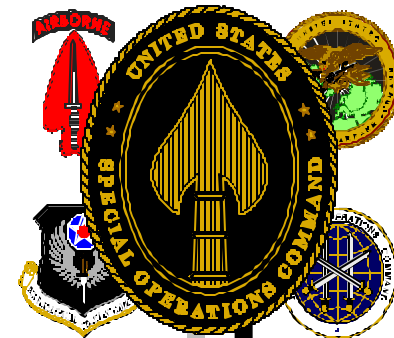


**UNITED STATES SPECIAL OPERATIONS COMMAND**



# **FISCAL YEAR 2001 BUDGET ESTIMATES**

**PROCUREMENT, DEFENSE-WIDE**

**FEBRUARY 2000**



UNCLASSIFIED

UNITED STATES SPECIAL OPERATIONS COMMAND

PROCUREMENT DOCUMENTATION FOR THE FY 2001 BUDGET ESTIMATES

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UNITED STATES SPECIAL OPERATIONS COMMAND

PROCUREMENT DOCUMENTATION FOR THE FY 2001 BUDGET ESTIMATES

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**PROCUREMENT PROGRAM EXECUTIVE SUMMARY**

## SPECIAL OPERATIONS FORCES

	<u>\$ in Millions</u>
FY 2001 Estimate	525.317
FY 2000 Estimate	729.101
FY 1999 Actual	511.028

PART I. PURPOSE AND SCOPE

The United States Special Operations Command (USSOCOM), one of the unified commands in the U.S. military's combatant command structure, is composed of Army, Navy, and Air Force Special Operations Forces (SOF). USSOCOM's mission is to support the geographic commanders-in-chief (CINCs), ambassadors and their country teams, and other government agencies by preparing SOF to successfully conduct special operations, including civil affairs and psychological operations, spanning the entire spectrum of operations. The commander in chief of USSOCOM (USCINCSOC) has two roles. In his capacity as a supporting CINC, he provides trained and ready SOF. In his role as a supported CINC, the USCINCSOC must be prepared to exercise command of selected special operations missions when directed by the National Command Authorities.

USSOCOM is the only operational command directly responsible for determining its own force structure requirement, determining the related materiel requirements, procuring the SOF-unique equipment, and training and deploying its own units. Army component forces consist of Special Forces (Green Berets), Rangers, special operations aviation, civil affairs and psychological operations specialists, and combat support and service support units. Navy component forces are organized to support naval and joint special operations within the theater unified command. These forces are organized, equipped, and trained to be highly mobile and quickly deployable and consist of Sea, Air, Land (SEAL) Teams and special boat units. The Air Force component forces are comprised of highly trained, rapidly deployable airmen who are equipped with highly specialized fixed and rotary-wing aircraft. Air Force Special Operations Command's *quiet professionals* deliver the nation's specialized air power to provide: SOF mobility, forward presence and engagement, precision employment/strike, and information operations. The Joint Special Operations Command is a joint headquarters designed to study special operations requirements and techniques, ensure interoperability and equipment standardization, plan and conduct special operations exercises and training, and develop joint special operations tactics.

## PROCUREMENT PROGRAM EXECUTIVE SUMMARY

Procurement funds provide for vital modernization and recapitalization in areas such as mobility, weapons and munitions, communications, and intelligence equipment. A dynamic and uncertain security environment has drastically increased the theater requirements for Special Operations Forces (SOF). Adequate funding is essential if SOF are to maintain their current capability and prepare to meet the future's challenges.

### PART II. JUSTIFICATION OF FY 2001 FUNDS REQUESTED

#### Aviation Programs

1. **Rotary Wing Upgrades and Sustainment** (FY 2001 - \$68.480 Million) A requirement exists to provide aviation support to SOF in worldwide contingency operations and low-intensity conflicts. This line item provides funds for Aircraft Survivability Equipment (ASE), avionics, and aircraft systems upgrades and modifications, and continued procurement of the MH-47E advanced cargo handling system and MH-47E/D forward cabin seats. Funds provide the continuing reliability improvements on the Voltage Regulator Supervisory Panel, end of life components on the APQ-158 radar, and various safety-related reliability and maintainability efforts. The budget also funds airframe and system upgrades, completes the Mission Enhancement Little Bird modifications, continues to install Conformal Tanks and Forward Looking Infrared Radar A-kits, and funds the installation of a weapons management system.
2. **SOF Training Systems** (FY 2001 - \$2.364 Million) This line item provides SOF Army and Air Force ground-based trainers to support initial refresher training, continuation training, and mission rehearsal. SOF Training Systems also funds database generating equipment required for building and maintaining real-world training and mission rehearsal scenarios, and integrates and supports MH-47E/MH-60K aircraft concurrency with upgrades including avionics 15.0, aircraft survivability equipment, and integrated aircraft systems.
3. **MC130H Combat Talon II** (FY 2001 - \$10.403 Million) The Combat Talon II is a production and sustainment program in which a specialized avionics suite has been integrated into a C-130H airframe. Its mission is to conduct night, adverse weather, low-level, long-range operations in hostile, politically denied/sensitive, defended areas to infiltrate, resupply, or exfiltrate special operations forces and equipment. Funding provides for continued transition from acquisition to post-production improvement and sustainment; completes organic radar repair depot; and continues software support, configuration management and control, and technical database currency.

**PROCUREMENT PROGRAM EXECUTIVE SUMMARY**

4. **CV-22 SOF Mod** (FY 2001 - \$8.533 Million) The CV-22 is a SOF variant of the V-22 vertical lift, multi-mission aircraft. The CV-22 will provide long-range, high speed infiltration, exfiltration, and resupply to SOF in hostile, denied, and politically sensitive areas. Funds procure a high fidelity Operational Flight Trainer (OFT) for Hurlburt Field, an Interactive Multimedia Instruction (IMI) course, and an Expedient Maintenance Trainer (EMT).
5. **AC-130U Gunship** (FY 2001 - \$13.871 Million) The AC-130U is a new production C-130H airframe converted to a side-firing gunship configuration with advanced sensors, weapons, and a digital avionics suite that will provide enhanced operational capability and reliability over the current AC-130H. Program funds a reduced level of interim contractor support (ICS) and piece part spares procurement, completes procurement of depot-level peculiar support equipment, and begins a reliability and maintainability assessment of system line replaceable and shop replaceable units. Program also continues software integration laboratory support, post-production support, and test program set modification efforts.
6. **C-130 Modifications** (FY 2001 - \$26.237 Million) This line item provides for numerous modifications to various models of the C-130 aircraft. Program is comprised of modifications generated from mission performance deficiencies, logistics problems, and changes in the mission of the C-130 aircraft. Specifically, funds will complete ICS on the 85-185L(A) auxiliary power unit upgrade on the MC-130H and AC-130U aircraft; procure final data and ICS, and complete installations for the AC-130H Low Light Level TV program; complete communications system upgrade for AC-130U to correct existing deficiencies and improve situation awareness; complete AC-130U radar upgrade for higher resolution and improved projectile impact prediction; begin procurement of production installs for the Gas Turbine Compressor program; install the first four ALE-47 trial installs and begin production buy; complete covertness upgrade of AC-130U All Light Level TV laser illuminator; and complete retrofit of AC-130U fleet with the ALR-69 radar warning receiver for greater commonality with other SOF platforms.
7. **Aircraft Support** (FY 2001 - \$2.186 Million) Aircraft Support provides for various types of equipment required to support SOF aircraft such as the C-17 Special Operations Low Level (SOLL) II. Funds continue procurement of avionics to enhance aircraft capabilities for USSOCOM SOLL II missions and EC-137 communication upgrades and other airworthiness requirements as directed by the Federal Aviation Administration.

**PROCUREMENT PROGRAM EXECUTIVE SUMMARY**Shipbuilding

1. **Advanced Sea, Air, Land (SEAL) Delivery System (ASDS) (FY 2001 - \$25.500 Million)/ASDS Advance Procurement (FY 2001 - \$22.472 Million)** The ASDS is a manned combatant mini-submarine used for the clandestine delivery of SEAL personnel and weapons. Procurement funds provide for conversion of submarine hosts for ASDS, engineering and planning yard support, government furnished equipment, support equipment, peculiar support equipment, and ASDS alterations. Advance Procurement orders long lead-time materiel for major subcomponents of ASDS #2 planned for delivery in FY 2004.
2. **Submarine Conversion (FY 2001 - \$1.559 Million)** Submarine Conversion will provide SSN 688 class submarines as Dry Deck Shelter host submarines to replace the decommissioning SSN 637/640 class submarines. These modifications will ensure the continued capability for clandestine, underwater SEAL and SEAL Delivery Vehicle infiltration/exfiltration operations. Funds complete fitup of one SSN-688 class submarine and updates logistics support.

Ammunition Programs

1. **SOF Ordnance Replenishment (FY 2001 - \$36.632 Million)** This line item provides ammunition for SOF components for required training and war reserve stock. The required funding will allow SOF components to accomplish the required annual training and maintain the building of the required combat reserve quantities. Funds are required to procure the following munitions: 25MM Cartridges (all types), 40MM Cartridges (all types), LAW system (includes 21MM LAW sub-caliber trainer and cartridges), STINGER Missile Training Support Equipment, Shotgun Cartridges (all types), handgun cartridges (all types of 9MM, .45Caliber, .357 Magnum), Rifle/Machine Gun Cartridges (all types of 5.56MM, 7.62MM and .50 Caliber), Grenades (offensive and smoke), and a variety of pyrotechnic signaling devices and demolition materiel consisting of signals, training devices, explosives, firing devices and accessories, detonating cords and time fuzes, blasting caps and initiators, and underwater mines.
2. **SOF Ordnance Acquisition (FY 2001 - \$25.978 Million)** This line item funds ordnance items that have acquisition requirements in support of SOF. Procures the following items to meet the inventory objectives for war reserve and training: Selectable Lightweight Attack Munitions, SOF Demolition Kits, Remote Activated Munitions Systems, 105mm high fragmentation rounds, Multi-purpose Anti-armor/Anti-personnel Weapons System, and Improved Limpet Mines. Also continues the refuzing of 40mm rounds with safe fuzes and provides 40mm armor piercing rounds with spotting charges.

**PROCUREMENT PROGRAM EXECUTIVE SUMMARY**Other Procurement

1. **Communications Equipment and Electronics** (FY 2001 - \$74.444 Million) This line item provides for communication systems to support SOF. The SOF mission mandates that systems remain technologically superior to any threat to provide a maximum degree of survivability. SOF units require communications equipment that will improve their warfighting capability without degrading their mobility. Funds will acquire a variety of radios (AN/PRC-137F, Multi-Band/Multi-Mission Radios, and Multi-Band Inter/Intra Team Radios); Miniature Multi-band Beacon (MMB) systems; SOF Tactical Assured Connectivity Systems (SOFTACS) with upgraded switches; and two V2 Joint Base Station systems. Funds will also extend the Defense Information System Network Video Services Global to the Theater Special Operations Commands, and procure a Top Scene like capability for one Mission Planning, Analysis, Rehearsal and Execution (MPARE) system suite.
2. **SOF Intelligence Systems** (FY 2001 - \$32.309 Million) SOF Intelligence Systems is comprised of all SOF intelligence requirements. This line item includes a variety of different intelligence systems such as the Joint Deployable Intelligence Support System-Special Operations Command, Research, Analysis and Threat Evaluation System, SOF Intelligence Vehicle, Multi-mission Advanced Tactical Terminal, SILENT SHIELD, Integrated Survey Program, SOF Signals Intelligence Manpack System, PRIVATEER, and Special Operations Tactical Video System (SOTVS). Funds procure Communications Surveillance Systems, Tactical Data Receivers, initial spares, Real Time Information into the Cockpit (RTIC) equipment for the AC-130U, Standards Compliance Evolutionary Technology Insertion (ETI) for MK-V Special Operations Crafts (SOCs) and Patrol Coastals (PCs), the Modern Modes Exploitation ETI for MK-Vs and PCs, the SATCOM Antenna ETI for PCs, and SOTVS.
3. **SOF Small Arms and Weapons** (FY 2001 - \$11.829 Million) This line item provides small arms and combat equipment in support of SOF, to include Army Rangers, Army Special Forces, Navy SEALs, Navy special boat units, and Air Force Special Tactics Operators. This line procures a variety of weapons and equipment to include; MK 93 tri-purpose M60/40MM/.50 Cal boat gun mounts, M4A1 SOF Carbine and Accessory Kit, Naval Special Warfare Peculiar Weapons, SOF Personal Equipment Advanced Requirements, 5.56 lightweight machine guns, SOF Laser Marker, Lightweight Thermal Imager, Improved Night/Day Observation/Fire Control Device, and Heavy Sniper Rifle.
4. **Maritime Equipment Modifications** (FY 2001 - \$0.909 Million) The Maritime Equipment Modifications line item provides for PC and MK-V SOC maritime modifications and consolidates them into a single line item. Includes upgrade of existing Integrated Bridge System (IBS) to incorporate evolving



**PROCUREMENT PROGRAM EXECUTIVE SUMMARY**

technologies including completion of Electronic Chart Display Information System – Navy (ECDNIS-N) compliance, visual line of bearing integration, radar overlay capability, operator interface improvements and hardware upgrades for faster processing, display and dissemination of IBS data. Provides for installation of main propulsion diesel engine noise reduction.

5. **SOF Combatant Craft Systems** (FY 2001 - \$14.511 Million) This line item serves as an umbrella for Combatant Craft Systems such as the Naval Special Warfare Rigid Inflatable Boat and the Riverine Replacement Craft. Funds procure NSW RIBs with deployment packages, as well as contractor logistics, miscellaneous equipment, and prime movers. Funds also continue the Special Operations Craft-Riverine contract for full rate production of boats and trailers, prime movers, deployment packages, outfitting, identification of friend or foe devices, and support equipment.

6. **Spares and Repair Parts** (FY 2001 - \$11.780 Million) The Spares and Repair Parts line item consolidates the spares and repair parts funding. The aircraft initial spares program finances both initial weapon system and aircraft modification spares for SOF fixed wing aircraft. Per Defense Management Review Decision 904 and in accordance with Air Force policy, these funds reimburse the Air Force Stock Fund for SOF initial spares provisioned with Air Force Stock Fund obligation authority.

7. **SOF Maritime Equipment** (FY 2001 - \$5.801 Million) This line item provides necessary equipment to enable the Naval Special Warfare (NSW) Command to meet specific requirements for the execution of Special Operations and fleet support mission as the Naval Component of USSOCOM. Numerous items of equipment, such as small craft, open and closed circuit scuba equipment, and mine countermeasure equipment, are required for the NSW component to execute their unique, special operations missions. Funds provide for replacement of aging/deteriorating Dry Deck Shelters (DDS), procure the Semi-Autonomous Hydrographic Reconnaissance Vehicle and the Hydrographic Reconnaissance Littoral Mapping Device, and procure the Swimmer Transport Devices (STDs).

8. **Miscellaneous Equipment** (FY 2001 - \$14.376 Millions) Miscellaneous Equipment provides for various types of equipment required to support SOF. The line consists of relatively low cost procurement items that do not reasonably fit in other USSOCOM procurement line item categories. Examples are joint operational stocks, civil engineering support equipment, NSW sustainment equipment, and NSW peculiar weapons.

## **PROCUREMENT PROGRAM EXECUTIVE SUMMARY**

9. **SOF Planning and Rehearsal System (SOFPARS)** (FY 2001 - \$2.021 Million) SOFPARS is an integrated family of mission planning systems, supported by intelligence databases and imagery that will be used by planners within the SOF command structure worldwide to plan and preview SOF missions. Funds procure laptop mission planning systems and deployable planning cells, as well as continues life cycle replacement.
10. **Classified Programs** (FY 2001 - \$105.547 Million) This line includes all classified programs directed by the Secretary of Defense and/or the Joint Staff. Specific use of SOF funds is provided under separate cover.
11. **Psychological Operations (PSYOPs) Equipment** (FY 2001 - \$7.575 Million) This line item provides for the acquisition of PSYOP equipment. The purpose of PSYOP is to induce or reinforce foreign or hostile attitudes and behavior favorable to U.S. national objectives. Funding continues Evolutionary Technology Insertions (ETIs) into the Mobile Radio Broadcast System and Mobile Television Broadcast System, acquires PSYOP Distribution System (PDS) Receive/Only (R/O) terminals, PDS Receive/Transmit (R/T) terminals, Medium Power FM/Shortwave (SW) System, Flyaway TV Broadcast System, Flyaway FM Broadcast System, and Audio R/O Electronic News Gathering (ENG) Systems.

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## PROCUREMENT PROGRAM

Appropriation: Procurement, Defense - Wide

Date: FEBRUARY 2001

Millions of Dollars

<u>Line No.</u>	<u>Item Nomenclature</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>
<u>AVIATION PROGRAMS</u>				
32	ROTARY WING UPGRADES AND SUSTAINMENT	44.777	81.560	68.480
33	SOF TRAINING SYSTEMS	12.383	2.101	2.364
34	MC-130H, COMBAT TALON II	10.753	16.763	10.403
35	CV-22 SOF MOD	3.983	3.572	8.533
36	AC-130U GUNSHIP ACQUISITION	23.031	26.602	13.871
37	C-130 MODIFICATIONS	67.191	103.104	26.237
38	AIRCRAFT SUPPORT	.477	1.716	2.186
<u>SHIPBUILDING</u>				
39	ADVANCED SEAL DELIVERY SYSTEM (ASDS)	9.247	7.379	25.500
40	ASDS ADVANCE PROCUREMENT	.001	7.977	22.472
41	MK8 MOD1 SEAL DELIVERY VEHICLE	.580		
42	SUBMARINE CONVERSION	5.900	3.261	1.559
<u>AMMUNITION PROGRAMS</u>				
43	SOF ORDNANCE REPLENISHMENT	25.342	37.601	36.632
44	SOF ORDNANCE ACQUISITION	22.389	15.876	25.978
<u>OTHER PROCUREMENT PROGRAMS</u>				
45	COMMUNICATIONS EQUIPMENT AND ELECTRONICS	70.401	84.028	74.444
46	SOF INTELLIGENCE SYSTEMS	23.000	19.982	32.309
47	SMALL ARMS AND WEAPONS	10.120	25.120	11.829
48	MARITIME EQUIPMENT MODIFICATIONS	16.871	2.167	.909

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Exhibit P-1 Procurement  
Program

## UNCLASSIFIED

## PROCUREMENT PROGRAM

Appropriation: Procurement, Defense - Wide

Date: FEBRUARY 2000

Millions of Dollars

<u>Line No.</u>	<u>Item Nomenclature</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>
<u>OTHER PROCUREMENT PROGRAMS</u> (cont'd)				
49	NAVAL SPECIAL WARFARE RIGID INFLATABLE BOAT	14.869		
50	SOF COMBATANT CRAFT SYSTEMS		18.635	14.511
51	SPARES AND REPAIR PARTS	32.870	27.751	11.780
52	SOF MARITIME EQUIPMENT	.587	4.913	5.801
53	DRUG INTERDICTION	14.362		
54	MISCELLANEOUS EQUIPMENT	10.565	10.000	14.376
55	SOF PLANNING AND REHEARSAL SYSTEM	.610	2.414	2.021
56	CLASSIFIED PROGRAMS	78.403	214.948	105.547
57	PSYOP EQUIPMENT	12.316	11.631	7.575
<b>TOTAL PROCUREMENT</b>		<b>511.028</b>	<b>729.101</b>	<b>525.317</b>

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Exhibit P-1 Procurement  
Program

