0 AFRES; 8 Active)

FINANCIAL PLAN: ($ in millions)

	PYs		FY98		FY99		FY00		FY01		FY02		FY03		FY04		FY05		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E		3.3		0.1																	0	3.4
PROCUREMENT		2.2		7.0		14.1		11.8		1.1											0	36.2
Installation Kits						0.6		0.8													0	1.4
Install Kits Nonrecurring				0.3		0.5															0	0.8
Equipment		0.2			3	3.9	4	5.2													7	9.3
Equipment Nonrecurring		1.3		6.6	1	8.8															1	16.7
Modification of Spares								2.2													0	2.2
Engineering Change Orders								0.1		0.2											0	0.3
Data				0.10		0.2		1.6		0.6											0	2.5
Training Equipment																					0	0.0
Support Equipment								0.5													0	0.5
Test Range						0.1		1.0													0	1.1
Interim Contractor Support		0.7						0.3		0.3											0	1.3
Installation of Hardware																						
PY																					0	0.0
FY97																					0	0.0
FY98																					0	0.0
FY99					1																1	0.0
FY00							6	0.1													6	0.1
FY01									1												1	0.0
FY02																					0	0.0
FY03																					0	0.0
FY04																						
FY05																						
To Complete																					0	0.0
Total Installation Cost	0	0.0	0	0.0	1	0.0	6	0.1	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	8	0.1
Total Procurement		2.2		7.0		14.1		11.8		1.1		0.0		0.0		0.0		0.0		0.0		36.2

METHOD OF IMPLEMENTATION: CONTRACTOR FIELD TEAM ADMINISTRATIVE LEADTIME: 9 MONTHS PRODUCTION LEADTIME: 12 MONTHS

CONTRACT DATE:	Current Year : 02/99	Budget Year 1: 02/00	Budget Year 2: 02/01
DELIVERY DATE:	Current Year: 11/99	Budget Year 1: 11/00	Budget Year 2: N/A

Exhibit P-3a, Individual Modification (Cont)

MODIFICATION TITLE: AC-130H LOW LIGHT LEVEL TV REPLACEMENT (LLLTV)

INSTALLATION SCHEDULE

	PYs	1998				1999				2000				2001				2002			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
In									1		3		3	1							
Out									1		3		2	2							

	2003				2004				2005				To Complete	Total
	1	2	3	4	1	2	3	4	1	2	3	4		
In														8
Out														8

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: C-130 ENGINE INFRARED SUPPRESSION

MODELS OF SYSTEMS AFFECTED: MC-130P, EC-130EH, EC-130E, AC-130H, AC-130U, MC-130H, MC-130E

DESCRIPTION/JUSTIFICATION: Provides 46 shipsets of engine IR Suppression for SOF C-130 aircraft. Also installs Group A installation kits on all 93 SOF C-130 aircraft.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Contract Award: Sep 99;Formal testing; 2QTRFY01; MS III Decision; 3QTRFY01

FINANCIAL PLAN: ($ in millions)

	PYs		FY98		FY99		FY00		FY01		FY02		FY03		FY04		FY05		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E						2.5		4.0		0.7		0.5		0.5							0	8.2
PROCUREMENT								4.7		15.8		7.3									0	27.8
Installation Kits																					0	0.0
Install Kits Nonrecurring																					0	0.0
Equipment								1.8		4.4		1.8									0	8.0
Equipment Nonrecurring																					0	0.0
Engineering Change Orders																					0	0.0
Data								0.6		1.8		0.6									0	3.0
Group B Kits							7	2.0	27	8.0	12	4.0									46	14.0
Group A Kits							10	0.3	52	1.6	31	0.9									93	2.8
																					0	0.0
																					0	0.0
Installation of Hardware																						
PY																					0	0.0
FY98																					0	0.0
FY99																					0	0.0
FY00							7														7	0.0
FY01									27												27	0.0
FY02											12										12	0.0
FY03																					0	0.0
FY04																					0	0.0
FY05																						
To Complete																					0	0.0
Total Installation Cost	0	0.0	0	0.0	0	0.0	7	0.0	27	0.0	12	0.0	0	0.0	0	0.0	0	0.0	0	0.0	46	0.0
Total Procurement		0.0		0.0		0.0		4.7		15.8		7.3		0.0		0.0		0.0		0.0		27.8