## PROCUREMENT PROGRAM - COMPARISON REPORT

Appropriation: Procurement, Defense - Wide

Budget Activity: 2

Date: FEBRUARY 2000

Millions of Dollars

Line No.	Item Nomenclature	Submit	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
<u>AVIATION PROGRAMS</u>									
32	ROTARY WING UPGRADES AND SUSTAINMENT	00PB	46.521	41.233	53.523	29.312	31.086	52.426	70.482
		01PB	44.777	81.560	68.480	31.686	35.140	48.854	69.557
33	SOF TRAINING SYSTEMS	00PB	6.053	2.107	2.379	.113	.097	2.467	27.775
		01PB	12.383	2.101	2.364	.112	.096	2.444	27.489
34	MC-130H, COMBAT TALON II	00PB	18.519	16.895	10.470	7.492	5.862	5.110	7.039
		01PB	10.753	16.763	10.403	7.438	5.813	5.061	6.967
35	CV-22 SOF MOD	00PB	3.983	3.582	8.588	100.542	123.683	142.327	167.906
		01PB	3.983	3.572	8.533	103.782	127.015	145.553	160.931
36	AC-130U GUNSHIP ACQUISITION	00PB	28.600	26.796	21.361	12.152	8.824	6.833	5.818
		01PB	23.031	26.602	13.871	12.063	8.750	6.770	5.758
37	C-130 MODIFICATIONS	00PB	66.987	100.893	34.407	44.544	73.423	60.476	30.493
		01PB	67.191	103.104	26.237	40.005	88.463	60.709	30.999
38	AIRCRAFT SUPPORT	00PB	.857	1.729	2.200	1.662	8.691	27.941	60.628
		01PB	.477	1.716	2.186	1.650	8.123	26.689	56.044
<u>SHIPBUILDING</u>									
39	ADVANCED SEAL DELIVERY SYSTEM (ASDS)	00PB	7.960	21.213	24.265	62.153	13.303	44.279	11.380
		01PB	9.247	7.379	25.500	74.672	10.927	78.859	7.012
40	ASDS ADVANCE PROCUREMENT	00PB	.288	17.286	22.439		19.449		19.411
		01PB	.001	7.977	22.472		31.303		
41	MK8 MOD1 SEAL DELIVERY VEHICLE	00PB	.580			1.100	1.690	1.733	1.776
		01PB	.580			1.047	1.676	1.717	1.758

## PROCUREMENT PROGRAM - COMPARISON REPORT

Appropriation: Procurement, Defense - Wide

Budget Activity: 2

Date: FEBRUARY 2000

Millions of Dollars

Line No.	Item Nomenclature	Submit	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
<u>SHIPBUILDING</u> (cont'd)									
42	SUBMARINE CONVERSION	00PB	5.900	3.284	1.569			5.591	11.519
		01PB	5.900	3.261	1.559				8.431
<u>AMMUNITION PROGRAMS</u>									
43	SOF ORDNANCE REPLENISHMENT	00PB	26.342	37.876	36.869	32.732	33.392	35.113	35.966
		01PB	25.342	37.601	36.632	32.493	33.114	34.787	35.595
44	SOF ORDNANCE ACQUISITION	00PB	17.915	15.992	33.159	8.584	8.098	8.597	8.975
		01PB	22.389	15.876	25.978	8.521	8.030	7.307	8.417
<u>OTHER PROCUREMENT PROGRAMS</u>									
45	COMMUNICATIONS EQUIPMENT AND ELECTRONICS	00PB	67.737	86.758	88.945	72.936	39.729	53.648	44.692
		01PB	70.401	84.028	74.444	56.092	25.541	32.358	33.842
46	SOF INTELLIGENCE SYSTEMS	00PB	9.195	19.154	40.692	14.172	13.003	14.422	17.165
		01PB	23.000	19.982	32.309	7.678	8.757	11.430	15.961
47	SMALL ARMS AND WEAPONS	00PB	10.220	23.355	8.798	5.414	7.460	14.893	8.753
		01PB	10.120	25.120	11.829	5.146	7.170	6.939	15.612
48	MARITIME EQUIPMENT MODIFICATIONS	00PB	21.674	2.183	.915	.361	.453	.420	.512
		01PB	16.871	2.167	.909	.359	.450	.417	.507
49	NAVAL SPECIAL WARFARE RIGID INFLATABLE BOAT	00PB	15.369						
		01PB	14.869						
50	SOF COMBATANT CRAFT SYSTEMS	00PB		18.771	8.905	9.939	14.843	23.636	17.237
		01PB		18.635	14.511	11.896	12.329	16.241	17.625

## UNCLASSIFIED

## PROCUREMENT PROGRAM - COMPARISON REPORT

Appropriation: Procurement, Defense - Wide

Budget Activity: 2

Date: FEBRUARY 2000

Millions of Dollars

Line No.	Item Nomenclature	Submit	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
<u>OTHER PROCUREMENT PROGRAMS</u> (cont'd)									
51	SPARES AND REPAIR PARTS	00PB	32.566	27.836	8.606	14.460	14.343	3.867	3.061
		01PB	32.870	27.751	11.780	7.944	8.114	3.963	5.209
52	SOF MARITIME EQUIPMENT	00PB	2.026	4.949	6.339	1.829	.556	.571	.488
		01PB	.587	4.913	5.801	1.816	.551	.566	.483
53	DRUG INTERDICTION	00PB							
		01PB	14.362						
54	MISCELLANEOUS EQUIPMENT	00PB	9.565	10.073	12.317	5.602	5.656	5.784	6.163
		01PB	10.565	10.000	14.376	5.562	5.608	5.730	6.099
55	SOF PLANNING AND REHEARSAL SYSTEM	00PB	1.001	2.432	2.534	1.949	.931	.950	.971
		01PB	.610	2.414	2.021	1.438	.923	.941	.565
56	CLASSIFIED PROGRAMS	00PB	82.062	110.147	102.704	103.763	137.884	144.466	117.534
		01PB	78.403	214.948	105.547	99.696	124.078	134.420	103.268
57	PSYOP EQUIPMENT	00PB	14.696	11.716	8.050	7.745	5.078	13.762	10.879
		01PB	12.316	11.631	7.575	7.882	6.504	13.044	13.767
	LIGHT STRIKE VEHICLE	00PB					.628	1.160	2.582
		01PB					.623	1.150	2.555
<b>TOTAL PROCUREMENT</b>		<b>00PB</b>	<b>496.616</b>	<b>606.260</b>	<b>540.034</b>	<b>538.556</b>	<b>568.162</b>	<b>670.472</b>	<b>689.205</b>
		<b>01PB</b>	<b>511.028</b>	<b>729.101</b>	<b>525.317</b>	<b>518.978</b>	<b>559.098</b>	<b>645.949</b>	<b>634.451</b>

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Exhibit P-1C, Procurement Program-Comparison Report

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**MODIFICATION SUMMARY**

(TOA, Dollars in Millions)

System/Modification		PYs	FY99	FY00	FY01	FY02	FY03	FY04	FY05	Total Program
<b>C-130 MODIFICATIONS</b>										
1. Directional Infrared Countermeasures (DIRCM) (AC-130H/U, MC-130E/H)		92.632	7.700	66.486						166.818
2. DIRCM Laser Upgrade							14.465	11.548		26.013
3. DIRCM Multi-Spectral Missile Warning System Upgrade							8.679	10.586	8.645	27.910
4. MC-130H Auxiliary Power Unit Upgrade		6.624		.199	.195					7.018
5. ALQ-172 Low Band Jammer Upgrade/ECP-93 (AC-130U, MC-130H)		.355		7.774						8.129
6. Engineering Change Proposal - 93		16.084	21.901							37.985
7. AC-130H Weight Reduction		1.488	2.664	.878						5.030
8. MC-130H Communications Navigation Upgrade		27.815	6.000							33.815
9. AC-130H Low Light Level TV Replacement		9.152	12.831	11.791	1.076					34.850
10. AC-130U P3I (Comm Upgrade)			6.300		3.700					10.000
11. AC-130U P3I (ALLTV, EW Upgrade, Radar Upgrade)			7.302		3.602		18.322	15.398		44.624



**UNCLASSIFIED**

**MODIFICATION SUMMARY**

(TOA, Dollars in Millions)

System/Modification		PYs	FY99	FY00	FY01	FY02	FY03	FY04	FY05	Total Program
<b>C-130 MODIFICATIONS (Cont'd)</b>										
12. EC-130 Upgrades		14.800		.837						15.637
13. C-130 Engine Infrared Suppression				.047		14.841	14.875			29.763
14. Gas Turbine Compressor				1.651	.757	.644				3.052
15. AC-130H Sustainment				1.414	1.239	1.251	1.274	1.305	1.335	7.818
16. MC-130H Air Refueling Capability						17.807	26.500	20.825	19.951	85.083
17. ALE-47 Chaff and Flare Dispenser (AC-130H/U, MC-130E/H)				6.643	4.366	4.453	3.321			18.783
18. AC-130U P3I (Covert LIA)				2.915	7.786					10.701
19. ALR-69 AND ALQ-172 Antennas (AC-130U)				2.469	2.866					5.335
20. AFMC C130 Minor Mods					.650	1.009	1.027	1.047	1.068	4.801
21. SILENT SHIELD			2.493							2.493
<b>TOTAL FOR C-130 MODIFICATIONS</b>		<b>168.950</b>	<b>67.191</b>	<b>103.104</b>	<b>26.237</b>	<b>40.005</b>	<b>88.463</b>	<b>60.709</b>	<b>30.999</b>	<b>585.658</b>

**UNCLASSIFIED**

**MODIFICATION SUMMARY**

(TOA, Dollars in Millions)

System/Modification		PYs	FY99	FY00	FY01	FY02	FY03	FY04	FY05	Total Program
<b>MARITIME EQUIPMENT MODIFICATIONS</b>										
1. PC Command and Control Software Upgrades				.228	.253	.216	.333	.308	.375	1.713
2. PC Future Communications Modifications				.581	.244	.143	.117	.109	.132	1.326
3. PC Main Propulsion Diesel Engine Noise Treatment				1.358	.412					1.770
4. PC Command and Control Software Upgrades		2.312	.504							2.816
5. PC Stern Flap Modification		.025								.025
6. PC Active Noise Cancellation		.926								.926
7. PC Propeller Upgrade		1.308								1.308
8. PC Communications Alterations		2.827	.183							3.010
9. PC Forward Looking Infrared Upgrade			3.100							3.100
10. MK V Special Operations Craft (SOC) Weapons		7.026	1.207							8.233
11. MK V SOC Forward Looking Infrared		3.768	11.877							15.645

**UNCLASSIFIED**

MODIFICATION SUMMARY

(TOA, Dollars in Millions)

System/Modification		PYs	FY99	FY00	FY01	FY02	FY03	FY04	FY05	Total Program
<b>MARITIME EQUIPMENT MODIFICATIONS (Cont'd)</b>										
<b>TOTAL FOR MARITIME EQUIPMENT MODIFICATIONS</b>		<b>18.192</b>	<b>16.871</b>	<b>2.167</b>	<b>.909</b>	<b>.359</b>	<b>.450</b>	<b>.417</b>	<b>.507</b>	<b>39.872</b>
<b>ROTARY WING UPGRADES AND SUSTAINMENT</b>										
1. Aircraft Survivability Equipment Countermeasures		1.479	.394							1.873
2. NBC Cockpit Protection							.782	2.310	.297	3.389
3. Onboard Inert Gas Generation System				5.245						5.245
4. MH-53J IDAS/MATT		17.861	13.396	.890						32.147
6. MH-47 Rescue Hoist (MH-47D)			1.184							1.184
8. Mission Enhanced Little Bird (A/MH-6)		2.113	3.103	1.156	2.932					9.304
9. A/MH-6 Component Miniaturization		.790	.656		3.723	2.290	3.768			11.227
10. Integrated Infrared Countermeasures				2.648	3.106	1.922	1.188	.432		9.296
11. Infrared Exhaust Suppression (MH-47D/E)				4.331	3.426	.528				8.285

**UNCLASSIFIED**

**MODIFICATION SUMMARY**

(TOA, Dollars in Millions)

System/Modification		PYs	FY99	FY00	FY01	FY02	FY03	FY04	FY05	Total Program
<b>ROTARY WING UPGRADES AND SUSTAINMENT (Cont'd)</b>										
12. A/MH-6 Militarization			3.014							3.014
13. Ballistic Protection System					1.065	1.030				2.095
14. Infrared Exhaust Suppression (MH-60)									5.904	5.904
15. Army Rotary Wing Engineering Changes				1.471	1.579	1.618	1.646	1.681	1.722	9.717
16. Mission Processor Upgrade						3.211	6.367	9.457	4.219	23.254
17. Modular Avionics			5.949		4.500		1.833	4.609	5.330	22.221
18. Multi-Function Display Processor Upgrade							1.608	3.997	3.433	9.038
19. GPS/INS						.913				.913
20. Second Generation FLIR									5.058	5.058
21. Multi Mode Radar Upgrade				2.561	3.342	3.501	2.094			11.498
22. Radar Altimeter Enhancement								.782	2.461	3.243

**UNCLASSIFIED**

**MODIFICATION SUMMARY**

(TOA, Dollars in Millions)

System/Modification		PYs	FY99	FY00	FY01	FY02	FY03	FY04	FY05	Total Program
<b>ROTARY WING UPGRADES AND SUSTAINMENT (Cont'd)</b>										
23. OH-6 .50 Cal Replacement							1.598	1.464		3.062
24. Forward Looking Infrared Radar A-Kits				.551	.527					1.078
25. External Conformal Tanks				.787	1.376	1.480				3.643
26. MH-47 Cargo Handling System Upgrade				2.581	1.255	1.267	1.294	1.344	1.446	9.187
27. MH-47 Forward Cabin Seats				.877	.877					1.754
28. MH-47 IR Strobe Light					.822					.822
29. MH-47 Rescue Hoist (MH-47D)				.497						.497
30. MH-47 SLEP								1.423	2.250	3.673
31. MH-60 200-Gallon Fuel Tank			.985	1.009	1.008					3.002
32. MH-60 Altitude Hold					1.627	2.655	2.154			6.436
33. MH-60 Aerial Refuel Probes			2.566		.986	1.339	.350			5.241



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BUDGET ITEM JUSTIFICATION SHEET						DATE FEBRUARY 2000		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2			P-1 ITEM NOMENCLATURE ROTARY WING UPGRADES AND SUSTAINMENT					
	Prior Years	FY99	FY00	FY01	FY02	FY03	FY04	FY05
QUANTITY								
COST (In Millions \$)	52.300	44.777	81.560	68.480	31.686	35.140	48.854	69.557

**MISSION AND DESCRIPTION:** A requirement exists to provide aviation support to Special Operations Forces (SOF) in world-wide contingency operations and low-intensity conflicts. The specialized aircraft for these missions must be capable of world-wide rapid deployment, operations, and undetected penetration of hostile areas. These aircraft must be capable of operating at extended ranges under adverse weather conditions to infiltrate, provide logistics for, reinforce, and extract SOF. The threat is capable of sophisticated data linked systems and/or simple autonomous ground-based units with an air-to-air capability specifically targeted against rotary wing aircraft. Third world operations are apt to involve greater distances and more challenging geographical environmental conditions than the European Theater. Program provides for ongoing survivability, reliability, maintainability, and operational upgrades as well as procurement appropriation sustainment costs for fielded rotary wing aircraft and subsystems to include forward basing of MH-47E helicopters. These include the A/MH-6, MH-60G/L/K, MH-53J/M, TH-53A, and MH-47D/E helicopters.

1. MH-47E/MH-60K/A/MH-6. Provides for Aircraft Survivability Equipment (ASE), avionics, and aircraft systems upgrades and modifications to 11 MH-47D, 26 MH-47E (26 authorized, 25 current inventory), 23 MH-60K, 36 MH-60L, 40 MH/AH-6 aircraft and forward basing of MH-47E aircraft to Pacific Command and European Command. Provide for reconstitution of 1 MH-47E destroyed in a March 1996 accident.

**FY 2001 PROGRAM JUSTIFICATION:** Provides for ASE, sensor, active and passive system modifications to MH-47D, MH-47E, MH-60K, and MH-60L aircraft. Provides for SOF unique portions of Army engineering change proposals, and spares for the MH-60/MH-47. Provides for continued procurement of the MH-47E Advanced Cargo Handling System, and MH-47E/D forward cabin seats. Provides funding for an MH-47E detachment in the Pacific Command. Installs infrared (IR) strobe lights and continues installation of IR Suppressor on the MH-47.

## BUDGET ITEM JUSTIFICATION SHEET

DATE FEBRUARY 2000

APPROPRIATION / BUDGET ACTIVITY  
PROCUREMENT, DEFENSE - WIDE / 2

P-1 ITEM NOMENCLATURE  
ROTARY WING UPGRADES AND SUSTAINMENT

Continues installation of 200-gallon fuel tank on MH-60 aircraft. Installs aerial refuel probes and Altitude Hold on MH-60 aircraft.

2. MH-53J. Funds reliability/maintainability and safety of flight sustainment efforts.

FY 2001 PROGRAM JUSTIFICATION: Funds the continuing reliability improvements on the Voltage Regulator Supervisory Panel, end of life components on the APQ-158 radar, and various safety-related reliability and maintainability efforts.

3. A/MH-6. Procures airframe and aircraft systems upgrades. Mission Enhancement Little Bird (MELB) program provides structural and drive system upgrades. Miniaturization provides non-developmental item and commercially available technology to upgrade or replace existing aircraft systems.

FY 2001 PROGRAM JUSTIFICATION: Continues to fund airframe and system upgrades. Finishes MELB modifications. Continues to install Conformal Tanks and Forward Looking Infrared Radar A-kits. Funds installation of a weapons management system.



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## BUDGET ITEM JUSTIFICATION SHEET

DATE FEBRUARY 2000

APPROPRIATION / BUDGET ACTIVITY  
PROCUREMENT, DEFENSE - WIDE / 2P-1 ITEM NOMENCLATURE  
ROTARY WING UPGRADES AND SUSTAINMENT

## MODIFICATION SUMMARY

<u>DESCRIPTION</u>	<u>Prior Years</u>	<u>FY99</u>	<u>FY00</u>	<u>FY01</u>	<u>FY02</u>	<u>FY03</u>	<u>FY04</u>	<u>FY05</u>
1. Aircraft Survivability Equipment Countermeasures	1.479	.394						
2. NBC Cockpit Protection						.782	2.310	.297
3. Onboard Inert Gas Generation System			5.245					
4. MH-53J IDAS/MATT	17.861	13.396	.890					
6. MH-47 Rescue Hoist (MH-47D)		1.184						
8. Mission Enhanced Little Bird (A/MH-6)	2.113	3.103	1.156	2.932				
9. A/MH-6 Component Miniaturization	.790	.656		3.723	2.290	3.768		
10. Integrated Infrared Countermeasures			2.648	3.106	1.922	1.188	.432	
11. Infrared Exhaust Suppression (MH-47D/E)			4.331	3.426	.528			
12. A/MH-6 Militarization		3.014						
13. Ballistic Protection System				1.065	1.030			
14. Infrared Exhaust Suppression (MH-60)								5.904
15. Army Rotary Wing Engineering Changes			1.471	1.579	1.618	1.646	1.681	1.722
16. Mission Processor Upgrade					3.211	6.367	9.457	4.219
17. Modular Avionics		5.949		4.500		1.833	4.609	5.330
18. Multi-Function Display Processor Upgrade						1.608	3.997	3.433
19. GPS/INS					.913			

## UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET						DATE FEBRUARY 2000		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2				P-1 ITEM NOMENCLATURE ROTARY WING UPGRADES AND SUSTAINMENT				
DESCRIPTION	Prior Years	FY99	FY00	FY01	FY02	FY03	FY04	FY05
20. Second Generation FLIR								5.058
21. Multi Mode Radar Upgrade			2.561	3.342	3.501	2.094		
22. Radar Altimeter Enhancement							.782	2.461
23. OH-6 .50 Cal Replacement						1.598	1.464	
24. Forward Looking Infrared Radar A-Kits			.551	.527				
25. External Conformal Tanks			.787	1.376	1.480			
26. MH-47 Cargo Handling System Upgrade			2.581	1.255	1.267	1.294	1.344	1.446
27. MH-47 Forward Cabin Seats			.877	.877				
28. MH-47 IR Strobe Light				.822				
29. MH-47 Rescue Hoist (MH-47D)			.497					
30. MH-47 SLEP							1.423	2.250
31. MH-60 200-Gallon Fuel Tank		.985	1.009	1.008				
32. MH-60 Altitude Hold				1.627	2.655	2.154		
33. MH-60 Aerial Refuel Probes		2.566		.986	1.339	.350		
34. MH-60 SLEP							.550	1.687
35. MH-47E Reconstitution			40.811					
<b>SUBTOTAL FOR MODS</b>	<b>22.243</b>	<b>31.247</b>	<b>65.415</b>	<b>32.151</b>	<b>21.754</b>	<b>24.682</b>	<b>28.049</b>	<b>33.807</b>