METHOD OF IMPLEMENTATION: ADMINISTRATIVE LEADTIME: 6 MONTHS PRODUCTION LEADTIME: 4 MONTHS

CONTRACT DATE: Current Year : N/A Budget Year 1: N/A Budget Year 2: N/A

DELIVERY DATE: Current Year : N/A Budget Year 1: N/A Budget Year 2: N/A

Exhibit P-3a, Individual Modification (Cont)

MODIFICATION TITLE: C-130 ENGINE INFRARED SUPPRESSION

INSTALLATION SCHEDULE

	PYs	1998				1999				2000				2001				2002			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
In												2	5	7	7	7	6	7	5		
Out												2	5	7	7	7	6	7	5		

	2003				2004				2005				To Complete	Total
	1	2	3	4	1	2	3	4	1	2	3	4		
In														46
Out														46

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: ALE-47 CHAFF AND FLARE DISPENSER

MODELS OF SYSTEMS AFFECTED: AC-130H, AC-130U, MC-130E, and MC-130H

DESCRIPTION/JUSTIFICATION: Upgrade the current ALE-40, Chaff and Flare Dispenser System with the AN/ALE-47 Countermeasures Dispensing System. The ALE-47 is a programmable, threat adaptive dispensing system designed to enhance aircraft survivability in a IR/RF threat environment.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Contract Award 1QTR00. (Aircraft Breadout: 0 ANG; 0 AFRES; 59 Active)

FINANCIAL PLAN: ($ in millions)

	PYs		FY98		FY99		FY00		FY01		FY02		FY03		FY04		FY05		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E																					0	0.0
PROCUREMENT								6.6		4.4		4.5		3.3							0	18.8
Installation Kits									28	0.3	27	0.2									55	0.5
Install Kits Nonrecurring							4	6.1													4	6.1
Equipment							4	0.2		1.5		1.5									4	3.2
Equipment Nonrecurring																					0	0.0
Engineering Change Orders										0.3				0.1							0	0.4
Data								0.1		0.4		0.1		0.2							0	0.8
Training/Equipment								0.1		0.6		0.1		0.2							0	1.0
Support Equipment								0.1		0.7				0.3							0	1.1
ICS										0.6		0.2									0	0.8
																					0	0.0
Installation of Hardware																						
PY																					0	0.0
FY98																					0	0.0
FY99																					0	0.0
FY00																					0	0.0
FY01									4 *												4	0.0
FY02											28	2.4									28	2.4
FY03													27	2.5							27	2.5
FY04																					0	0.0
FY05																						
To Complete																					0	0.0
Total Installation Cost	0	0.0	0	0.0	0	0.0	0	0.0	4	0.0	28	2.4	27	2.5	0	0.0	0	0.0	0	0.0	59	4.9
Total Procurement		0.0		0.0		0.0		6.6		4.4		4.5		3.3		0.0		0.0		0.0		18.8

* Trial Install funded under NRE

METHOD OF IMPLEMENTATION: CONTRACTOR ADMINISTRATIVE LEADTIME: 18 MONTHS PRODUCTION LEADTIME: 12 MONTHS

CONTRACT DATE: Current Year : N/A Budget Year 1: 10/00 Budget Year 2: 10/01

DELIVERY DATE: Current Year : N/A Budget Year 1: 10/01 Budget Year 2: 10/02

Exhibit P-3a, Individual Modification (Cont)

MODIFICATION TITLE: ALE-47 CHAFF AND FLARE DISPENSER

INSTALLATION SCHEDULE

	PYs	1998				1999				2000				2001				2002			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
In														4				7	7	7	7
Out															4				7	7	7

	2003				2004				2005				To Complete	Total
	1	2	3	4	1	2	3	4	1	2	3	4		
In	7	7	7	6										59
Out	7	7	7	7	6									59

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: AC-130U P3I (Covert LIA)

MODELS OF SYSTEMS AFFECTED: AC-130U

DESCRIPTION/JUSTIFICATION: This program enhances the covertness of the All Light Level Television (ALLTV) Laser Illuminator (LIA). It requires two changes - a change in the laser wavelength and and implementation of variable power control which allows laser illuminator power to be changed. This planned improvement is being developed as two engineering change proposals to the basic system and delivered as two discrete hardware blocks for installation on aircraft, trainers and software integration labs as required. One kit and equipment set is RDT&E funds.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: IOC: 29 Mar 96; FOC: Mar 01, (Aircraft Breakout: 0 ANG; 0 AFRES; 13 Active)

FINANCIAL PLAN: ($ in millions)

	PYs		FY98		FY99		FY00		FY01		FY02		FY03		FY04		FY05		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E																					0	
PROCUREMENT								5.5		5.4											0	10.9
Installation Kits							7	0.5	5	0.3											12	0.8
Install Kits Nonrecurring																					0	0.0
Equipment							7	2.3	5	1.6											12	3.9
Equipment Nonrecurring																					0	0.0
Mod of Spares									8	2.7											8	2.7
Data								1.3													0	1.3
Training																					0	0.0
Engineering Change Order								0.2													0	0.2
																					0	0.0
Installation of Hardware																						
PY																					0	0.0
FY98																					0	0.0
FY99																					0	0.0
FY00							7	1.2													7	1.2
FY01									5	0.8											5	0.8
FY02																					0	0.0
FY03																					0	0.0
FY04																						
FY05																						
To Complete																					0	0.0
Total Installation Cost	0	0.0	0	0.0	0	0.0	7	1.2	5	0.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	12	2.0
Total Procurement		0.0		0.0		0.0		5.5		5.4		0.0		0.0		0.0		0.0		0.0		10.9

METHOD OF IMPLEMENTATION: CONTRACTOR ADMINISTRATIVE LEADTIME: 2 MONTHS PRODUCTION LEADTIME: 3 MONTHS

CONTRACT DATE: Current Year : N/A Budget Year 1: N/A Budget Year 2: N/A

DELIVERY DATE: Current Year : N/A Budget Year 1: N/A Budget Year 2: N/A

Exhibit P-3a, Individual Modification (Cont)

MODIFICATION TITLE: AC-130U P3I (Covert LIA)

INSTALLATION SCHEDULE

	PYs	1998				1999				2000				2001				2002			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
In											2	2	3	3	2						
Out												2	2	3	3	2					

	2003				2004				2005				To Complete	Total
	1	2	3	4	1	2	3	4	1	2	3	4		
In														12
Out														12

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: AC-130U P3I (ALR-69 and ALQ-172 Antennae)

MODELS OF SYSTEMS AFFECTED: AC-130U

DESCRIPTION/JUSTIFICATION: This program replaces the AN/ALR-56M with the AN/ALR-69. It improves the AC-130U defensive capability by providing aural warning of enemy radar systems which enhances aircraft survivability. It completes AFSOC's program to have a single radar warning receiver system, the ALR-69, on all SOF C-130s to reduce life cycle costs. The ALQ-172 High Band Antennas will be reboresighted to provide the optimum coverage to meet AFSOC mission needs. Group B Kits will be provided as GFE.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: IOC: 29 Mar 96; FOC: Mar 01, (Aircraft Breakout: 0 ANG; 0 AFRES; 13 Active)

FINANCIAL PLAN: ($ in millions)

	PYs		FY98		FY99		FY00		FY01		FY02		FY03		FY04		FY05		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E								3.0													0	3.0
PROCUREMENT										5.5											0	5.5
Installation Kits							4	0.4	9	0.4											13	0.8
Install Kits Nonrecurring								0.4		0.4											0	0.8
Equipment																					0	0.0
Equipment Nonrecurring																					0	0.0
Test								0.7		0.9											0	1.6
Data								0.5		0.6											0	1.1
Training								0.2		0.3											0	0.5
Engineering Change Order								0.2		0.3											0	0.5
Other																					0	0.0