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BUDGET ITEM JUSTIFICATION SHEET						DATE FEBRUARY 2000		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2			P-1 ITEM NOMENCLATURE SOF TRAINING SYSTEMS					
	Prior Years	FY99	FY00	FY01	FY02	FY03	FY04	FY05
QUANTITY								
COST (In Millions \$)	33.748	12.383	2.101	2.364	.112	.096	2.444	27.489
<p><b>MISSION AND DESCRIPTION:</b> The Special Operations Forces (SOF) Training Systems line item funds SOF Army and Air Force ground-based trainers to support initial, refresher, and continuation training and mission rehearsal. Also funds data base generating equipment required for building and maintaining real-world training and mission rehearsal scenarios.</p> <p><b>FY 2001 PROGRAM JUSTIFICATION:</b> Integrates and supports MH-47E/MH-60K aircraft concurrency with upgrades including avionics 15.0, aircraft survivability equipment, and integrated aircraft systems.</p>								



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BUDGET ITEM JUSTIFICATION SHEET						DATE FEBRUARY 2000		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2			P-1 ITEM NOMENCLATURE MC-130H, COMBAT TALON II					
	Prior Years	FY99	FY00	FY01	FY02	FY03	FY04	FY05
QUANTITY								
COST (In Millions \$)	1,660.344	10.753	16.763	10.403	7.438	5.813	5.061	6.967
<p><b>MISSION AND DESCRIPTION:</b> The Combat Talon II line item funds the production and sustainment of a specialized avionics suite that has been integrated into a C-130H airframe. Its mission is to conduct night, adverse weather, low-level, long-range operations in hostile, politically denied/sensitive, defended areas to infiltrate, resupply, or exfiltrate Special Operations Forces and equipment. All 24 MC-130H aircraft have been procured in prior years. Ongoing efforts focus on meeting operational requirements in the System Operational Requirements Document by establishing organic intermediate and depot level maintenance capability on the APQ-170 Radar, Nose Radome, and AP-102A Mission Computer.</p> <p><b>FY 2001 PROGRAM JUSTIFICATION:</b> Continues transition from acquisition to post-production improvement and sustainment. Completes organic radar repair depot. Continues software support, configuration management and control, and technical database currency.</p>								



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BUDGET ITEM JUSTIFICATION SHEET						DATE FEBRUARY 2000		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2			P-1 ITEM NOMENCLATURE CV-22 SOF MOD					
	Prior Years	FY99	FY00	FY01	FY02	FY03	FY04	FY05
QUANTITY				4	6	9	9	9
COST (In Millions \$)		3.983	3.572	8.533	103.782	127.015	145.553	160.931

**MISSION AND DESCRIPTION:** The CV-22 Special Operations Forces (SOF) Mod line item funds the SOF variant of the V-22 vertical lift, multi-mission aircraft. The CV-22 will provide long range, high speed infiltration, exfiltration, and resupply to Special Forces teams in hostile, denied, and politically sensitive areas. The Navy is the lead service for the joint V-22 program and is responsible for managing and funding the development of all V-22 variants, including the CV-22. The Air Force will procure and field 50 CV-22 aircraft and support equipment for USSOCOM, conduct Initial Operational Test and Evaluation, and provide Type I training. USSOCOM funds the procurement of SOF peculiar systems, e.g., terrain following radar, electronic warfare suite, etc. The Air Force will fund 85% of the procurement cost for CV-22 training systems; USSOCOM funds 15%. The Air Force and Navy will utilize joint training facilities at Marine Corps Air Station in New River, NC, to conduct all maintenance training and initial V-22 aircrew qualification training. CV-22 SOF peculiar aircrew mission training will be conducted at the Special Operations Mission Qualification Schoolhouse at Kirtland AFB, NM. Follow-on unit training will be accomplished at each operational location.

**FY 2001 PROGRAM JUSTIFICATION:** Peculiar Training procures a high fidelity Operational Flight Trainer (OFT) for Hurlburt Field. The OFT is a non-motion training device that provides a realistic, visual simulated environment and full fidelity aircraft functionality. Funds will also procure an Interactive Multimedia Instruction (IMI) course and an Expedient Maintenance Trainer (EMT). Initial V-22 flight training will be conducted at a joint schoolhouse at New River, NC for both USMC and USAF pilots. After completing initial training, USAF pilots will go through mission qualification training using Weapon System Trainers (WST), OFTs, and training aircraft at Kirtland AFB, NM. The OFT will be used to train special operations mission requirements that do not require full motion fidelity as in the WST. The OFT requires a two-year lead time for delivery. One OFT and 2 WSTs will be required at Kirtland AFB to support training throughput. Production Engineering provides CV-22 unique software engineering support. Block 10 funds the recurring costs to incorporate group A structural changes in the first CV-22 production lot.





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BUDGET ITEM JUSTIFICATION SHEET						DATE FEBRUARY 2000		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2			P-1 ITEM NOMENCLATURE AC-130U GUNSHIP ACQUISITION					
	Prior Years	FY99	FY00	FY01	FY02	FY03	FY04	FY05
QUANTITY								
COST (In Millions \$)	828.921	23.031	26.602	13.871	12.063	8.750	6.770	5.758
<p><b>MISSION AND DESCRIPTION:</b> The AC-130U Gunship Acquisition line item funds a new production C-130H airframe converted to a side-firing gunship configuration with advanced sensors, weapons and a digital avionics suite that will provide enhanced operational capability and reliability over the current AC-130H. Mission equipment includes a synthetic aperture radar that gives the AC-130U all-weather strike capability, Infrared Detection System and an All Light Level Television. Dual redundant MIL-STD-1553B data buses with two independent fire control channels give the AC-130U dual target attack capability. Further enhancements to the AC-130U are a pressurized cabin for deployment plus inflight reconfiguration-for-firing ability. The primary mission for the AC-130U will be precision fire support for Special Operations Forces, but it has the flexibility to perform armed escort, surveillance, search and rescue, armed reconnaissance, and interdiction.</p> <p><b>FY 2001 PROGRAM JUSTIFICATION:</b> Program funds a reduced level of interim contractor support and piece part spares procurement, completes procurement of depot-level peculiar support equipment, and begins a reliability and maintainability assessment of system line replaceable and shop replaceable units. Program also continues software integration laboratory support, post-production support, and test program set modification efforts.</p>								



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BUDGET ITEM JUSTIFICATION SHEET						DATE FEBRUARY 2000		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2			P-1 ITEM NOMENCLATURE C-130 MODIFICATIONS					
	Prior Years	FY99	FY00	FY01	FY02	FY03	FY04	FY05
QUANTITY								
COST (In Millions \$)	911.639	67.191	103.104	26.237	40.005	88.463	60.709	30.999

**MISSION AND DESCRIPTION:** The C-130 Modifications line item provides for numerous modifications to various models of the C-130 aircraft. Program is comprised of modifications generated from mission performance deficiencies, logistics problems and changes in the mission of the C-130 aircraft.

**FY 2001 PROGRAM JUSTIFICATION:**

- \* Complete interim contractor support (ICS) on the 85-185L(A), auxiliary power unit upgrade on the MC-130H and AC-130U aircraft.
- \* Procure final data and ICS and complete installations for AC-130H Low Light Level TV (LLTV) program. This program will improve reliability, maintainability, supportability and performance of the LLTV system by upgrading/replacing the following subsystems: AXQ-17 Camera, AJQ-24C Stabilized Tracking Set (pedestal), and the AAQ-7 Laser Illuminator.
- \* Complete communications system upgrade for AC-130U to correct existing deficiencies and improve situation awareness.
- \* Complete AC-130U radar upgrade for higher resolution and improved projectile impact prediction.
- \* Begin procurement of production installs for the Gas Turbine Compressor (GTC) program. The GTC is used to provide electrical power when support equipment is not available. Current GTC has limited power and cooling capability and is inadequate for Special Operations Forces

## BUDGET ITEM JUSTIFICATION SHEET

DATE FEBRUARY 2000

APPROPRIATION / BUDGET ACTIVITY  
PROCUREMENT, DEFENSE - WIDE / 2

P-1 ITEM NOMENCLATURE  
C-130 MODIFICATIONS

(SOF) aircraft. This program replaces current GTC with standard C-130H 85-185L (A) Auxiliary Power Unit.

\* Install the first four ALE-47 trial installs and begin production buy. The ALE-47 is a modification to the ALE-40 chaff and flare dispenser. The ALE-47 system will provide a dispense timing and programming capability required to counter current infrared and radio frequency threats and a digital, programmable dispenser system capable of using RR-180 dual chaff and other advanced expendables.

\* Complete covertness upgrade of AC-130U All Light Level TV laser illuminator.

\* Complete retrofit of AC-130U fleet with the ALR-69 radar warning receiver for greater commonality with other SOF platforms.

\* Begin funding of field requested minor modifications required to maintain operational capabilities of SOF C-130 aircraft. Examples of these modifications include, but are not limited to, removable aircraft armor for MC-130E/P aircraft; installation of life support storage racks on MC-130P; installation of web seats for AC-130H gunners; and upgrade of the AC-130H Control Display Unit.

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## BUDGET ITEM JUSTIFICATION SHEET

DATE FEBRUARY 2000

APPROPRIATION / BUDGET ACTIVITY  
PROCUREMENT, DEFENSE - WIDE / 2P-1 ITEM NOMENCLATURE  
C-130 MODIFICATIONS

## MODIFICATION SUMMARY

<u>DESCRIPTION</u>	<u>Prior Years</u>	<u>FY99</u>	<u>FY00</u>	<u>FY01</u>	<u>FY02</u>	<u>FY03</u>	<u>FY04</u>	<u>FY05</u>
1. Directional Infrared Countermeasures (DIRCM) (AC-130H/U, MC-130E/H)	92.632	7.700	66.486					
2. DIRCM Laser Upgrade						14.465	11.548	
3. DIRCM Multi-Spectral Missile Warning System Upgrade						8.679	10.586	8.645
4. MC-130H Auxilary Power Unit Upgrade	6.624		.199	.195				
5. ALQ-172 Low Band Jammer Upgrade/ECP-93 (AC-130U, MC-130H)	.355		7.774					
6. Engineering Change Proposal - 93	16.084	21.901						
7. AC-130H Weight Reduction	1.488	2.664	.878					
8. MC-130H Communications Navigation Upgrade	27.815	6.000						
9. AC-130H Low Light Level TV Replacement	9.152	12.831	11.791	1.076				
10. AC-130U P3I (Comm Upgrade)		6.300		3.700				
11. AC-130U P3I (ALLTV, EW Upgrade, Radar Upgrade)		7.302		3.602		18.322	15.398	
12. EC-130 Upgrades	14.800		.837					
13. C-130 Engine Infrared Suppression			.047		14.841	14.875		
14. Gas Turbine Compressor			1.651	.757	.644			
15. AC-130H Sustainment			1.414	1.239	1.251	1.274	1.305	1.335
16. MC-130H Air Refueling Capability					17.807	26.500	20.825	19.951
17. ALE-47 Chaff and Flare Dispenser (AC-130H/U, MC-130E/H)			6.643	4.366	4.453	3.321		

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BUDGET ITEM JUSTIFICATION SHEET						DATE FEBRUARY 2000					
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2			P-1 ITEM NOMENCLATURE C-130 MODIFICATIONS								
<u>DESCRIPTION</u>			<u>Prior Years</u>	<u>FY99</u>	<u>FY00</u>	<u>FY01</u>	<u>FY02</u>	<u>FY03</u>	<u>FY04</u>	<u>FY05</u>	
18.	AC-130U P3I (Covert LIA)				2.915	7.786					
19.	ALR-69 AND ALQ-172 Antennas (AC-130U)				2.469	2.866					
20.	AFMC C130 Minor Mods					.650	1.009	1.027	1.047	1.068	
21.	SILENT SHIELD			2.493							
<b>SUBTOTAL FOR MODS</b>				<b>168.950</b>	<b>67.191</b>	<b>103.104</b>	<b>26.237</b>	<b>40.005</b>	<b>88.463</b>	<b>60.709</b>	<b>30.999</b>





UNCLASSIFIED

INDIVIDUAL MODIFICATION

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

MODELS OF SYSTEMS AFFECTED: AC-130U

DESCRIPTION/JUSTIFICATION: This program enhances the covertness of the All Light Level Television LIA. It requires two changes - a change in the laser wavelength 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.

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		FY99		FY00		FY01		FY02		FY03		FY04		FY05		TC		TOTAL		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
RDT&E																					0
PROCUREMENT					2.9		7.8														0 10.7
Installation Kits					2	0.2	11	0.6													13 0.8
Install Kits Nonrecurring																					0 0.0
Equipment					2	1.1	11	2.8													13 3.9
Equipment Nonrecurring																					0 0.0
Mod of Spares							8	2.6													8 2.6
Data						1.0		0.2													0 1.2
Training																					0 0.0
Engineering Change Order						0.1		0.1													0 0.2
																					0 0.0

Installation of Hardware

PY																					0 0.0
FY99																					0 0.0
FY00					2	0.5															2 0.5
FY01							11	1.5													11 1.5
FY02																					0 0.0
FY03																					0 0.0
FY04																					
FY05																					
To Complete																					0 0.0

Total Installation Cost	0	0.0	0	0.0	2	0.5	11	1.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	13	2.0
Total Procurement		0.0		0.0		2.9		7.8		0.0		0.0		0.0		0.0		0.0		0.0		10.7

METHOD OF IMPLEMENTATION: CONTRACTOR

ADMINISTRATIVE LEADTIME: 2 MONTHS

PRODUCTION LEADTIME: 3 MONTHS

CONTRACT DATE: Current Year : 02/00

Budget Year 1: 10/00

Budget Year 2: N/A

DELIVERY DATE: Current Year : 05/00

Budget Year 1: 01/01

Budget Year 2: N/A

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Exhibit P-3a, Individual Modification (Cont)

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

INSTALLATION SCHEDULE

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

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

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BUDGET ITEM JUSTIFICATION SHEET						DATE FEBRUARY 2000		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2			P-1 ITEM NOMENCLATURE AIRCRAFT SUPPORT					
	Prior Years	FY99	FY00	FY01	FY02	FY03	FY04	FY05
QUANTITY								
COST (In Millions \$)	236.545	.477	1.716	2.186	1.650	8.123	26.689	56.044

**MISSION AND DESCRIPTION:** The Aircraft Support line item provides for various types of equipment required to support Special Operations Forces (SOF) aircraft. A more detailed description and justification of the requirements follows:

1. **ACQUISITION PROGRAMS.** C-17 Special Operations Low Level (SOLL) II. This program modifies the C-17 for the SOLL II mission. The C-141s currently performing the SOLL II mission are reaching their service life and are planned for retirement by FY 2002. This program incorporates communications and cargo handling modifications to allow the C-17 to support the full range of SOLL II missions upon retirement of the C-141s.

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

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 Federal Aviation Administration (FAA) service bulletins, airworthiness directives, safety supplemental inspection directives, and time compliance technical orders.

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



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BUDGET ITEM JUSTIFICATION SHEET						DATE FEBRUARY 2000		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2			P-1 ITEM NOMENCLATURE ADVANCED SEAL DELIVERY SYSTEM (ASDS)					
	Prior Years	FY99	FY00	FY01	FY02	FY03	FY04	FY05
QUANTITY					1		1	
COST (In Millions \$)	2.321	9.247	7.379	25.500	74.672	10.927	78.859	7.012

**MISSION AND DESCRIPTION:** The Advanced Sea, Air, Land (SEAL) Delivery System (ASDS) line item funds a manned combatant mini-submarine used for the clandestine delivery of Special Operations Forces personnel and weapons. The ASDS will provide the requisite range, endurance, payload, and other capabilities for operations in a wide-range of threat scenarios. Procurement includes funds for conversion of submarine hosts for ASDS.

**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.



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BUDGET ITEM JUSTIFICATION SHEET						DATE FEBRUARY 2000		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2			P-1 ITEM NOMENCLATURE ASDS ADVANCE PROCUREMENT					
	Prior Years	FY99	FY00	FY01	FY02	FY03	FY04	FY05
QUANTITY								
COST (In Millions \$)	4.752	.001	7.977	22.472		31.303		

MISSION AND DESCRIPTION: The Advanced Sea, Air, Land (SEAL) Delivery System (ASDS) Advance Procurement line item procures long lead items for the ASDS. The ASDS is a manned combatant mini-submarine used for the clandestine delivery of Special Operations Forces personnel and weapons. The ASDS will provide the requisite range, endurance, payload, and other capabilities for operations in a wide-range of threat scenarios.

FY 2001 PROGRAM JUSTIFICATION: Order long lead-time material for major subcomponents of the ASDS # 2 planned for delivery in FY 2004.

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WEAPON SYSTEM ADVANCE PROCUREMENT EXHIBIT (P-10) (PROCUREMENT OF ADVANCE DESIGN AND MATERIAL) (TOA, Dollars in Thousands)					BUDGET YEAR 1 FOR FISCAL YEAR PROGRAM 2001	
					DATE: FEBRUARY 2000	
Weapon System Type (Model/Series No.)		FIRST SYSTEM AWARD DATE		FIRST SYSTEM COMPLETION DATE		Interval Between System Completions (Months)
ADVANCED SEA, AIR LAND (SEAL) DELIVERY SYSTEM						
Advance Procurement/Advance Funding Items	Quantity	Date Contract Award Planned/Required	Delivery Date of First Equipment Required	Production Lead Time in Months (Admin/Prod) - Total	Unit Cost	Total Cost
(1)	(2)	(3)	(4)	(5)	(6)	(7)
FORGINGS & PLATE	1 Ship Set	11/00	03/01	4 Months		
HATCHES	1 Ship Set	05/01	11/01	6 Months		
BATTERY	(1)	01/01	12/01	11 Months		
VALVES & CONNECTORS	1 Ship Set	04/01	11/01	7 Months		
FLASKS	1 Ship Set	05/01	03/02	10 Months		
MAST & ANTENNAS	(2)	05/01	01/02	8 Months		
PUMPS & MOTORS	1 Ship Set	05/01	02/02	9 Months		
FAIRINGS	1 Ship Set	03/01	09/01	6 Months		
INTEGRATED COMMUNICATION & DISPLAY	(1)	11/00	09/01	10 Months		
NARRATIVE DESCRIPTION						
Funding is required to procure long-lead time materiel in support of the Advanced SEAL Delivery System (ASDS). This materiel is required in order to meet FY 2004 delivery schedule established in support of ASDS #2.						



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BUDGET ITEM JUSTIFICATION SHEET						DATE FEBRUARY 2000		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2			P-1 ITEM NOMENCLATURE SUBMARINE CONVERSION					
	Prior Years	FY99	FY00	FY01	FY02	FY03	FY04	FY05
QUANTITY								
COST (In Millions \$)	33.688	5.900	3.261	1.559				8.431
<p>MISSION AND DESCRIPTION: The Submarine Conversion line item will provide Submarine Ship Nuclear (SSN) 688 class submarines as Dry Deck Shelter (DDS) host submarines to replace the decommissioning SSN 637/640 class submarines. All current DDS host submarines (SSN 637/640 class) are scheduled for inactivation. These modifications will ensure the continued capability for clandestine, underwater Sea, Air, Land (SEAL) and SEAL Delivery Vehicle infiltration/exfiltration operations. The program modifies a total of five SSN 688 class submarines (first SSN 688 conversion funded in FY 1996). The Seawolf class submarine (SSN 23) will be the sixth single DDS host submarine (funded by the Navy's Seawolf program).</p> <p>FY 2001 PROGRAM JUSTIFICATION: Completes fitup of one SSN-688 Class Submarine and updates logistics support.</p>								



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BUDGET ITEM JUSTIFICATION SHEET						DATE FEBRUARY 2000		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2			P-1 ITEM NOMENCLATURE SOF ORDNANCE REPLENISHMENT					
	Prior Years	FY99	FY00	FY01	FY02	FY03	FY04	FY05
QUANTITY								
COST (In Millions \$)	133.406	25.342	37.601	36.632	32.493	33.114	34.787	35.595

**MISSION AND DESCRIPTION:** The Ordnance Replenishment line item provides ammunition for Special Operations Forces (SOF) components for required training and war reserve stock. The required funding will allow SOF components to accomplish the required annual training and maintain the required combat reserve quantities.