Installation of Hardware

PY																					0	0.0
FY98																					0	0.0
FY99																					0	0.0
FY00							4	0.1													4	0.1
FY01									9	0.1											9	0.1
FY02																					0	0.0
FY03																					0	0.0
FY04																						
FY05																						
To Complete																					0	0.0
Total Installation Cost	0	0.0	0	0.0	0	0.0	4	0.1	9	0.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	13	0.2
Total Procurement		0.0		0.0		0.0		2.5		3.0		0.0		0.0		0.0		0.0		0.0		5.5

METHOD OF IMPLEMENTATION: CONTRACTOR ADMINISTRATIVE LEADTIME: 2 MONTHS PRODUCTION LEADTIME: 3 MONTHS

CONTRACT DATE: Current Year : N/A Budget Year 1: N/A Budget Year 2: N/A

DELIVERY DATE: Current Year : N/A Budget Year 1: N/A Budget Year 2: N/A

Exhibit P-3a, Individual Modification (Cont)

MODIFICATION TITLE: AC-130U P3I (ALR-69 and ALQ-172 Antennae)

INSTALLATION SCHEDULE

	PYs	1998				1999				2000				2001				2002			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
In										1			3	3	3	3					
Out										1			3	3	3	3					

	2003				2004				2005				To Complete	Total
	1	2	3	4	1	2	3	4	1	2	3	4		
In														13
Out														13

BUDGET ITEM JUSTIFICATION SHEET							DATE FEBRUARY 1999		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2				P-1 ITEM NOMENCLATURE AIRCRAFT SUPPORT					
	Prior Years	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05
QUANTITY									
COST (In Millions $)	245.198	3.652	.857	1.729	2.200	1.662	8.691	27.941	60.628

MISSION AND DESCRIPTION: This program provides for various types of equipment required to support Special Operations Forces (SOF) aircraft. A more detailed description and justification of the requirements are as follows:

1. ACQUISITION PROGRAMS.

a. Ring Laser Gyros (RLG). This program replaces outdated Inertial Navigation Units with new RLG technology on Force Activity Designator (FAD) 1 SOF aircraft. This replacement increases the reliability of these weapon systems; reduces maintenance and support requirements; and enhances navigation and delivery capabilities.

b. C-17 Special Operations Low Level (SOLL) II. This program begins the transition of the C-17 for the C-141 SOLL II aircraft. The C-141 has realized its service life and will be replaced by the C-17. As the United States Special Operations Command (USSOCOM) studies and validates its heavy lift SOLL requirements, a to be determined number of C-17 aircraft will possibly receive similar type of mission avionics and sensors.

FY 2000 PROGRAM JUSTIFICATION: Continues procurement of avionics to enhance aircraft capabilities for USSOCOM SOLL missions.

FY 2001 PROGRAM JUSTIFICATION: Continues procurement of avionics to enhance aircraft capabilities for USSOCOM SOLL missions.

c. Common Avionics Architecture for Penetration (CAAP). This program integrates into various SOF aircraft improved terrain following/terrain avoidance navigation and off board situation awareness programs. The program addresses the current passive detection problem by providing an off board capability to receive near real time beyond line of sight threat information.

BUDGET ITEM JUSTIFICATION SHEET	DATE FEBRUARY 1999
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2	P-1 ITEM NOMENCLATURE AIRCRAFT SUPPORT

2. SUSTAINMENT PROGRAMS. USSOCOM Command and Control (C2) EC-137 Aircraft. This is the SOF C2 aircraft modified with suitable secure communications necessary for USSOCOM to perform its mission. This aircraft is responsive to contingency operations and capable of rapid, worldwide deployment. The aircraft transports personnel required for C2 operations and allows them to interface with other theater staffs. The EC-137 is a modified commercial Boeing 707 and must be kept current with applicable FAA service bulletins, airworthiness directives, safety supplemental inspection directives, and time compliance technical orders.

FY 2000 PROGRAM JUSTIFICATION: Funds for continuation of EC-137 communication upgrades and other airworthiness requirements as directed by the FAA.