Weapon System Cost Element Change. Starting in FY 2000, the weapon system cost elements formerly called "Small Arms/Landing Party Ammunition, Other Ship Gun Munitions, MK V Special Operations Craft Ammunition and Navy Pyrotechnics and Demolition Material (Pyro/Demo)" have been combined into a single cost element titled "NSW Munitions," which is sub-divided into the following categories: 25MM cartridges (all types), 40MM cartridges (all types), Lightweight Anti-Tank Weapon (LAW) Rocket (tactical/sub-caliber trainer and cartridges), STINGER missile training support equipment, shotgun cartridges (all types), handgun cartridges (all types), rifle/machine gun cartridges (all types), grenades (offensive and smoke), signals, training devices, explosives, firing devices and accessories, detonating cord and time fuze, blasting caps and initiators, and underwater mines and components.

1. Small Arms/Landing Party Ammunition. Provides SOF small arms replenishment ammunition (12 gauge up to .50 caliber) and grenades (offensive and smoke) for naval SOF resupply of peacetime expenditures, specified combat reserve requirements and production support. Naval SOF is comprised of the following subordinate elements: Special Warfare Groups, Special Warfare Units, Sea Air Land (SEAL) Teams, SEAL Delivery Vehicle Teams, Special Boat Squadrons, Special Boat Units and Naval Special Warfare Patrol Coastal Ships.
2. Other Ship Gun Munitions. Provides medium caliber (25MM and above) ammunition and rockets for naval SOF resupply of peacetime expenditures, specified combat reserve requirements and provide production support.

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BUDGET ITEM JUSTIFICATION SHEET		DATE
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2	P-1 ITEM NOMENCLATURE SOF ORDNANCE REPLENISHMENT	
<p>3. MK V Special Operations Craft (SOC) Ammunition. Provides ammunition in support of the weapons Pre-Planned Product Improvement (P3I) for the MK V SOC. The P3I weapons suite includes 25MM, 7.62MM, GAU-17, and twin .50 caliber machine guns. In addition, the MK V SOC will employ STINGER missiles in a manpack configuration utilizing beltpack Identification of Friend or Foe (IFF) system and AN-PAS-18 Night Sight during night operations.</p> <p>4. Navy Pyro/Demo. Provides a variety of pyrotechnic items consisting of illumination, signaling, identification, and location devices using flare or smoke as the primary signaling agent, as well as demolition material consisting of explosive devices, initiators, and accessories to support naval SOF.</p> <p>5. NSW Munitions. Provides replenishment munitions for naval SOF resupply of peacetime expenditures, specified combat reserve requirements and production support. This single cost element was formerly called Small Arms and Landing Party Ammunition, Other Ship Gun Munitions, MK V Special Operations Craft Ammunition, and Navy Pyrotechnics and Demolition Material.</p> <p>FY 2001 PROGRAM JUSTIFICATION: Funding procures the following munitions: 25MM Cartridges (all types), 40MM Cartridges (all types), LAW System (includes 21MM LAW sub-caliber trainer and cartridges), STINGER Missile Training Support Equipment, Shotgun Cartridges (all types), Handgun Cartridges (all types of 9MM, .45 Caliber, .357 Magnum), Rifle/Machine Gun Cartridges (all types of 5.56MM, 7.62MM and .50 Caliber), Grenades (offensive and smoke), and a variety of pyrotechnic signaling devices and demolition material consisting of signals, training devices, explosives, firing devices and accessories, detonating cord and time fuze, blasting caps and initiators, and underwater mines and components. Actual quantities vary depending on training requirements.</p> <p>6. Air Force Special Operations Command Training Munitions. Provides training ammunition required to maintain AC-130 Gunship crew mission related readiness skills. Quantities vary depending upon training requirements.</p> <p>FY 2001 PROGRAM JUSTIFICATION: Continue to procure replenishment ammunition for training.</p>		

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COST ANALYSIS EXHIBIT (P-5) - Ammunition		A. Appropriation/Budget Activity Title/No. Procurement, Defense-Wide/Proc. Just./2		B. Line Item Nomenclature SOF ORDNANCE REPLENISHMENT			C. DATE: FEBRUARY 2000		
Work Breakdown Structure		FY 1999		FY 2000		FY 2001			
Cost Elements (\$thousands)		Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost		
1. SMALL ARMS/LANDING PARTY AMMO									
A. 5.56mm Cartridges (All types)			2,415						
B. 7.62mm Cartridges (All types)			2,978						
C. 9mm Cartridges (All types)			1,755						
D. .45 Cal Cartridges (All types)			680						
E. .50 Cal Cartridges (All types)			1,109						
F. Grenades (All types)			0						
PRODUCTION ENGINEERING			477						
PRODUCTION ENGINEERING (SMCA) 1_/			269						
PRODUCT IMPROVEMENT			0						
NON STANDARD ITEMS			0						
Subtotal			9,683						
2. OTHER SHIPGUN MUNITIONS HARDWARE									
A. 25mm Cartridges (All types)			1,469						
B. 40mm Cartridges (All types)			4,759						
C. Stringer Training Support Equipment			87						
D. LAW Rockets			135						
PRODUCTION SUPPORT			0						
PRODUCTION ENGINEERING			660						
PRODUCTION ENGINEERING SMCA			200						
PRODUCT IMPROVEMENT			0						
Subtotal			7,310						
3. MK V SPECIAL OPERATIONS CRAFT MUNITIONS									
A. 25mm/30mm Cartridges (All types)			2,542						
PRODUCTION ENGINEERING			152						
Subtotal			2,694						
4. NAVY PYRO/DEMO									
A. Signals			566						
B. Training Devices			0						
C. Explosive Charges			0						
D. Blast Caps and Initiators			1,496						
E. Anti Ship Mines & Components			0						
F. Other Pyro/Demo			395						
PRODUCTION ENGINEERING			1,365						
PRODUCTION ENGINEERING (SMCA)			0						
PRODUCT IMPROVEMENT			511						
RENOVATION COMPONENTS			0						

1\_/ Prod Eng (SMCA) beginning in FY99

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COST ANALYSIS EXHIBIT (P-5) - Ammunition		A. Appropriation/Budget Activity Title/No. Procurement, Defense-Wide/Proc. Just./2		B. Line Item Nomenclature SOF ORDNANCE REPLENISHMENT			C. DATE: FEBRUARY 2000		
Work Breakdown Structure		FY 1999		FY 2000		FY 2001			
Cost Elements (\$thousands)		Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost		
4. NAVY PYRO/DEMO (Cont.)									
GAUGE REQUIREMENTS			0						
NON STANDARD			0						
Subtotal			4,333						
5. NSW MUNITIONS									
A. 40MM Cartridges (All types)					4,240		3,546		
B. LAW Rocket (Tact/Sub-Cal Trainer/Cart)					5,076				
C. Stinger Training Support Equipment					99		98		
D. Shotgun Cartridges (All types)					55		102		
E. Handgun Cartridges (All types)					1,748		2,084		
F. Rifle/Machine Gun Cartridges (All types)					9,766		14,465		
G. Grenades Offensive/Smoke					335		598		
H. Signals					341		111		
I. Training Devices					1,639				
J. Explosives, Firing Devices, and Accessories					533		1,581		
K. Detonating Cord/time Fuze					161				
L. Blasting Caps and Initiators							1,062		
M. Underwater Mines and Components					1,598		1,575		
N. CONV Ammo Working Capital Fund					1,300		200		
PRODUCTION ENGINEERING					1,753		1,750		
PRODUCTION ENGINEERING (SMCA) 1_/					1,589		1,093		
PRODUCT IMPROVEMENT					354		365		
RENOVATION COMPONENTS					20		20		
GAUGE REQUIREMENTS					10		10		
Subtotal					30,617		28,660		
6. AFSOC TRAINING MUNITIONS									
A. 105MM Conversion			700		5,772		6,701		
B. 25MM Straps/Tubes			622		100		100		
C. 7.62MM Dim Tracer					125		128		
D. Fuze Proximity					446		464		
E. .50 Cal Dim Tracer					541		579		
Subtotal			1,322		6,984		7,972		
LINE ITEM TOTAL			25,342		37,601		36,632		

1\_/ Prod Eng (SMCA) beginning in FY99

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BUDGET ITEM JUSTIFICATION SHEET						DATE FEBRUARY 2000		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2			P-1 ITEM NOMENCLATURE SOF ORDNANCE ACQUISITION					
	Prior Years	FY99	FY00	FY01	FY02	FY03	FY04	FY05
QUANTITY								
COST (In Millions \$)	112.276	22.389	15.876	25.978	8.521	8.030	7.307	8.417

**MISSION AND DESCRIPTION:** The SOF Ordnance Acquisition line item includes ordnance items that have acquisition requirements. This program provides a variety of items developed and modified for Special Operations Forces (SOF).

1. Selectable Lightweight Attack Munition (SLAM). SLAM is a 2.2-pound hand emplaced munition of various detonation methods capable of defeating tracked/wheeled vehicles, petroleum, oil and lubricants/ammunition storage sites and parked aircraft at a standoff distance. SLAM replaces heavier and bulkier munitions that are often not suitable to meet SOF mission requirements.

**FY 2001 PROGRAM JUSTIFICATION:** Procures items to meet the inventory objectives for war reserve and training.

2. SOF Demolition Kit. This kit consists of inert hardware sets for explosively formed penetrators, conical shape charges, and linear shaped charges along with tools, equipment, and attaching devices for constructing and emplacing a variety of demolition charges. The kit allows the SOF operator to tailor the demolition charges to the target providing greater lethality and mission flexibility.

**FY 2001 PROGRAM JUSTIFICATION:** This is a continuing effort to procure demolition kit items to meet the inventory objective for war reserve and training.

3. 40mm Refuze. This program provides more effective 40mm rounds of ammunition to successfully engage and defeat personnel and lightly armored targets. Moreover, this 40mm round satisfies an urgent safety requirement to replace the current MK-27 fuze which has been prone to failure over the past 40 years, and when attached to improved, more lethal projectiles, becomes a safety hazard to the gunship and its crew.

**FY 2001 PROGRAM JUSTIFICATION:** This effort continues the refuzing of 40mm rounds with safe fuzes and provides 40mm armor piercing

BUDGET ITEM JUSTIFICATION SHEET		DATE FEBRUARY 2000
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2	P-1 ITEM NOMENCLATURE SOF ORDNANCE ACQUISITION	
<p>rounds with spotting charge for war reserve and training.</p> <p>4. Remote Activated Munitions System (RAMS). RAMS provides a capability to remotely control detonation of demolition charges or the remote operation of other items of equipment such as beacons, laser markers, radios, and weapons.</p> <p>FY 2001 PROGRAM JUSTIFICATION: This procurement continues the effort to acquire systems to meet the inventory objective.</p> <p>5. IMP 105. The 105mm high fragmentation round is designed to optimize fragments for personnel and light materiel targets while minimizing collateral damage and danger close distances.</p> <p>FY 2001 PROGRAM JUSTIFICATION: Procures proximity fuzes to meet the inventory objectives for war reserve and training.</p> <p>6. Multi-Purpose Anti-Armor/Anti-Personnel Weapons System (MAAWS) Ammunition. MAAWS is a multi-purpose, man-portable, line-of sight, reloadable, salt water submersible, jumpable, and recoilless, day/night, anti-armor and anti-personnel weapon system which includes a family of munitions providing obscuration, illumination, personnel denial, armored vehicle denial and penetration, bunker and hardened facility penetration, and soft target destruction capabilities.</p> <p>FY 2001 PROGRAM JUSTIFICATION: This procurement continues efforts to meet the ammunition inventory objectives for war reserve and training.</p> <p>7. Improved Limpet Mine (ILM). The ILM is required for Sea, Air, Land (SEAL) delivery vehicle attacks against ships, submarines, nested patrol craft, submerged harbor facilities and various other maritime targets. The ILM will allow greater explosive weight to be delivered to the target, decreased time on target by improving handling procedures, and will result in an enhanced probability of mission success.</p>		



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BUDGET ITEM JUSTIFICATION SHEET		DATE
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2	P-1 ITEM NOMENCLATURE SOF ORDNANCE ACQUISITION	
<p>FY 2001 PROGRAM JUSTIFICATION: This procurement, which is the direct result of a successful SOF development program, will procure ILMs to meet the inventory objective for war reserve and training.</p> <p>8. MK 59. The MK 59 is an absolute firing device which will provide Sea, Air, Land (SEALs) with an absolute time delay capability. The MK 59 will be the primary firing device used by SEALs.</p>		

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COST ANALYSIS EXHIBIT (P-5) - Ammunition		A. Appropriation/Budget Activity Title/No. Procurement, Defense-Wide/Proc. Just./2				B. Line Item Nomenclature SOF ORDNANCE ACQUISITION		C. DATE: FEBRUARY 2000					
Work Breakdown Structure		FY 1999		FY 2000		FY 2001							
Cost Elements (\$thousands)		Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost						
1. SELECTABLE LT WT ATTACK MUNITION													
A. Hardware				1.000	2,788	1.000	2,909						
Subtotal					2,788		2,909						
2. SOF DEMOLITION KIT													
A. Kits		12.000	1,200	10.000	1,200	10.000	1,859						
B. Small Explosively Formed Penetrators (EFP)		0.500	382	0.500	350	0.400	580						
C. Medium EFPs		0.700	474	0.700	490	0.600	580						
D. Large EFPs				2.110	195	1.000	1,113						
Subtotal			2,056		2,235		4,132						
3. 40MM PGU9 A/B REFUZE													
A. Refuzing Cost					1,956								
B. Spotting Charge Rounds		0.030	346	0.030	1,654	0.025	3,781						
Subtotal			346		3,610		3,781						
4. REMOTE ACTIVATED MUNITIONS SYSTEM													
A. Transmitters/Receiver - Type A Kits		20.000	6,080	20.000	3,580								
B. Receivers - Type B		2.666	1,333	2.449	964	2.415	4,363						
C. Engineering Support			654		361		220						
Subtotal			8,067		4,905		4,583						
5. 105MM HIGH FRAGMENTATION ROUND													
A. Rounds		0.300	1,605										
B. Fuzes				0.398	1,194	0.358	3,684						
C. Initial Product Testing			1,842		1,144								
Subtotal			3,447		2,338		3,684						
6. MULTI-PUPPOSE ANTI-ARMOR/ANTI PERSONNEL WEAPONS SYSTEM ENGINEERING SPT			226				231						
A. TPT552		0.198	892										
B. 502IM		0.987	2,758										
C. Heat 551C IM						1.983	2,926						
D. 441C IM						1.491	1,224						
E. 20MM Training System							760						
Subtotal			3,876				5,141						
7. IMPROVED LIMPET MINE SYSTEM													
A. Hardware						44.547	1,748						
Subtotal							1,748						



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BUDGET PROCUREMENT HISTORY AND PLANNING								A. DATE: FEBRUARY 2000		
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE-WIDE/2				C. P-1 ITEM NOMENCLATURE SOF ORDNANCE ACQUISITION						
LINE ITEM/ FISCAL YEAR	QTY	UNIT COST	LOCATION OF PCO	CONTRACT METHOD TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAIL NOW?	DATE REVIS AVAIL	
1. SELECTABLE LT WT ATTACK MUNITION										
A. Hardware										
FY 00	2,788	1.000	ARDEC	C/FP	TBD	APR 00	SEP 01	YES		
FY 01	2,909	1.000	ARDEC	Option/FP	TBD	NOV 00	JAN 01	YES		
2. SOF DEMOLITION KIT										
A. Kits										
FY 99	100	12.000	ARDEC	Option/FP	Raytheon, Indianapolis, IN	NOV 98	JAN 00	YES		
FY 00	120	10.000	ARDEC	Option/FP	Raytheon, Indianapolis, IN	MAR 00	JAN 01	YES		
FY 01	186	10.000	ARDEC	Option/FP	Raytheon, Indianapolis, IN	NOV 00	JAN 00	YES		
B. Small Explosively Formed Penetrators (EFP)										
FY 99	764	0.500	ARDEC	Option/FP	Raytheon, Indianapolis, IN	NOV 98	SEP 00	YES		
FY 00	700	0.500	ARDEC	Option/FP	Raytheon, Indianapolis, IN	MAR 00	AUG 01	YES		
FY 01	1,450	0.400	ARDEC	Option/FP	Raytheon, Indianapolis, IN	NOV 00	AUG 02	YES		
C. Medium EFPs										
FY 99	677	0.700	ARDEC	Option/FP	Raytheon, Indianapolis, IN	NOV 98	SEP 00	YES		
FY 00	700	0.700	ARDEC	Option/FP	Raytheon, Indianapolis, IN	MAR 00	AUG 01	YES		
FY 01	967	0.600	ARDEC	Option/FP	Raytheon, Indianapolis, IN	NOV 00	AUG 02	YES		
D. REMARKS										

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BUDGET PROCUREMENT HISTORY AND PLANNING							A. DATE: FEBRUARY 2000			
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE-WIDE/2				C. P-1 ITEM NOMENCLATURE SOF ORDNANCE ACQUISITION						
LINE ITEM/ FISCAL YEAR	QTY	UNIT COST	LOCATION OF PCO	CONTRACT METHOD TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAIL NOW?	DATE REVIS AVAIL	
2. SOF DEMOLITION KIT (Cont)										
D. Large Explosively Formed Penetrators										
FY 00	92	2.110	ARDEC	C/FP	TBD	MAR 00	AUG 01	YES		
FY 01	1,113	1.000	ARDEC	Option/FP	TBD	NOV 00	AUG 02	YES		
3. 40MM PGU9 A/B REFUZE										
B. Spotting Charge Rounds										
FY 99	11,533	0.030	ARDEC	MIPR	Macallister AAP	DEC 98	JUN 99	YES		
FY 00	55,133	0.030	ARDEC	MIPR	Macallister AAP	JUN 00	NOV 00	YES		
FY 01	151,240	0.025	ARDEC	MIPR	Macallister AAP	NOV 00	JAN 01	YES		
4. REMOTE ACTIVATED MUNITIONS SYSTEMS										
A. Transmitters/Receiver - Type A Kits										
FY 99	304	20.000	ARDEC	Option/FP	Raytheon, Indianapolis, IN	DEC 98	OCT 99	YES		
FY 00	179	20.000	ARDEC	Option/FP	Raytheon, Indianapolis, IN	FEB 00	OCT 00	YES		
B. Receivers - Type B										
FY 99	500	2.666	ARDEC	Option/FP	Raytheon, Indianapolis, IN	JAN 99	JAN 00	YES		
FY 00	394	2.449	ARDEC	Option/FP	Raytheon, Indianapolis, IN	FEB 00	NOV 00	YES		
D. REMARKS										

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LINE ITEM/ FISCAL YEAR	QTY	UNIT COST	LOCATION OF PCO	CONTRACT METHOD TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAIL NOW?	DATE REVIS AVAIL	
4. REMOTE ACTIVATED MUNITIONS SYS (Cont) B. Receivers - Type B (Cont) FY 01	1,807	2.415	ARDEC	Option/FP	Raytheon, Indianapolis, IN	NOV 00	JAN 01	YES		
5. 105MM HIGH FRAGMENTATION ROUND A. Rounds FY 99	5,350	0.300	ARDEC	Option/FP	Scranton AAP and SNC	SEP 99	DEC 00	YES		
B. Fuzes FY 00	3,000	0.398	ARDEC	C/FP	TBD	JUN 00	APR 01	YES		
FY 01	10,291	0.358	ARDEC	C/FP	TBD	DEC 00	APR 02	YES		
6. MULTI-PURPOSE ANTI-ARMOR/ANTI- PERSONAL WEAPONS SYSTEM AMMUNITION A. TPT141 FY 99	4,505	0.198	ARDEC	Option/FP	Bofors, Sweden	SEP 99	SEP 00	YES		
B. 502IM FY 99	2,794	0.987	ARDEC	Option/FP	Bofors, Sweden	SEP 99	MAR 01	YES		
C. Heat 551CIM FY 01	1,476	1.983	ARDEC	Option/FP	Bofors, Sweden	JUN 01	DEC 01	YES		
D. 441CIM FY 01	821	1.491	ARDEC	Option/FP	Bofors, Sweden	JUN 01	MAR 02	YES		
D. REMARKS										

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7. IMPROVED LIMPET MINE SYSTEM A. Hardware FY 01	39	44.547	NAVSEA	C/FP	TBD	JUN 01	SEP 02	YES		
8. MK 59 A. Hardware FY 99	5,746	0.800	NSWC, Crane	C/FP	AMTEC Corporation, Janesville, WI	AUG 99	JUL 00	YES		
D. REMARKS										

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	Prior Years	FY99	FY00	FY01	FY02	FY03	FY04	FY05
QUANTITY								
COST (In Millions \$)	343.898	70.401	84.028	74.444	56.092	25.541	32.358	33.842

**MISSION AND DESCRIPTION:** The Communications Equipment and Electronics line item provides for communication systems to support Special Operations Forces (SOF). The SOF mission mandates that SOF systems remain technologically superior to any threat to provide a maximum degree of survivability. SOF units require communications equipment that will improve their warfighting capability without degrading their mobility. Therefore, SOF Communications Equipment & Electronics is a continuing effort to procure lightweight and efficient SOF Command, Control, Communications, and Computer (C4) capabilities.

USSOCOM has developed an overall strategy to ensure that Command, Control, Communications, Computer and Intelligence (C4I) systems continue to provide SOF with the required capabilities into the 21st century. USSOCOM's C4I systems comprise an integrated network of systems providing positive command and control and the timely exchange of intelligence and threat warning to all organizational echelons. The C4I systems that support this new architecture will employ the latest standards and technology by transitioning from separate systems to full integration with the infosphere. The infosphere is a multitude of existing and projected national assets that will allow SOF elements to operate with any force combination in multiple environments. The C4I programs funded in this procurement line are grouped by the level of organizational element they support: Operational Element (Team), Above Operational Element (Deployed) and Above Operational Element (Garrison).

**OPERATIONAL ELEMENT (TEAM)**

1. The Special Mission Radio System (SMRS) is the materiel solution for the SOF high frequency manpack radio requirement. SMRS provides SOF with smaller lighter weight systems for long-range communications. SMRS when fully upgraded will contain Line-of-Sight (LOS); Near Vertical Incident Skywave and Beyond LOS voice, data and Low Probability of Intercept/Low Probability of Detection communications capabilities; and embedded Communications Security, both MIL-STD and special Automatic Link Establishment deployed in hostile and



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<p>clandestine environments. The system consists of manpack radios and transportable base stations.</p> <p>FY 2001 PROGRAM JUSTIFICATION: Acquires 25 AN/PRC-137F radios and completes the evolutionary technology insertion of a new Digital Message Entry Device.</p> <p>2. Naval Special Warfare (NSW) Tactical Radio Systems. Provides NSW a maritime tactical communications system which provides radio control/interior communications and a drop-in communications package capable of housing any combination of up to four HF, Very High Frequency (VHF), Ultra-High Frequency (UHF), and satellite communication radios and associated Communications Security (COMSEC). Additionally, it includes a communications-capable helmet.</p> <p>3. Multi-Band/Multi-Mission Radio (MBMMR). A joint SOF requirement, MBMMR provides a lightweight, secure, manpackable, multi-band transceiver capability operating in the following frequency bands: VHF-FM, VHF-AM, and UHF-FM satellite communications in a single radio, reducing the number of radios required to be carried by each team.</p> <p>FY 2001 PROGRAM JUSTIFICATION: Acquires 337 Manpack Systems and 170 Fixed Mount. Completes planned acquisition of MBMMR Manpack Systems.</p> <p>4. Multi-Band Inter/Intra Team Radio (MBITR). The MBITR will provide lightweight, handheld, inter/intra team communications for joint SOF. SOF teams conduct air, ground and maritime missions across the entire operational spectrum. These missions currently require SOF teams to carry multiple handheld radios operating in several different frequency bands to ensure positive communications. The MBITR will provide each of these frequency bands in a single handheld radio with embedded COMSEC.</p> <p>FY 2001 PROGRAM JUSTIFICATION: Acquires 460 Urban and 136 Maritime MBITR systems. Completes planned acquisition of MBITR maritime systems.</p>		

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<p>5. CONDOR. CONDOR is a secure worldwide cellular telephone service with the inter/intra team capability. The system consists of handset equipment, mobile base station, low earth orbit satellite constellation with gateways, airborne base stations/relays, and manpack cell sites/gateways which supports 2000 users. These systems will support SOF in all aspects of their missions.</p> <p>6. Miniature Multi-band Beacon (MMB). Provides a small, lightweight, portable radar transponder beacon for hand emplacement and orientation. MMB may be used as a point designator to provide accurate delivery of ordnance by close air support aircraft for immediate or preplanned targets, enroute navigation and drop zone marking.</p> <p>FY 2001 PROGRAM JUSTIFICATION: Acquires 107 MMB systems. Completes planned acquisition of MMB systems.</p> <p>7. Active Noise Reduction (ANR). ANR is an electronic noise canceling device which will be built into air crew helmets and headsets. This system detects noise, reverses phase, duplicates amplitude, and feeds the signal into the headset, thereby canceling most of the noise. These high noise levels cause irritability, fatigue, and dizziness which can compromise the aircrew ability to perform mission tasks.</p> <p>ABOVE OPERATIONAL ELEMENT (DEPLOYED)</p> <p>8. SOF Tactical Assured Connectivity Systems (SOFTACS). The SOFTACS program will provide significantly increased information transfer capability to deployed SOF through a multi-band, multi-channel SHF satellite communications terminal. It will field an integrated and balanced suite of communications systems designed to support high capacity, digital, secure, interoperable transmission and switching requirements of SOF Command, Control, Communications, Computer and Intelligence programs. SOFTACS will provide the wideband transmission system to support the data requirements of other programs such as the SOF Intelligence Vehicle.</p> <p>FY 2001 PROGRAM JUSTIFICATION: Acquires 6 SOFTACS with upgraded switches.</p>		

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<p>9. Joint Base Station (JBS). JBS is an evolutionary acquisition program, which encompasses four service-specific requirements: TSC-135 (core capability, commercial vehicle system), TSC-135 (V)1 (military vehicle system with transit case capabilities), TSC-135 (V)2 (transit case system) and TSC-135 (V)3 (fixed site system). JBS will provide SOF with continuous, reliable communications among SOF component commands while allowing for differences in missions. JBS will contain line-of-sight (LOS) and beyond-LOS radios, and associated message handling and switching equipment, providing command and control voice, imagery, data, and facsimile.</p> <p>a. JBS Core. Formerly Task Unit Van, the JBS Core is a self-contained vehicular communications system mounted in a highly mobile, four-wheel drive commercial vehicle with trailer which enables Naval Special Warfare Task Units to rapidly relay and receive tactical and intelligence information from infiltrated elements to higher authority. Seven JBS Core Systems are fielded. Initial operational capability was achieved November 1995.</p> <p>b. JBS Variant 1 (JBS V1). Formerly Special Forces Base Station, this variant is a state-of-the-art, highly mobile, communications base station assemblage integrated into a military shelter mounted on a Packhorse fifth-wheel trailer. The prime mover is a High Mobility Multi-purpose Wheeled Vehicle (HMMWV). The system provides U.S. Army Special Operations Command commanders with an operational communications capability. The system is designed to allow for rapid removal and installation of individual equipment or entire racks of equipment into a transit case option.</p> <p>c. JBS Variant 2 (JBS V2). Formerly Special Operations Communications Package, this variant is a man-transportable integrated transit case system that provides U.S. Air Force Special Operations Command, Theater Special Operations Command commanders and the NSW Command with an operational transit case capability. JBS V2 is small enough to be HMMWV transportable or loaded onto a 463L aircraft pallet. This package replaces the Special Communications Integrated Package.</p> <p>FY 2001 PROGRAM JUSTIFICATION: Acquires 2 V2 Systems.</p>		

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<p>d. JBS Variant 3 (JBS V3). Formerly Fixed Base Station, this variant is a man-transportable, multi-function transit case headquarters base station communications system which provides Naval Special Warfare commanders the ability to monitor and coordinate nearby land and sea operations. The Joint Base Station V3 upgrades the former system with state-of-the-art communications.</p> <p>10. Special Operations Communications Assemblage Improvement (SOCAIMP). Beginning FY 2000, SOCAIMP upgrades 80 existing Special Operations Communications Assemblage Systems with modern communications devices to include ultra-high frequency satellite communications with demand assignment multiple access, high frequency Single Side Band radios, embedded communications security improved system software, and higher data rate modems.</p> <p>FY 2001 PROGRAM JUSTIFICATION: Upgrades 12 systems.</p> <p>ABOVE OPERATIONAL ELEMENT (GARRISON)</p> <p>11. Command, Control, Communications, Computers and Intelligence Automation System (C4IAS). C4IAS consolidates 9 previously separate automation programs and incorporates numerous disparate local and wide area networks, collateral and unclassified, into one centralized SOF wide corporate information network. It migrates SOF C4I automation across the commands, from garrison tactical extensions, into an effective, efficient, interoperable global information system. Through the implementation of state-of-the-art hardware, software and communications technology, C4IAS will provide the SOF user community with the best, most efficient means to effectively satisfy SOF information requirements. C4IAS fulfills a wide range of requirements: command and control; intelligence; administration; office automation; decision making assistance; mission analysis, planning, and execution; and logistics, and acts as the interface to other automation systems transitioning the network. The overall network must accommodate, at least until multi-level security accreditation is in place, operation at different security levels. C4IAS is designated an evolutionary acquisition program. Through the implementation of evolutionary technology insertions, the various networks will be standardized in accordance with the Defense Information Infrastructure Common Operating Environment, modernized, and evolved into a SOF wide corporate network. Network operations will be collapsed, consolidated and centralized to streamline infrastructure expenditures. In order to facilitate interfaces and interoperability the network will transition to Asynchronous Transfer Mode (ATM) to remain consistent with the</p>		

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<p>Defense Information System Network and with USSOCOM's SCAMPI network. Legacy systems include U.S. Army Special Operations Command Network, Army and Air Force SOF Logistics and Acquisition Management System, USSOCOM Local Area Network /Wide Area Network (LAN/WAN), Naval Special Warfare Command LAN/WAN, Air Force Special Operations Command LAN/WAN, Special Tactics Network, Special Mission Unit LAN/WAN, and the Command Planning Database.</p> <p>FY 2001 PROGRAM JUSTIFICATION: Replaces 83 servers and other peripherals under the Capital Equipment Replacement Program. Network migration to ATM will continue at 2 major sites.</p> <p>12. SCAMPI. SCAMPI is a telecommunications system for the dissemination of Command, Control, Communications, Computer and Intelligence (C4I) information among USSOCOM, its components and their major subordinate units, and selected Government agencies and activities directly associated with the Special Operations (SO) community. SCAMPI is the principal C4I medium for USSOCOM. SCAMPI provides gateway service for the SO community to external DOD classified voice, data and video teleconferencing systems. Transmission of data between SCAMPI nodes is over leased T1 and fraction T1 lines. SCAMPI carries collateral (red) and Sensitive Compartmented Information (grey) voice and data. Voice and data information are integrated into data streams using multiplexers. USSOCOM has developed a deployable SCAMPI capability. It provides a deployed SOF Headquarters (down to operational unit level) with simultaneous multimedia capability (digital and analog voice, asynchronous and synchronous data, Ethernet LAN, and Integrated Systems Digital Network) with switched connectivity to national, DOD common user, and theater communications links through a SCAMPI tactical gateway. Funds provide for migration of the SCAMPI System (hubs, nodes, gateways, and deployable nodes) to a DOD standards-compliant ATM architecture.</p> <p>FY 2001 PROGRAM JUSTIFICATION: SCAMPI ATM node retrofit for 9 garrison sites and 4 deployable nodes, 1 mini hub ATM retrofit at Special Operations Command Europe, installation of SOF-unique equipment at Standardized Tactical Entry Point sites, and node relocation of SCAMPI equipment in support of 1 SOF unit relocation into new facilities.</p>		

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<p>13. Video Teleconferencing (VTC). VTC provides a means to conduct positive command and control in a secure, real-time, face-to-face manner and allow information exchange among HQ USSOCOM, the Washington Office, its component commands, and the Theater Special Operations Commands (TSOCs). It provides access to USSOCOM VTC systems, the Defense Information System Network Video Services Global (DVSG), and the Joint Worldwide Intelligence Communications System.</p> <p>FY 2001 PROGRAM JUSTIFICATION: Phase II extends the DVSG to the TSOCs.</p> <p>14. Headquarters (HQ) Command, Control, Communications, Computer and Intelligence (C4I) Systems. HQ C4I supports a variety of HQ USSOCOM C4I requirements to include the Defense Message System (DMS) and the Systems Readiness Center (SRC). The DMS is a Department of Defense program to capitalize on existing communication circuitry and emerging technology to meet requirements for secure, accountable, and reliable, writer-to-reader messaging at reduced cost. DMS incorporates state-of-the-art messaging, directory, security, and management technologies. Implementation of DMS will allow phaseout of obsolete Automatic Digital Network technologies and incompatible, unsecured electronic mail systems. The Network Control Center provides comprehensive, responsive, and proactive support to USSOCOM network users. The SRC will monitor and control the SCAMPI, Headquarters LAN/WAN and other network operations from a primary and a secondary control node.</p> <p>FY 2001 PROGRAM JUSTIFICATION: Acquires hardware to continue Capital Equipment Replacement Program. Also acquires hardware for network migration to asynchronous transfer mode at major sites.</p> <p>15. Mission Planning, Analysis, Rehearsal and Execution (MPARE) system. A joint, fully integrated command and control system of systems that is focused on a common operational capability for SOF Commanders at all levels. MPARE will allow for collaborative and distributed information sharing/analysis, from all echelons in and out of the SOF community, through all phases of the SOF mission for both the deliberate and time-critical environment.</p>		

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<p>FY 2001 PROGRAM JUSTIFICATION: Funding provides for the procurement of a Top Scene like capability for one MPARE suite.</p>		

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COST ANALYSIS EXHIBIT (P-5) - Other Procurement	A. Appropriation/Budget Activity Title/No. Procurement, Defense-Wide/Proc. Just./2		B. Line Item Nomenclature COMMUNICATIONS EQUIPMENT & ELECTRONICS				C. DATE: FEBRUARY 2000	
Work Breakdown Structure Cost Elements (\$thousands)	FY 1999		FY 2000		FY 2001			
	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost		
1. SPECIAL MISSION RADIO SYSTEM								
A. Manpack Radio Hardware Upgrade 137C to 137F	5.198	5,776						
B. Manpack Radio 137F	25.000	1,875	25.550	4,088	26.000	650		
C. General Purpose HF Radios	34.295	2,229						
D. Vehicle Kits								
E. Transportable Base Stations Upgrade	10.000	500						
F. Transportable Base Stations	119.500	239						
G. Evolutionary Tech Insertions(ETIs)/ Eng Change Orders (ECOs)						2,919		
H. Ancillary Equipment		135		80		335		
Subtotal		10,754		4,168		3,904		
2. NAVAL SPECIAL WARFARE TACTICAL RADIO								
A. Hardware			76.500	918				
B. ETIs/ECOs								
Subtotal		0		918				
3. MULTI-BAND/MULTI MISSION RADIO								
A. Manpack Hardware			23.782	5,399	21.718	7,319		
B. Vehicular Hardware			72.450	145	46.109	7,839		
C. Ancillary Equipment/Training				176		699		
D. Non Recurring Engineering(NRE)/ECOs						620		
Subtotal		0		5,720		16,477		
4. MULTI-BAND INTER/INTRA TEAM RADIO								
A. Urban Radio Hardware	4.690	5,056	4.940	2,519	5.138	2,364		
B. Maritime Radio Hardware	4.915	767	5.165	4,680	5.386	733		
C. Ancillary Equipment		637		3,884		294		
D. NRE/ECOs		667		647				
Subtotal		7,127		11,730		3,391		
5. CONDOR								
A. Cellular Phones			1.012	261				
B. Remote Trunking System Cell Site								
Subtotal				261				
6. MINIATURE MULTIBAND BEACON					9.682	1,036		
7. ACTIVE NOISE REDUCTION								
A. Power Integration		1,108						



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COST ANALYSIS EXHIBIT (P-5 ) - Other Procurement	A. Appropriation/Budget Activity Title/No. Procurement, Defense-Wide/Proc. Just./2		B. Line Item Nomenclature COMMUNICATIONS EQUIPMENT & ELECTRONICS				C. DATE: FEBRUARY 2000	
Work Breakdown Structure	FY 1999		FY 2000		FY 2001			
Cost Elements (\$thousands)	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost		
<b>8. SPECIAL OPERATIONS FORCES TACTICAL ASSURED CONNECTIVITY SYSTEM (SOFTAC)</b>								
A. SOFTACS Hardware				3,025	2,252.667	13,516		
B. SOFTACS Tropo-Satellite Support Radios		373						
C. Tactical Satellite Signal Processors		776						
D. Downsized Deployable Satellite Terminals				3,169		4,376		
E. Production Support/Initial Training/Fielding/Testing		4,463		2,051		1,830		
F. Initial Spares						2,485		
G. Engineering Change Orders (ECOs)						97		
H. Asynchronous Transfer Mode/Defense Message System Evolutionary Technology Insertions (ETIs)								
I. Switch ETIs								
J. MSG ETI	174.000	2,088						
K. KA Band ETI								
L. Net Encryption System ETI								
M. Local Area Net ETIs			252.200	6,305				
N. External Triband Antenna								
Subtotal		7,700		14,550		22,304		
<b>9. JOINT BASE STATION</b>								
B. Variant 1 Production								
(1) Variant 1 Transit Case Hardware	3,229.000	3,229						
(2) Variant 1 Vehicle System Hardware	2,573.200	12,866	2,558.400	12,792				
(3) Variant 1 High Frequency (HF) Systems	150.500	1,505						
C. Variant 2 Production								
(1) Variant 2 Hardware			1,936.000	3,872	1,975.000	3,950		
(2) Variant 2 HF Systems	61.667	555						
(3) Variant 2 MODCOM	1,411.000	8,466						
D. Variant 3 Upgrade								
(1) Variant 3 Hardware	824.300	7,419						
(2) Variant 3 HF Systems	44.222	398						
E. ETI		2,409		3,242				
Subtotal		36,847		19,906		3,950		
<b>10. SPECIAL OPERATIONS COMM ASSEMBLAGE IMP</b>								
			270.077	3,511	242.500	2,910		



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1. SPECIAL MISSION RADIO SYSTEM									
A. Manpack Radio Hardware Upgrade 137C to 137F FY 99	976	5.918	NSMA	Option	Classified	OCT 99	APR 00	YES	
B. Manpack Radio 137F FY 99	75	25.000	NSMA	Option	Classified	OCT 99	APR 00	YES	
FY 00	160	25.550	NSMA	Option	Classified	MAY 00	NOV 00	YES	
FY 01	25	26.000	NSMA	Option	Classified	NOV 00	MAY 01	YES	
C. General Purpose High Frequency Radios FY 99	65	34.295	USSOCOM	Option	Harris, Rochester, NY	JUN 99	JAN 00	YES	
E. Transportable Base Station Upgrade FY 99	50	10.000	NSMA	Option	Classified	OCT 99	MAY 00	YES	
F. Transportable Base Station FY 99	2	119.500	NSMA	Option	Classified	OCT 99	MAY 00	YES	
2. NAVAL SPECIAL WARFARE TACTICAL RADIO SYSTEM									
A. Hardware FY 00	12	76.500	NAWC-AD	PO	Various	APR 00	SEP 00	YES	
3. MULTI-BAND/MULTI-MISSION RADIO									
A. Manpack Hardware FY 00	227	23.782	USSOCOM	Option	Raytheon, Ft Wayne, IN	DEC 99	JUN 00	YES	
FY 01	337	21.718	USSOCOM	Option	Raytheon, Ft Wayne, IN	OCT 00	JAN 01	YES	
D. REMARKS:									

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3. MULTI-BAND/MULTI-MISSION RADIO (Cont.)									
B. Vehicular Hardware									
FY 00	2	72.450	USSOCOM	Option	Raytheon, Ft Wayne, IN	DEC 99	JUN 00	YES	
FY 01	170	46.109	USSOCOM	Option	Raytheon, Ft Wayne, IN	OCT 00	JAN 01	YES	
4. MULTI-BAND INTER/INTRA TEAM RADIO									
A. Urban Hardware									
FY 99	1078	4.690	USSOCOM	Option	Racal, Rockville, MD	MAR 99	JAN 00	YES	
FY 00	510	4.940	USSOCOM	Option	Racal, Rockville, MD	JAN 00	JUL 00	YES	
FY 01	460	5.138	USSOCOM	Option	Racal, Rockville, MD	OCT 00	NOV 00	YES	
B. Maritime Radio Hardware									
FY 99	156	4.915	USSOCOM	Option	Racal, Rockville, MD	MAR 99	JAN 00	YES	
FY 00	906	5.165	USSOCOM	Option	Racal, Rockville, MD	JAN 00	JUL 00	YES	
FY 01	136	5.386	USSOCOM	Option	Racal, Rockville, MD	OCT 00	NOV 00	YES	
5. CONDOR									
A. Cellular Phones									
FY 00	258	1.012	PM MILSATCOM	Option	TBD	APR 00	SEP 00	NO	MAR 00
6. MINIATURE MULTIBAND BEACON									
FY 01	107	9.682	USSOCOM	Option	Sierra Monolithics	NOV 00	JUN 01	NO	AUG 00
8. SOF TACTICAL ASSURED CONNECTIVITY SYSTEMS (SOFTACS)									
A. SOFTACS Hardware									
FY 01	6	2,252.667	PM/SATCOM	Option	Raytheon, Marlboro, MA	OCT 00	OCT 01	YES	
D: REMARKS:									