FY 2001 PROGRAM JUSTIFICATION: Continues to fund EC-137 communication upgrades and other airworthiness requirements as directed by the FAA.

COST ANALYSIS EXHIBIT (P-5) - Aviation	A. Appropriation/Budget Activity Title/No. Procurement, Defense-Wide/Proc. Just./2				B. Line Item Nomenclature AIRCRAFT SUPPORT			C. DATE: FEBRUARY 1999		
Work Breakdown Structure	FY 1997		FY 1998		FY 1999		FY 2000		FY 2001	
Cost Elements ($thousands)	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
1. ACQUISITION PROGRAMS										
A. Ring Laser Gyro		2,504	89.500	3,162						
B. Interim Contractor Support		4,931								
C. C-17 Soll II						380		1,232		1,700
Subtotal		7,435		3,162		380		1,232		1,700
2. SUSTAINMENT PROGRAMS										
A. SOF C2 Aircraft		1,204		490		477		497		500
Subtotal		1,204		490		477		497		500
LINE ITEM TOTAL		8,639		3,652		857		1,729		2,200

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BUDGET ITEM JUSTIFICATION SHEET							DATE FEBRUARY 1999		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2				P-1 ITEM NOMENCLATURE PATROL COASTAL					
	Prior Years	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05
QUANTITY									
COST (In Millions $)	178.709	10.317							

MISSION AND DESCRIPTION: The Patrol Coastal will conduct coastal patrol, surveillance, and interdiction operations and will support Naval Special Warfare Missions. The ship is equipped with two 25MM guns, one MK 38 and one MK 96 stabilized gunmount as well as M60 .50 caliber machine guns and Stinger missiles. The need for a coastal patrol and interdiction combatant craft capability was validated during operation "Earnest Will" in the Persian Gulf as well as through increased commitments supporting missions in CONUS and the SOUTHCOM areas of responsibility.

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BUDGET ITEM JUSTIFICATION SHEET							DATE FEBRUARY 1999		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2				P-1 ITEM NOMENCLATURE ADVANCED SEAL DELIVERY SYSTEM (ASDS)					
	Prior Years	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05
QUANTITY						1		1	
COST (In Millions $)		2.321	7.960	21.213	24.265	62.153	13.303	44.279	11.380

MISSION AND DESCRIPTION: The Advanced Sea, Air, Land (SEAL) Delivery System (ASDS) is a manned combatant dry submersible, used for the clandestine delivery of SEAL personnel and weapons. The ASDS will provide the requisite range, endurance, payload, and other capabilities for operations in a full range of threat environments. Procurement includes funds for conversion of submarine hosts for ASDS.

FY 2000 PROGRAM JUSTIFICATION: Provides engineering and planning yard support, host submarine conversion and support equipment.

FY 2001 PROGRAM JUSTIFICATION: Provides engineering and planning yard support, government furnished equipment, host submarine conversion and support equipment, peculiar support equipment and ASDS alterations.

COST ANALYSIS EXHIBIT (P-5) - Shipbuilding	A. Appropriation/Budget Activity Title/No. Procurement, Defense-Wide/Proc. Just./2		B. Line Item Nomenclature ADVANCED SEAL DELIVERY SYSTEM (ASDS)				C. DATE: FEBRUARY 1999			
Work Breakdown Structure	FY 1997		FY 1998		FY 1999		FY 2000		FY 2001	
Cost Elements ($thousands)	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
1. ASDS HOST SUB CONVERSION				2,321		5,697				5,099
2. ASDS HOST SUPPORT EQUIPMENT						2,263		8,776		5,819
3. ASDS VEHICLE PROCUREMENT										
4. ASDS PECULIAR SUPPORT EQUIPMENT								5,783		6,261
5. ASDS GOVERNMENT FURNISHED EQUIPMENT								5,067		4,322
6. ASDS ENGINEERING AND PLANNING YARD SUPPORT								1,093		1,794
7. ASDS ALTERATIONS								494		970
LINE ITEM TOTAL		0		2,321		7,960		21,213		24,265