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LINE ITEM/ FISCAL YEAR	QTY	UNIT COST	LOCATION OF PCO	CONTRACT METHOD TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAIL NOW?	DATE REVIS AVAIL	
8. SOF TACTICAL ASSURED CONNECTIVITY SYSTEMS (SOFTACS) (Cont.)										
J. MSG ETI FY 99	12	174.000	PM/SATCOM	C/FFP	TBD	MAR 99	JUN 99	YES		
M. Local Area Net ETIs FY 00	25	252.200	PM/SATCOM	Option	TBD	FEB 00	AUG 00	YES		
9. JOINT BASE STATION										
B. Variant 1 Production										
(1) Variant 1 Transit Case Hardware FY 99	1	3,229.000	NAWC-AD	PO	Various	AUG 99	SEP 00	YES		
(2) Variant 1 Vehicle System Hardware FY 99	5	2,573.200	NAWC-AD	PO	Various	APR 99	MAY 00	YES		
FY 00	5	2,558.400	NAWC-AD	PO	Various	OCT 99	OCT 00	YES		
(3) Variant 1 High Frequency (HF) Systems 1 FY 99	10	150.500	NAWC-AD	PO	Various	FEB 99	AUG 99	YES		
C. Variant 2 Production										
(1) New Hardware FY 00	2	1,936.000	NAWC-AD	PO	Various	OCT 99	MAR 01	YES		
FY 01	2	1,975.000	NAWC-AD	PO	Various	OCT 00	MAR 02	YES		
(2) Variant 2 HF Systems FY 99	9	61.667	NAWC-AD	PO	Various	FEB 99	AUG 99	YES		
(3) Variant 2 MODCOM FY 99	6	1,411.000	NAWC-AD	PO	Various	APR 99	JUN 00	YES		
D. REMARKS:										

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BUDGET PROCUREMENT HISTORY AND PLANNING							A. DATE: FEBRUARY 2000			
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE-WIDE/2				C. P-1 ITEM NOMENCLATURE COMMUNICATIONS EQUIPMENT & ELECTRONICS						
LINE ITEM/ FISCAL YEAR	QTY	UNIT COST	LOCATION OF PCO	CONTRACT METHOD TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAIL NOW?	DATE REVIS AVAIL	
9. JOINT BASE STATION (Cont.)										
D. Variant 3 Upgrade										
(1) Variant 3 Hardware FY 99	9	824.300	NAWC-AD	PO	Various	MAY 99	DEC 99	YES		
(2) Variant 3 HF Systems FY 99	9	44.222	NAWC-AD	PO	Various	FEB 99	AUG 99	YES		
10. SPECIAL OPERATIONS COMMUNICATIONS ASSEMBLAGES										
FY 00	13	270.077	USSOCOM	C/FFP	TBD	JUN 00	MAR 01	YES		
FY 01	12	242.500	USSOCOM	Option	TBD	OCT 00	JUL 01	YES		
11. COMMAND, CONTROL, COMMUNICATIONS, COMPUTERS AND INTELLIGENCE AUTOMATION SYSTEM										
A. Server Hardware										
FY 00	83	29.072	USSOCOM	PO	TBD	DEC 99	MAR 00	NO	OCT 99	
FY 01	83	29.554	USSOCOM	PO	TBD	DEC 00	MAR 01	NO	OCT 00	
12. SCAMPI										
A. Deployable Nodes										
FY 01	4	326.750	Technology Application Office (TAO)	CPFF	TBD	NOV 00	MAY 01	NO	SEP 00	
B. Node Relocation										
FY 00	1	87.500	TAO	CPFF	TBD	NOV 99	MAY 00	NO	SEP 99	
FY 01	1	91.000	TAO	CPFF	TBD	NOV 00	MAY 01	NO	SEP 00	
C. Node Asynchronous Transfer Mode (ATM) Retrofits										
FY 00	4	635.000	TAO	CPFF		FEB 00	JUN 00	NO	OCT 99	
D. REMARKS:										

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BUDGET PROCUREMENT HISTORY AND PLANNING							A. DATE: FEBRUARY 2000			
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE-WIDE/2				C. P-1 ITEM NOMENCLATURE COMMUNICATIONS EQUIPMENT & ELECTRONICS						
LINE ITEM/ FISCAL YEAR	QTY	UNIT COST	LOCATION OF PCO	CONTRACT METHOD TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAIL NOW?	DATE REVIS AVAIL	
12. SCAMPI (Cont.)										
C. Node Asynchronous Transfer Mode (ATM) Retrofits (Cont.)										
FY 01	9	658.778	TAO	CPFF	TBD	FEB 01	JUN 01	NO	OCT 00	
D. Mini Hub ATM Upgrade										
FY 01	1	386.000	TAO	OPFF	TBD	NOV 00	MAY 01	NO	SEP 00	
E. Hub ATM Retrofits										
FY 99	5	452.800	TAO	CPFF	CSTI, Columbia, MD	APR 99	OCT 99	YES		
F. Garrison Node ATM Upgrade										
FY 99	5	412.200	TAO	CPFF	CSTI, Columbia, MD	APR 99	OCT 99	YES		
G. Red Switch Upgrade										
FY 00	1	800.000	TAO	CPFF	TBD	JAN 00	JUL 00	YES		
13. VIDEO TLELCONFERENCEING (VTC)										
A. Site Hardware										
FY 99	3	151.000	USSOCOM	Option	TBD	JUL 99	SEP 99	YES		
FY 00	4	141.500	USSOCOM	Option	TBD	DEC 99	APR 99	NO	SEP 99	
B. Equipment Upgrades										
FY 00	1	356.000	USSOCOM	PO	TBD	MAR 00	AUG 00	NO	JAN 00	
FY 01	2	161.000	USSOCOM	PO	TBD	NOV 00	FEB 00	NO	JAN 00	
C. Desktop VTC										
FY 00	17	11.000	USSOCOM	PO	TBD	APR 00	AUG 00	NO	JAN 00	
FY 01	1	12.000	USSOCOM	PO	TBD	DEC 00	MAR 00	NO	JAN 00	
D. REMARKS:										





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BUDGET ITEM JUSTIFICATION SHEET						DATE FEBRUARY 2000		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2			P-1 ITEM NOMENCLATURE SOF INTELLIGENCE SYSTEMS					
	Prior Years	FY99	FY00	FY01	FY02	FY03	FY04	FY05
QUANTITY								
COST (In Millions \$)	204.929	23.000	19.982	32.309	7.678	8.757	11.430	15.961

**MISSION AND DESCRIPTION:** The Special Operations Forces (SOF) Intelligence Systems line item includes all SOF intelligence requirements under one procurement program. Examples of systems procured are Joint Deployable Intelligence Support System-Special Operations Command, Research, Analysis and Threat Evaluation System, SOF Intelligence Vehicle, Multi-mission Advanced Tactical Terminal, SILENT SHIELD, Integrated Survey Program, SOF Signal Intelligence Manpack System, PRIVATEER, and Special Operations Tactical Video System.

USSOCOM has developed an overall strategy to ensure that Command, Control, Communications, Computers, and Intelligence (C4I) systems continue to provide SOF with the required capabilities into the 21st century. USSOCOM's C4I systems comprise an integrated network of systems providing positive command and control and the timely exchange of intelligence and threat warning to all organizational echelons. The C4I systems that support this architecture will employ the latest standards and technology by transitioning from separate systems to full integration with the infosphere. The infosphere will allow SOF elements to operate with any force combination in multiple environments. The C4I programs funded in this procurement line are grouped by the level of organizational element they support: Operational Element (Team), Above Operational Element (Deployed) and Above Operational Element (Garrison).

**OPERATIONAL ELEMENT (TEAM)**

1. Multi-mission Advanced Tactical Terminal (MATT). Program enables combat forces to directly receive near-real-time operational intelligence products and threat information to support mission planning, updates, and execution. The program integrates MATT capabilities with Command, Control, Communications, and Intelligence Systems (C3I). Procurement and fielding of MATT will address the primary requirement for situational awareness during infiltration and exit from operating areas. MATT was designated by ASD (C3I) as one of two tactical terminal migration systems, and the MATT design has been designated as the interim airborne variant of the Joint Tactical Terminal.

BUDGET ITEM JUSTIFICATION SHEET		DATE FEBRUARY 2000
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2	P-1 ITEM NOMENCLATURE SOF INTELLIGENCE SYSTEMS	
<p>2. <b>SILENT SHIELD.</b> The program is part of an evolutionary Joint Threat Warning System (JTWS) migration being developed to support SOF-wide operations. System development emphasizes a rapid prototyping effort to develop, test, and field systems that provide direct threat warning and enhanced situational awareness data to SOF aircrews at the collateral SECRET level.</p> <p>FY 2001 PROGRAM JUSTIFICATION: Procures 27 Communications Surveillance Systems and 21 Tactical Data Receivers, engineering change orders, and initial spares. Provides Real Time Information into the Cockpit equipment for the AC-130U.</p> <p>3. <b>Integrated Survey Program (ISP).</b> Supports JCS contingency planning by conducting surveys and producing highly detailed target analysis packages on critical US facilities. ISP is a DOD migration system that merged four programs to standardize methodology and equipment. Establishes central production of survey products while increasing dissemination through use of CD-ROM and INTELINK/INTELINK-S.</p> <p>4. <b>PRIVATEER.</b> PRIVATEER is part of an evolutionary signal intelligence system migration and acquisition program that provides a permanent full spectrum Radar and Communications Early Warning capability aboard Cyclone-Class Patrol Coastal (PC) and MK-V Special Operations Craft (SOC). The PC configuration is confined to the electronic surveillance mission area, while the MK-V SOC configuration has been expanded to include an electronic attack capability for self-defense. A subset of the JTWS, it hosts a common software architecture that controls a variety of hardware modules designed to satisfy the unique platform requirements of each ship class. System configuration provides the equipment necessary to monitor and provide direction finding on radar and communications signals of interest. Also provides broadcast threat warning capabilities. Architecture is Joint Deployable Intelligence Support System/Joint Maritime Communications and Intelligence Support System compliant with UNIX-based software.</p> <p>FY 2001 PROGRAM JUSTIFICATION: Procures the Standards Compliance Evolutionary Technology Insertion (ETI) for 20 MK-V's and 7 PC's, the Modern Modes Exploitation ETI for 20 MK-V's and 7 PC's, and the SATCOM antenna ETI for 7 PC's.</p> <p>5. <b>SOF Signals Intelligence (SIGINT) Manpack System (SSMS).</b> SSMS is part of an evolutionary SIGINT system migration and acquisition</p>		

BUDGET ITEM JUSTIFICATION SHEET	DATE FEBRUARY 2000
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2	P-1 ITEM NOMENCLATURE SOF INTELLIGENCE SYSTEMS
<p>program that provides a permanent full spectrum Communications Early Warning capability to ground, maritime and air components of the SOF. Program acquires manpackable, lightweight communications early warning and direction finding systems that weigh less than 38 pounds and fit within an Alice pack. Initial acquisition provided a non-developmental item capability that has now been substantially improved to reduce weight and power while significantly improving capability through multiple receivers and a reduced number of antennae. SSMS is a premier SOF Signals Intelligence System whose capability has been expanded to support the unique platform requirements of maritime and airborne platforms. SSMS will migrate into the Joint Threat Warning System (JTWS).</p> <p>6. JTWS. JTWS is the evolutionary signal intelligence migration and acquisition program that provides force protection, integrated threat warning, and situational awareness equipment for SOF-wide application. Systems provide information derived through the detection and location of threat emitters and via access to national intelligence broadcasts delivered via the Integrated Broadcast System (IBS). JTWS supports worldwide mission requirements with ground, maritime, airborne, and unattended applications, and is an evolutionary system derived through the migration of existing or developing technology.</p> <p>ABOVE OPERATIONAL ELEMENT (DEPLOYED)</p> <p>7. SOF Intelligence Vehicle (SOF IV). The SOF IV is a deployable, automated, multi-source intelligence processing and dissemination system. The SOF IV extends the Joint Deployable Intelligence Support System (JDISS)/Special Operations Command Research, Analysis and Threat Evaluation System (SOCRATES) architecture to the Joint Special Operations Task Force level permitting automated interface to all theater-level intelligence data handling systems. SOF IV provides for the receipt, processing, and manipulation of near-real-time intelligence data in order to produce highly tailored, accurate and timely intelligence products to support deployed SOF. The system employs a high mobility multi-purpose wheeled vehicle configured with a rigid wall; standard integrated command post shelter to house computer servers, mass storage devices, and communications equipment; and a tent extension for the remote operation of analyst workstations. It incorporates DOD Intelligence Information System and JDISS standards and products in accordance with JCS direction. A second configuration of the system also exists with identical performance capabilities using a modular, transit case design.</p>	

BUDGET ITEM JUSTIFICATION SHEET		DATE FEBRUARY 2000
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2	P-1 ITEM NOMENCLATURE SOF INTELLIGENCE SYSTEMS	
<p>NOTE: The JDISS/SOCRATES is planned for this level as well as capabilities to receive broadcast threat warning data.</p> <p>8. Special Operations Tactical Video System (SOTVS). SOTVS will provide the capability to forward digital/video imagery near-real time via current or future communication systems (i.e., landline, HF, VHF, and SATCOM radios) in support of surveillance and reconnaissance missions. This manpackable tactical system will consist of digital still/video cameras, ruggedized palmtop/laptop computers with image manipulation software and data controllers. Three versions are planned: Splashproof-Still Digital (SV1A), Splashproof-Single Frame Video Grab (SV1B), and Waterproof-Still Digital (SV2).</p> <p>FY 2001 PROGRAM JUSTIFICATION: Procures 4 low rate initial production SV1B's, 101 SV1A's, 5 SV1B's, software and data controllers, initial cadre training, and initial spares.</p> <p>ABOVE OPERATIONAL ELEMENT (GARRISON)</p> <p>9. Joint Deployable Intelligence Support System/Special Operations Command Research, Analysis and Threat Evaluation System (JDISS/SOCRATES). The JDISS/SOCRATES Program provides a wide range of mission-directed automated intelligence and imagery support to HQ USSOCOM, its component commands, and Theater Special Operations Command, both in-garrison and deployed. JDISS/SOCRATES also includes the 4th Psychological Operations Group Psychological Operations Automation System and the Joint Special Operations Command Special Operations Intelligence System (SOIS). The SOIS was reprogrammed into the JDISS/SOCRATES program to integrate common technical solutions and to better manage Intelligence Automated Information Systems supporting SOF. JDISS/SOCRATES is an umbrella client-server based architecture which allows single workstation access to the data bases and provides secure, on-line services to remote sites via SCAMPI (a secure communications distribution system), Secret Internet Protocol Routed Network, and the Joint Worldwide Intelligence Communications System. Through connectivity with local, theater and national intelligence assets and databases, JDISS/SOCRATES provides tailored, near real-time support to the SOF analysts. JDISS/SOCRATES capabilities include data processing, video mapping, news and message traffic, soft copy imagery processing and secondary imagery dissemination. The program ensures SOF intelligence interoperability and</p>		

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BUDGET ITEM JUSTIFICATION SHEET		DATE FEBRUARY 2000
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2	P-1 ITEM NOMENCLATURE SOF INTELLIGENCE SYSTEMS	
<p>connectivity worldwide.</p> <p>FY 2001 PROGRAM JUSTIFICATION: JDISS/SOCRATES is an evolutionary acquisition program and will provide technology insertions along with a proportional replacement for the next generation of equipment and software. Technology insertions planned include enhancements to intelligence preparation of the battlefield, joint intelligence fusion, collection asset management, automated language translation and meteorological and oceanographic system capabilities. Replacement of equipment includes next generation hardware and software purchase for the Special Operation Intelligence System network. Also, new equipment will be procured as part of the national system migration effort to include servers for the defense intelligence threat data system, servers for the modernized integrated database and a jumbo server for the imagery product library.</p>		

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COST ANALYSIS EXHIBIT (P-5) -	A. Appropriation/Budget Activity Title/No. Procurement, Defense-Wide/Proc. Just./2				B. Line Item Nomenclature SOF INTELLIGENCE SYSTEMS		C. DATE: FEBRUARY 2000			
	FY 1999		FY 2000		FY 2001					
Work Breakdown Structure Cost Elements (\$thousands)	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost				
1. MULTI-MISSION ADVANCED TACTICAL										
TERMINAL (MATT)										
A. Prime Mission Equipment (PME) (MATT)			175.000	2,100						
B. PME (BMATT)										
C. Production Engineering		185								
D. MATT/BMATT Spares										
Subtotal		185		2,100						
2. SILENT SHIELD										
A. PME - Communications Surveillance System					216.000	5,832				
B. PME - Tactical Data Receiver					179.000	3,759				
C. Initial Spares						447				
D. Production Engineering				1,827		964				
Subtotal				1,827		11,002				
3. INTEGRATED SURVEY PROGRAM										
A. Data Collection Suites	496,430	993								
B. Initial Spares		123								
Subtotal		1,116								
4. PRIVATEER										
A. PME - MKV	489,231	6,360								
B. Production Engineering - MKV		1,820								
C. Initial Spares - MKV		975								
D. PME - Patrol Coastal	515.000	1,030								
E. Evolutionary Technology Insertions (ETIs)				520		2,467				
Subtotal		10,185		520		2,467				
5. SOF SIGINT MANPACK SYSTEM										
A. ETI's		956								
B. Collection Device	750.000	1,500								
Subtotal		2,456								
6. Joint Theat Warning System										
A. Ground Variant			600.000	600						
B. Productiontime Engineering				378						
Subtotal				978						

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COST ANALYSIS EXHIBIT (P-5) -	A. Appropriation/Budget Activity Title/No. Procurement, Defense-Wide/Proc. Just./2				B. Line Item Nomenclature SOF INTELLIGENCE SYSTEMS		C. DATE: FEBRUARY 2000			
Work Breakdown Structure Cost Elements (\$thousands)	FY 1999		FY 2000		FY 2001					
	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost				
7. SOF INTELLIGENCE VEHICLE (SOF IV)										
A. PME- SOF IV-ETI	553.977	3,878	520.228	2,601						
Subtotal		3,878		2,601						
8. SPECIAL OPERATIONS TACTICAL VIDEO SYSTEM										
A. PME - SV1A					46.680	4,715				
B. PME - SV1B					35.160	176				
C. PME - SV2										
D. Low Rate Initial Production (LRIP) - SV1A			45.000	450						
E. LRIP - SV1B					35.160	141				
F. LRIP - SV2										
G. Tactical Reconnaissance Kit	748.000	748								
H. Production Engineering		52		145		1,976				
Subtotal		800		595		7,008				
9. SOCRATES										
A. Psyop Automated Systems		1,684		1,501		759				
B. Evolutionary Technology Insertions		2,696		2,032		361				
C. National Systems Migration				1,000		3,560				
D. Finish Block 3 Upgrade				2,210						
E. Begin Block 4 Upgrade						1,339				
F. Special Operations Intelligence System				4,618		5,813				
Subtotal		4,380		11,361		11,832				
LINE ITEM TOTAL		23,000		19,982		32,309				

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BUDGET PROCUREMENT HISTORY AND PLANNING							A. DATE: FEBRUARY 2000			
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE-WIDE/2				C. P-1 ITEM NOMENCLATURE SOF INTELLIGENCE SYSTEMS						
LINE ITEM/ FISCAL YEAR	QTY	UNIT COST	LOCATION OF PCO	CONTRACT METHOD TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAIL NOW?	DATE REVIS AVAIL	
1. Multi-mission Advanced Tactical Terminal FY00	12	175.000	USSOCOM	FFB	Raytheon Systems, CO Baltimore, MD	FEB 00	AUG 00	YES		
2. SILENT SHIELD										
A. Prime Mission Equipment - Communication Surveillance System FY 01	27	216.000	SPAWARSYSCEN Charleston, SC	Various	Various	DEC 00	JUN 01	YES		
B. Prime Mission Equipment - Tactical Data Receiver FY 01	21	179.000	USSOCOM	Unknown	Unknown	DEC 00	JUN 01	YES		
3. Integrated Survey Program										
A. Data Collection Suites FY 99	2	496.430	NSMA	Various	Classified	JUL 99	SEP 99	YES		
4. PRIVATEER										
A. Prime Mission Equipment (PME)- MKV FY 99	13	489.231	SPAWARSYSCEN Charleston, SC	Various	Various	MAR 99	DEC 99	YES		
D. PME - PC FY 99	2	515.000	SPAWARSYSCEN Charleston, SC	C/FP	SENSYS Technologies, Inc. Newington, VA	MAR 99	DEC 99	YES		
5. SOF SIGINT Manpack System										
B. Collection Device FY 99	2	750.000	NSA	Various	Various	AUG 99	NOV 99	YES		
D. REMARKS										



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BUDGET PROCUREMENT HISTORY AND PLANNING							A. DATE: FEBRUARY 2000			
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE-WIDE/2				C. P-1 ITEM NOMENCLATURE SOF INTELLIGENCE SYSTEMS						
LINE ITEM/ FISCAL YEAR	QTY	UNIT COST	LOCATION OF PCO	CONTRACT METHOD TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAIL NOW?	DATE REVIS AVAIL	
6. Joint Threat Warning System A. Ground Variant FY 00	1	600.000	SPAWARSYSCEN Charleston, SC	Various	Various	JAN 00	DEC 00	YES		
7. SOF Intelligence Vehicle (SOFIV) A. PME - SOF IV Evolutionary Technology Insertion FY 99	7	553.977	Various	Various	Various	Various	Various	YES		
FY 00	5	520.228	Various	Various	Various	Various	Various	YES		
8. SPECIAL OPERATIONS TACTICAL VIDEO SYSTEM A. PME - SV1A FY 01	101	46.680	USSOCOM	Various	Various	NOV 00	APR 01	YES		
B. Prime Mission Equipment (PME) - SV1B FY 01	5	35.160	USSOCOM	Various	Various	APR 01	OCT 01	YES		
D. Low Rate Initial Production (LRIP) - SV1A FY 00	10	45.000	USSOCOM	Various	Various	MAR 00	OCT 00	YES		
E. LRIP - SV1B FY 01	4	35.160	USSOCOM	Various	Various	NOV 00	APR 01	YES		
G. Tactical Reconnaissance Kit FY 99	1	748.000	USSOCOM	Various	Various	MAR 00	SEP 00	YES		
D. REMARKS										



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BUDGET ITEM JUSTIFICATION SHEET						DATE FEBRUARY 2000		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2			P-1 ITEM NOMENCLATURE SMALL ARMS AND WEAPONS					
	Prior Years	FY99	FY00	FY01	FY02	FY03	FY04	FY05
QUANTITY								
COST (In Millions \$)	50.469	10.120	25.120	11.829	5.146	7.170	6.939	15.612

**MISSION AND DESCRIPTION:** The Small Arms and Weapons line item provides small arms and combat equipment in support of Special Operations Forces (SOF), to include: Army Rangers, Army Special Forces, Navy Sea, Air, Land (SEALS), Navy special boat units, and Air Force Special Tactics Operators. This budget line procures a variety of weapons and equipment to include; M4A1 SOF Carbine and Accessory Kit, Naval Special Warfare (NSW) Peculiar Weapons, SOF Personal Equipment Advanced Requirements, SOF Laser Marker, Lightweight Thermal Imager, Improved Night/Day Observation/Fire Control Device, and Heavy Sniper Rifle.

1. NSW Peculiar Weapons. Provides a variety of weapons, support equipment, and replacement parts. Provides support equipment such as gun mounts, stands, and installation kits for boat backfit or modification; purpose code replacement and/or follow-on procurement of unique weapons to maintain inventory; and product improvements to existing weapons in inventory.

**FY 2001 PROGRAM JUSTIFICATION:** Procures MK 93 tri-purpose M60/40MM/.50 Cal boat gun mounts.

2. SOF Weapons Mods and Support Equipment. Provides small arms weapons and accessories to the individual SOF operator, enabling him to tailor the configuration of his weaponry to the assigned mission and operational environment. This line includes the SOF Peculiar Modification to the M4 Carbine (SOPMODM-4), also known as the M4A1 Carbine. This weapon has full automatic fire capability vice the three round burst of the Army standard M4. This line also includes the M4A1 carbine accessory kit which consists of a 4X day scope, 40mm quick attach/detach grenade launcher w/sight, a forward handgrip, infrared laser aiming light/illuminator, visible aiming light, flashlight, suppressor, close quarters battle sight, rail interface system, night scope, and storage case.

**FY 2001 PROGRAM JUSTIFICATION:** Procures SOPMODM-4 accessory kit items to meet the inventory objective.

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BUDGET ITEM JUSTIFICATION SHEET		DATE
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2	P-1 ITEM NOMENCLATURE SMALL ARMS AND WEAPONS	
<p>3. Special Operations Forces (SOF) Personal Equipment Advanced Requirements. Provides funding for the acquisition of SOF-unique, state-of-the-art, individual operator equipment in eight functional areas including lightweight environmental protective clothing, Body Armor/Load Carriage System (BALCS), Modular Integrated Communications Helmet, modular target identification and acquisition, team platoon command, control, communications, computer and intelligence, ballistic/laser eyewear, signature management, and physiological management.</p> <p>FY 2001 PROGRAM JUSTIFICATION: Procures lightweight environmental protective handwear and headgear to meet the inventory objectives and additional BALCS systems.</p> <p>4. Lightweight Thermal Imager (LTI). LTI provides long range thermal observation and fire control for small arms weapons under day/night conditions and in the presence of obscurants.</p> <p>5. Improved Night/Day Observation/Fire Control Device (INOD). Provides the SOF sniper with a lightweight, low signature, fire control and observation device which allows him to detect, acquire, and engage targets out to his weapon's maximum effective range under day/night conditions. Precludes the need to carry two devices (one for day operations, one for night operations). Allows the sniper to go from day to night operations without re-zeroing.</p> <p>FY 2001 PROGRAM JUSTIFICATION: Procures INODs to meet the inventory objective.</p> <p>6. Heavy Sniper Rifle (HSR). HSR provides SOF with a standoff engagement capability against various materiel targets such as parked aircraft, command, control, communications and intelligence sites, radar equipment, ammunition storage facilities, fuel storage facilities, and light armored vehicles. Allows SOF operators to engage materiel targets at long range before enemy security forces can react.</p> <p>FY 2001 PROGRAM JUSTIFICATION: Procures HSRs to meet the inventory objectives for war reserve and training.</p>		

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BUDGET ITEM JUSTIFICATION SHEET		DATE FEBRUARY 2000
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2	P-1 ITEM NOMENCLATURE SMALL ARMS AND WEAPONS	
<p>7. 5.56 Lightweight Machine Gun (LMG). Program acquires for Sea, Air, Land (SEAL) units 5.56mm lightweight machine guns. The LMG will be lightweight, portable, have a cyclic firing rate of 500 rounds per minute, and be corrosion resistant. The LMG will increase SEAL unit's organic suppressive firepower without increasing carry weight attributed to weapon and ammunition.</p> <p>FY 2001 PROGRAM JUSTIFICATION: Procures 5.56 LMGs to meet inventory objective.</p> <p>8. Night Star Binoculars. Program acquires hand-held viewing binoculars. System incorporates image intensifier tube, laser range finder, and digital compass. Binocular range is 20 to 2000 meters. System is useable only during night operations. This is an unsolicited congressional plus up for a one-time procurement for Special Forces Command located in North Carolina.</p>		

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COST ANALYSIS EXHIBIT (P-5) - Other Procurement		A. Appropriation/Budget Activity Title/No. Procurement, Defense-Wide/Proc. Just./2		B. Line Item Nomenclature SOF SMALL ARMS AND WEAPONS			C. DATE: FEBRUARY 2000		
Work Breakdown Structure		FY 1999		FY 2000		FY 2001			
Cost Elements (\$ thousands)		Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost		
1. NAVAL SPECIAL WARFARE PECULIAR WEAPONS									
A. Waterproof Night Vision Goggles				7.500	1,503				
B. Mounts				2.523	14	2.523	474		
Subtotal					1,517		474		
2. SPECIAL OPERATIONS FORCES (SOF) WPNS MODS & SPT EQUIP									
A. SOF Peculiar Mod to the MR Carbine (SOPMODM-4) Kit II						10.000	2,360		
B. Production Support			313		59		847		
C. SOPMODM-4 Kits				8.000	128				
D. M4 Carbine Nightscopes		4.000	1,200	4.000	5,480				
Subtotal			1,513		5,667		3,207		
3. SOF PERSONAL EQUIP ADV REQ									
A. Lightweight Environmental Protective Clothing						0.400	1,025		
B. Body Armor/Load Carriage System		2.621	5,725	2.700	5,256	2.700	3,319		
C. Modular Integrated Comm Helmet				1.000	1,021				
Subtotal			5,725		6,277		4,344		
4. LIGHTWEIGHT THERMAL IMAGER									
A. Hardware		21.800	1,970	21.800	1,783				
Subtotal			1,970		1,783				
5. IMPROVED NIGHT/DAY OBSERVATION/FIRE CONTROL DEVICE									
A. Hardware		10.133	912	9.771	4,074	9.429	3,185		
Subtotal			912		4,074		3,185		
6. HEAVY SNIPER RIFLE									
A. Hardware				10.400	1,800	10.400	428		
B. Ammo				0.007	215				
Subtotal					2,015		428		
7. 5.56 LIGHTWEIGHT MACHINE GUN									
A. Hardware				4.000	1,520	4.000	180		
B. Production Support					312		11		
Subtotal					1,832		191		
8. NIGHT STAR BINOCULARS									



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BUDGET PROCUREMENT HISTORY AND PLANNING							A. DATE: FEBRUARY 2000			
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE-WIDE/2				C. P-1 ITEM NOMENCLATURE SOF SMALL ARMS AND WEAPONS						
LINE ITEM/ FISCAL YEAR	QTY	UNIT COST	LOCATION OF PCO	CONTRACT METHOD TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAIL NOW?	DATE REVIS AVAIL	
1. NAVAL SPECIAL WARFARE PECULIAR WEAPONS										
A. Waterproof Night Vision Goggles										
FY 00	200	7.500	NSWC Crane	MIPR	NSWC Crane Div Crane, IN	MAR 00	MAR 01	YES		
B. Mounts										
FY 00	6	2.523	NSWC Crane	MIPR	NSWC Crane Div Crane, IN	JUN 00	JAN 01	YES		
(MK 93 Tri-Purpose M60/40MM/.50 Cal)										
FY 01	188	2.523	NSWC Crane	MIPR	NSWC Crane Div Crane, IN	JUN 01	JAN 00	YES		
(MK 93 Tri-Purpose M60/40MM/.50 Cal)										
2. SOF WEAPONS MODS & SUPPORT EQUIP										
A. Special Operations Forces (SOF) Peculiar Mod to the M4 Carbine (SOPMODM-4) Kit II										
FY 01	236	10.000	NSWC Crane	C/FP	Various	DEC 00	JAN 01	YES		
C. SOPMODM-4 Kits										
FY 00	16	8.000	NSWC Crane	C/FP	Various	OCT 99	JAN 00	YES		
D. M4 Carbine Night Scopes										
FY 99	300	4.000	NSWC Crane	C/FP	Litton E-O Systems Tempe, AZ	OCT 99	DEC 99	YES		
FY 00	1,375	4.000	NSWC Crane	Option/FP	Litton E-O Systems Tempe, AZ	DEC 99	FEB 00	YES		
3. SOF PERSONAL EQUIP ADV REQ										
A. Lightweight Environmental Protective Clothing										
FY 01	2,563	0.400	USSOCOM	C/FP (ID)/(IQ)	TBD	MAR 01	MAR 02	YES		
B. Body Armor/Load Carriage System										
FY 99	2,184	2.621	USSOCOM	Option/FP	Various	OCT 98	SEP 99	YES		
D. REMARKS										



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BUDGET PROCUREMENT HISTORY AND PLANNING							A. DATE: FEBRUARY 2000			
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE-WIDE/2				C. P-1 ITEM NOMENCLATURE SOF SMALL ARMS AND WEAPONS						
LINE ITEM/ FISCAL YEAR	QTY	UNIT COST	LOCATION OF PCO	CONTRACT METHOD TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAIL NOW?	DATE REVIS AVAIL	
3. SPECIAL OPERATIONS FORCES PERSONAL EQUIP ADV REQ (Cont)										
B. Body Armor/Load Carriage System (Cont)										
FY 00	1,947	2.700	USSOCOM	Option/FP	Various	OCT 99	DEC 99	YES		
FY 01	1,229	2.700	USSOCOM	Option/FP	Various	OCT 00	NOV 00	YES		
C. Modular Integrated Comm Helmet										
FY 00	1,021	1.000	USSOCOM	C/FP (ID/(IQ)	TBD	DEC 99	MAR 00	NO	NOV 00	
4. LIGHTWEIGHT THERMAL IMAGER										
A. Hardware										
FY 99	90	21.800	USA PM/NVRSTA	C/FP	TBD	FEB 00	MAR 00	YES		
FY 00	82	21.800	USA PM/NVRSTA	Option/FP	TBD	NOV 00	JUN 01	YES		
5. IMPROVED NIGHT/DAY OBSERVATION/FIRE CONTROL DEVICE										
A. Hardware										
FY 99	90	10.133	USA PM/NVRSTA	Option/FP	ITT, Inc. Roanoke, VA	MAR 99	JUL 00	NO	MAR 00	
FY 00	417	9.771	USA PM/NVRSTA	Option/FP	ITT, Inc. Roanoke, VA	MAR 00	JUL 00	NO	MAR 00	
FY 01	338	9.429	USA PM/NVRSTA	Option/FP	ITT, Inc.	DEC 00	FEB 01	NO	OCT 00	
6. HEAVY SNIPER RIFLE										
A. Hardware										
FY 00	173	10.400	USA PM SMALL ARMS	C/FP	TBD	MAY 00	JAN 01	NO	NOV 00	
FY 01	41	10.400	USA PM SMALL ARMS	Option/FP	TBD	MAY 01	JAN 02	NO	NOV 00	
D. REMARKS:										

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BUDGET PROCUREMENT HISTORY AND PLANNING							A. DATE: FEBRUARY 2000			
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE-WIDE/2				C. P-1 ITEM NOMENCLATURE SOF SMALL ARMS AND WEAPONS						
LINE ITEM/ FISCAL YEAR	QTY	UNIT COST	LOCATION OF PCO	CONTRACT METHOD TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAIL NOW?	DATE REVIS AVAIL	
6. HEAVY SNIPER RIFLE (Cont.) B. Ammo FY 00	30,714	0.007	USA PM SMALL ARMS	Option/FP	TBD	DEC 99	MAR 00	NO	NOV 00	
7. 5.56 LIGHTWEIGHT MACHINE GUN A. Hardware FY 00	380	4.000	NSWC Crane	C/FP	TBD	AUG 00	JAN 01	NO	JUN 00	
FY 01	45	4.000	NSWC Crane	Option/FP	TBD	JAN 01	JUN 01	NO	JUN 00	
8. NIGHT STAR BINOCULARS A. Hardware FY 00	193	10.000	USA PM/ NVRSTA	SS	DRS Optronics, Palm Bay, FL	MAR 00	SEP 01	YES	JUN 00	
D. REMARKS										

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BUDGET ITEM JUSTIFICATION SHEET						DATE FEBRUARY 2000		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2			P-1 ITEM NOMENCLATURE MARITIME EQUIPMENT MODIFICATIONS					
	Prior Years	FY99	FY00	FY01	FY02	FY03	FY04	FY05
QUANTITY								
COST (In Millions \$)	30.924	16.871	2.167	.909	.359	.450	.417	.507

**MISSION AND DESCRIPTION:** The Maritime Equipment Modification line item provides for Patrol Coastal (PC) and MK V Special Operations Craft (SOC) maritime modifications.

1. PC. Program provides for numerous modifications to the Cyclone Class PC ships. The modifications correct performance deficiencies identified through testing and/or operation. The upgrades improve situational awareness, self-defense capabilities, ship handling, speed, and human factors.

**FY 2001 PROGRAM JUSTIFICATION:** Upgrades existing Integrated Bridge System (IBS) to incorporate evolving technologies to include an Electronic Chart Display Information System (Navy compliance) which will incorporate visual line of bearing integration, radar overlay capability, operator interface improvements and hardware upgrades for faster processing, display and dissemination of IBS data. Provides for installation of main propulsion diesel engine noise reduction, which reduces noise levels. This will eliminate the requirement of double hearing protection and allow watchstanders longer duration in the engine rooms.

2. MK V SOC. Program provides pre-planned product improvements to baseline (craft) capabilities in the areas of weapons, electronics, and night vision. Improved weapons/mounts include, but are not limited to, GAU-17 (7.62MM) mini-guns, MK38 (25MM) chain guns, and MK95 (twin .50 cal) mounts. Night vision improvements center on a forward looking infrared capability to enhance MK V nighttime situational awareness, self-defense, and navigation.

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## BUDGET ITEM JUSTIFICATION SHEET

DATE FEBRUARY 2000

APPROPRIATION / BUDGET ACTIVITY  
PROCUREMENT, DEFENSE - WIDE / 2P-1 ITEM NOMENCLATURE  
MARITIME EQUIPMENT MODIFICATIONS

## MODIFICATION SUMMARY

<u>DESCRIPTION</u>	<u>Prior Years</u>	<u>FY99</u>	<u>FY00</u>	<u>FY01</u>	<u>FY02</u>	<u>FY03</u>	<u>FY04</u>	<u>FY05</u>
1. PC Command and Control Software Upgrades			.228	.253	.216	.333	.308	.375
2. PC Future Communications Modifications			.581	.244	.143	.117	.109	.132
3. PC Main Propulsion Diesel Engine Noise Treatment			1.358	.412				
4. PC Command and Control Software Upgrades	2.312	.504						
5. PC Stern Flap Modification	.025							
6. PC Active Noise Cancellation	.926							
7. PC Propeller Upgrade	1.308							
8. PC Communications Alterations	2.827	.183						
9. PC Forward Looking Infrared Upgrade		3.100						
10. MK V Special Operations Craft (SOC) Weapons	7.026	1.207						
11. MK V SOC Forward Looking Infrared	3.768	11.877						
<b>SUBTOTAL FOR MODS</b>	<b>18.192</b>	<b>16.871</b>	<b>2.167</b>	<b>.909</b>	<b>.359</b>	<b>.450</b>	<b>.417</b>	<b>.507</b>



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BUDGET ITEM JUSTIFICATION SHEET				DATE FEBRUARY 2000				
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2			P-1 ITEM NOMENCLATURE NAVAL SPECIAL WARFARE RIGID INFLATABLE BOAT					
	Prior Years	FY99	FY00	FY01	FY02	FY03	FY04	FY05
QUANTITY								
COST (In Millions \$)	12.562	14.869						
<p>MISSION AND DESCRIPTION: The Naval Special Warfare Rigid Inflatable Boat (NSW RIB) line item provides a short range surface mobility platform for Special Operations Forces (SOF) insertion and extraction and replaces the Special Warfare Craft (Light), or SEAFOX, and earlier RIBs which have ended their service life. The program supports the procurement of craft, trailers, prime movers, deployment packages, contractor logistics, and engineering support. The NSW RIB line item has been renamed SOF Combatant Craft Systems beginning in FY 2000.</p>								

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BUDGET ITEM JUSTIFICATION SHEET						DATE FEBRUARY 2000		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2			P-1 ITEM NOMENCLATURE SOF COMBATANT CRAFT SYSTEMS					
	Prior Years	FY99	FY00	FY01	FY02	FY03	FY04	FY05
QUANTITY								
COST (In Millions \$)			18.635	14.511	11.896	12.329	16.241	17.625
<p><b>MISSION AND DESCRIPTION:</b> The Special Operations Forces (SOF) Combatant Craft Systems line item serves as the umbrella for all USSOCOM combatant craft programs. Currently, it incorporates the Naval Special Warfare Rigid Inflatable Boat (NSW RIB) and the Special Operations Craft-Riverine (SOC-R) programs. It will also include the next generation craft replacement program for the Mark V Special Operations Craft.</p> <p>1. NSW RIB. The NSW RIB program provides a short-range surface mobility platform for SOF insertion and extraction and replaced the Special Warfare Craft (Light), or SEAFOX, and other RIBs which have ended service life. The program supports the procurement of RIBs, trailers, deployment packages, outfitting, and prime movers.</p> <p><b>FY 2001 PROGRAM JUSTIFICATION:</b> Procures NSW RIBs with deployment packages. Also funds government furnished equipment and prime movers.</p> <p>2. Special Operations Craft-Riverine. This program was formerly the Riverine Replacement Craft. The armored riverine craft will provide SOF with the capability to insert and extract SOF in the riverine environment. It replaces the Vietnam-era MK II Patrol Boat, Riverine and Mini-Armored Troop Carrier. The craft is capable of navigating coastal, restricted and shallow rivers, estuaries, bays and the littoral, and carry light organic arms. It is also capable of being transported and air-dropped by C-130 aircraft.</p> <p><b>FY 2001 PROGRAM JUSTIFICATION:</b> Commence low rate initial production of armored boats and trailers, prime movers, deployment packages, outfitting, navigation systems, identification of friend or foe systems, and support equipment.</p>								





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BUDGET PROCUREMENT HISTORY AND PLANNING				A. DATE: FEBRUARY 2000					
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE-WIDE/2				C. P-1 ITEM NOMENCLATURE SOF COMBATANT CRAFT SYSTEMS					
LINE ITEM/ FISCAL YEAR	QTY	UNIT COST	LOCATION OF PCO	CONTRACT METHOD TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAIL NOW?	DATE REVIS AVAIL
1. NAVAL SPECIAL WARFARE RIGID INFLATABLE BOAT									
A. Boats/Trailers									
FY 00	16	472.563	USSOCOM	FFP/Option	US Marine, Inc New Orleans, LA	NOV 99	APR 00	YES	
FY 01	10	474.600	USSOCOM	FFP/Option	US Marine, Inc New Orleans, LA	NOV 00	JUN 01	YES	
B. Deployment Packages									
FY 00	8	418.125	USSOCOM	FFP/Option	US Marine, Inc New Orleans, LA	NOV 99	APR 00	YES	
FY 01	5	416.600	USSOCOM	FFP/Option	US Marine, Inc New Orleans, LA	NOV 00	JUN 01	YES	
C. Prime Movers									
FY 01	17	94.118	GSA	MIPR	Unknown	DEC 00	JUN 01	YES	
2. RIVERINE CRAFT									
A. Boats/Trailers									
FY 00	8	590.000	USSOCOM	FFP	Unknown	JUN 00	DEC 00	NO	
FY 01	6	602.000	USSOCOM	FFP	Unknown	MAR 01	DEC 01	NO	
B. Deployment Package									
FY 00	4	260.000	USSOCOM	FFP	Unknown	JUN 00	DEC 00	NO	
FY 01	3	265.333	USSOCOM	FFP	Unknown	MAR 01	DEC 01	NO	
C. Prime Movers									
FY 00	8	85.000	GSA	MIPR	Unknown	JUN 00	DEC 00	NO	
FY 01	6	87.000	GSA	MIPR	Unknown	DEC 00	JUN 01	NO	
D. REMARKS									

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BUDGET ITEM JUSTIFICATION SHEET						DATE FEBRUARY 2000		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2			P-1 ITEM NOMENCLATURE SPARES AND REPAIR PARTS					
	Prior Years	FY99	FY00	FY01	FY02	FY03	FY04	FY05
QUANTITY								
COST (In Millions \$)	103.806	32.870	27.751	11.780	7.944	8.114	3.963	5.209

**MISSION AND DESCRIPTION:** The Spares and Repair Parts line item consolidates spares and repair parts funding into a single line item, rather than having the funding spread across several line items.

**Aircraft Initial Spares.** This program finances both initial weapon system and aircraft modification spares for Special Operations Forces (SOF) fixed and rotary wing aircraft. Initial weapon system spares include new production spares, peculiar support equipment spares, and upgrades to existing spares required to support initial operations of new aircraft and increases in the inventory of additional end items. Aircraft modification spares include new spare parts required during the initial operation of modified airborne systems.

**FY 2001 PROGRAM JUSTIFICATION:** Per Defense Management Review Decision 904 and in accordance with Air Force policy, these funds reimburse the Air Force Stock fund for SOF initial spares provisioned with Air Force Stock fund obligation authority.



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BUDGET ITEM JUSTIFICATION SHEET						DATE FEBRUARY 2000		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2			P-1 ITEM NOMENCLATURE SOF MARITIME EQUIPMENT					
	Prior Years	FY99	FY00	FY01	FY02	FY03	FY04	FY05
QUANTITY								
COST (In Millions \$)	66.132	.587	4.913	5.801	1.816	.551	.566	.483

**MISSION AND DESCRIPTION:** The Special Operations Forces Maritime Equipment line item provides necessary equipment to enable the Naval Special Warfare (NSW) Command to meet specific requirements for the execution of special operations and fleet support missions as the Naval Component of the U.S. Special Operations Command. These elite forces are called upon to perform difficult life threatening missions that require modern and safe equipment. Numerous items of equipment, such as small craft, open and closed circuit scuba equipment and mine countermeasure equipment, are required for the NSW component to execute their unique, special operations missions.

**Undersea Subsystems.** The program funds emergent Dry Deck Shelter (DDS) field changes, which improve diver/submarine safety and enhance mission success, and the Non-Gasoline Burning Outboard Engine, which improves safety of transport aboard military vessels and aircraft. This program also procures Autonomous Underwater Vehicles and Hydrographic Reconnaissance Systems which will support NSW mine countermeasure activities, and procures Swimmer Transport Devices (STDs) which will provide undersea transport of combat swimmers.

**FY 2001 PROGRAM JUSTIFICATION:** Replaces aging/deteriorating DDS components, no longer supportable, with new commercially available components. Modifies supporting structure to enable installation and updates configuration control documentation and technical manuals to reflect changes. Procures the Semi-Autonomous Hydrographic Reconnaissance Vehicle and the Hydrographic Reconnaissance Littoral Mapping Device in support of NSW mine countermeasures. Procures STDs to provide undersea transport of combat swimmers when the distance from the delivery vehicle to the target area or landing site is excessive.



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BUDGET PROCUREMENT HISTORY AND PLANNING							A. DATE: FEBRUARY 2000		
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE-WIDE/2				C. P-1 ITEM NOMENCLATURE SOF MARITIME EQUIPMENT					
LINE ITEM/ FISCAL YEAR	QTY	UNIT COST	LOCATION OF PCO	CONTRACT METHOD TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAIL NOW?	DATE REVIS AVAIL
I. UNDERSEA SUBSYSTEMS									
B. Non-Gasoline Burning Onboard/Engine FY 00	250	10.684	Coastal Systems Station	SS/FFP	OMC, Waukegan, IL	JUN 00	NOV 00	YES	
D. Naval Special Warfare Mine Countermeasures									
(1) Semi-Autonomous Hydrographic Reconnaissance Vehicle FY 00	6	263.833	NAVSEA	SS/FFP	TBD	JUN 00	MAR 01	NO	
FY 01	8	248.375	NAVSEA	C/FFP/Option	TBD	DEC 00	SEP 01	NO	
(2) Hydrographic Reconnaissance Littoral Mapping Device FY 01	110	20.591	NAVSEA	C/FFP	TBD	JUN 01	JAN 02	NO	
D. REMARKS									

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BUDGET ITEM JUSTIFICATION SHEET						DATE FEBRUARY 2000		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2			P-1 ITEM NOMENCLATURE MISCELLANEOUS EQUIPMENT					
	Prior Years	FY99	FY00	FY01	FY02	FY03	FY04	FY05
QUANTITY								
COST (In Millions \$)	36.753	10.565	10.000	14.376	5.562	5.608	5.730	6.099

**MISSION AND DESCRIPTION:** The Miscellaneous Equipment line item provides for various types of equipment required to support Special Operations Forces (SOF). The line consists of relatively low cost procurements that do not reasonably fit in other USSOCOM procurement line item categories. Examples are joint operational stocks, active noise reduction, civil engineering support equipment and Naval Special Warfare (NSW) sustainment equipment.

1. Joint Operational Stocks (JOS). JOS is a USSOCOM managed stock of materiel designed to provide SOF access to immediately available equipment in support of real-world, contingency and training missions. The equipment contained within JOS generally falls into one of the following categories: night vision devices and optics, weapons, communications, personnel protection, and bare base support. The JOS inventory is maintained, stored and issued through the SOF Support Activity located in Lexington, KY.

**FY 2001 PROGRAM JUSTIFICATION:** Procurement funds will be used to resolve authorization shortfalls, particularly those with high customer demands and low fill rates (i.e., communications and bare base support equipment).

2. 75th Ranger Collateral Equipment. Provides collateral equipment for the 75th Ranger Headquarters Facility, MILCON project #42134.

**FY 2001 PROGRAM JUSTIFICATION:** Procures of collateral equipment for the 75th Ranger Headquarters Facility.

3. Navy Civil Engineering Support Equipment. Funding procures authorized vehicles and construction/maintenance equipment in support of NSW requirements.

**FY 2001 PROGRAM JUSTIFICATION:** Continued procurement of vehicles and construction/maintenance equipment in accordance with

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BUDGET ITEM JUSTIFICATION SHEET		DATE FEBRUARY 2000
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2	P-1 ITEM NOMENCLATURE MISCELLANEOUS EQUIPMENT	
<p>authorized inventory objectives.</p> <p>4. Naval Special Warfare (NSW) Sustainment Equipment. Procures investment sustainment items for NSW headquarters and subordinate commands. Items included within this line are replacement diving boats and administrative support equipment.</p> <p>FY 2001 PROGRAM JUSTIFICATION: Continued procurement of NSW investment sustainment items.</p> <p>5. Collateral Equipment. Provides collateral equipment for various MILCON projects.</p> <p>FY 2001 PROGRAM JUSTIFICATION: Collateral equipment is for the transfer of the Navy Small Craft Instruction and Technical Training School (NAVSCIATTS) to Stennis, Mississippi.</p> <p>6. NSW Peculiar Weapons. Provides weapons, parts, and support items such as gun mounts, sniper scopes, suppressors, and ancillary equipment.</p> <p>FY 2001 PROGRAM JUSTIFICATION: Procures replacement weapons including .357 cal revolvers, assault rifles, and .300 Winmag rifles, replacement parts, sniper scopes, suppressors, and ancillary equipment.</p>		





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BUDGET ITEM JUSTIFICATION SHEET						DATE FEBRUARY 2000		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2			P-1 ITEM NOMENCLATURE SOF PLANNING AND REHEARSAL SYSTEM					
	Prior Years	FY99	FY00	FY01	FY02	FY03	FY04	FY05
QUANTITY								
COST (In Millions \$)	21.019	.610	2.414	2.021	1.438	.923	.941	.565
<p><b>MISSION AND DESCRIPTION:</b> The Special Operations Forces Planning and Rehearsal System (SOFPARS) line item funds integrated family of mission planning systems supported by intelligence databases and imagery. SOFPARS will be used by planners within the Special Operations Forces (SOF) command structure world-wide to plan and preview SOF missions. Major areas requiring automated support include data access and management, information fusion, image exploitation, mission planning (to include contingency planning) and mission preview. SOFPARS develops and procures mission planners for aviation, ground and maritime components, and consists of unit/force level systems (transportable) capable of utilizing data transfer modules for platform mission computer initialization and element systems (portable). SOFPARS focuses on joint requirements to ensure interoperability and standardization of the SOF mission planning process.</p> <p><b>FY 2001 PROGRAM JUSTIFICATION:</b> Procures 193 laptop mission planning systems and 4 deployable planning cells. Continues life cycle replacement.</p>								



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BUDGET PROCUREMENT HISTORY AND PLANNING							A. DATE: FEBRUARY 2000		
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE-WIDE/2				C. P-1 ITEM NOMENCLATURE SOF PLANNING AND REHEARSAL SYSTEM (SOFPARS)					
LINE ITEM/ FISCAL YEAR	QTY	UNIT COST	LOCATION OF PCO	CONTRACT METHOD TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAIL NOW?	DATE REVIS AVAIL
1. DEPLOYABLE SYSTEMS FY 01	4	30.000	SOFPM MPS, Ft. Eustis, VA	C/FFP	TBD	JAN 01	APR 01	*N/A	
2. PORTABLE SYSTEMS FY 99	5	38.000	SOFPM MPS, Ft. Eustis, VA	C/FFP	Dell/Toshiba Texas/Japan	OCT 99	DEC 99	*N/A	
4. PC FLIGHT PLANNING SYSTEMS FY 99	23	15.348	SOFPM MPS, Ft. Eustis, VA	C/FFP	Dell/Toshiba Texas/Japan	OCT 99	DEC 99	*N/A	
FY 00	188	11.968	SOFPM MPS, Ft. Eustis, VA	C/FFP	Dell/Toshiba Texas/Japan	JAN 00	APR 00	*N/A	
FY 01	193	8.798	SOFPM MPS, Ft. Eustis, VA	C/FFP	TBD	JAN 01	APR 01	*N/A	
D. REMARKS: * N/A because systems are commercial off the shelf computers.									

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BUDGET ITEM JUSTIFICATION SHEET						DATE FEBRUARY 2000		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2			P-1 ITEM NOMENCLATURE PSYOP EQUIPMENT					
	Prior Years	FY99	FY00	FY01	FY02	FY03	FY04	FY05
QUANTITY								
COST (In Millions \$)	39.685	12.316	11.631	7.575	7.882	6.504	13.044	13.767

**MISSION AND DESCRIPTION:** The PSYOP Equipment line item provides for the acquisition of Psychological Operations (PSYOP) equipment. The purpose of PSYOP is to induce or reinforce foreign or hostile attitudes and behavior favorable to U.S. national objectives. New and emerging national, regional, and ethnic power groupings and religious fanaticism have increased threats of terrorism, insurgency, instability, and subversion. Successful PSYOP can lower the morale and reduce the efficiency of enemy forces and create dissidence and disaffection within their ranks.

**OPERATIONAL ELEMENT (TEAM)**

1. Family of Loudspeakers (FOL). The FOL will consist of modular amplifiers and speakers that can be interconnected to form sets of loudspeakers that will provide high quality recorded audio, live dissemination, and acoustic deception capability. FOL will be transported, operated, and mounted in ground vehicles, watercraft, and rotary wing aircraft, and dismounted for ground operations (tripod/manpack). FOL will replace current AN/UIH-6 (250 watt) Public Address System; AN/UIH-6A (450 watt); AEM-1492D (900 watt); and LSS-40 (AN/PIH-1) portable loudspeakers. FOL will permit the conduct of loudspeaker missions over larger areas than present equipment capability and will provide a greater stand-off distance for U. S. Forces/assets.

2. Leaflet Delivery System (LDS). LDS is a family of systems that provides PSYOP forces the ability to safely and accurately disseminate small to large quantities of PSYOP products (leaflets) over small to large area targets in all threat environments. LDS includes remote-controlled systems which can be employed from perimeter areas; payloads which can be delivered from unmanned aerial vehicles; and high altitude low opening delivery systems delivered by manned aircraft. In order to accurately deliver leaflets in denied, hostile, or remote areas, some LDS will require homing and guidance systems, timers, and barometric devices for activating at pre-designated altitudes and locations. The LDS family will be varied to allow PSYOP and supporting forces to choose the appropriate system for product dissemination based on policy, operational

BUDGET ITEM JUSTIFICATION SHEET		DATE FEBRUARY 2000
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2	P-1 ITEM NOMENCLATURE PSYOP EQUIPMENT	
<p>requirements, delivery platform availability, and environmental restrictions such as wind velocities and hostile fire.</p> <p>FY 2001 PROGRAM JUSTIFICATION: Acquires 7 Wind Supported Air Delivery Systems.</p> <p>ABOVE OPERATIONAL ELEMENT (DEPLOYED)</p> <p>3. Special Operations Media System (SOMS)B. SOMS B is a rapid deployable, C-130 drive on/drive off tactical radio/TV transmission, reception and electronic news gathering system. This system replaces 1950 - 1960s technology and enhances the capability to conduct tactical level Psychological Operations (PSYOP) dissemination in support of regional unified commanders. SOMS B reduces airlift requirement from 7 C-130 aircraft to two C-130 aircraft. SOMS B consists of two independently deployable subsystems. The first subsystem is the Mobile Television Broadcast System (MTBS) which provides the capability to produce and broadcast television products within a tactical region. The second subsystem is the Mobile Radio Broadcast System (MRBS) which provides the capability to produce and broadcast radio products within a tactical region.</p> <p>FY 2001 PROGRAM JUSTIFICATION: Continues evolutionary technology insertions for the MRBS and MTBS.</p> <p>4. PSYOP Broadcasting System (POBS). POBS consists of wide-area, multi-media systems providing radio and television programming production, distribution and dissemination support to the theater commander. POBS is comprised of several interfacing systems that can stand alone or interoperate with other PSYOP systems as determined by mission requirements. POBS will include: a PSYOP Distribution System (PDS) that will provide a program link to sites worldwide; long-range broadcast capabilities such as, but not limited to, direct broadcast satellites, repeaters, and ground and sea-based transmitters; an upgraded fixed-site Media Production Center (MPC); a Deployable Theater MPC; and lightweight and fly-away systems consisting of any combination of AM transmitters, FM transmitters, and/or television transmitters.</p> <p>FY 2001 PROGRAM JUSTIFICATION: Acquires 2 PDS receive/only (R/O) terminals and 3 PDS receive/transmit terminals.</p>		

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COST ANALYSIS EXHIBIT (P-5) - Other Procurement		A. Appropriation/Budget Activity Title/No. Procurement, Defense-Wide/Proc. Just./2				B. Line Item Nomenclature PSYOP EQUIPMENT		C. DATE: FEBRUARY 2000					
Work Breakdown Structure		FY 1999		FY 2000		FY 2001							
Cost Elements (\$thousands)		Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost						
<b>1. FAMILY OF LOUDSPEAKERS</b>													
A. Manpack													
B. Vehicle/watercraft		22.755	7,896										
C. Aircraft				39.700	873								
D. Ancillary Equipment			1,463		519								
E. Initial Spares			165										
F. Engineering Change Order			289		200								
G. Data			129										
H. Production Support			841		238								
Subtotal			10,783		1,830		0						
<b>2. LEAFLET DELIVERY SYSTEM</b>													
A. Wind Supported Air Delivery System													
(1) Hardware				135.000	135	139.143	974						
(2) Engineering Change Order							29						
Subtotal					135		1,003						
<b>3. SPECIAL OPERATIONS MEDIA SYSTEM B</b>													
A. Mobile Television Broadcast System (MTBS)													
B. Mobile Radio Broadcast System (MRBS)													
C. PSYOPS Distribution System													
(1) Hardware		517.000	517										
D. Digital Video Distribution System													
(1) Hardware		181.000	181										
E. MRBS Evolutionary Technology Insertion (ETI) Block 1													
(1) AM Antenna Freq Range Imp		103.500	207	105.080	210	106.840	214						
(2) FM Transmission Improvements		87.975	176	89.327	179	90.814	182						
(3) SIMO FM Transmit and Receive Capability		36.225	72	36.950	74	37.650	75						
(4) Direct Broadcast Rec Capability		15.525	31	15.764	32	16.026	32						
F. MRBS ETI Block 2													
(1) Digital Production - Baseband				131.360	525	133.550	267						
H. MTBS ETI Block 1													
(1) Transmission Improvements		87.975	176	89.327	167	90.814	182						
(2) SIMO Transmit/Rec Capability		71.000	142	72.420	145	73.850	148						
(3) Direct Broadcast Rec Capability		15.525	31	15.764	32	16.026	32						
I. MTBS ETI Block 2													
(1) Digital Production				131.360	525	133.550	267						
(2) Digital Production - Non Linear Editor				126.100	757								

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COST ANALYSIS EXHIBIT (P-5) - Other Procurement		A. Appropriation/Budget Activity Title/No. Procurement, Defense-Wide/Proc. Just./2				B. Line Item Nomenclature PSYOP EQUIPMENT		C. DATE: FEBRUARY 2000			
Work Breakdown Structure		FY 1999		FY 2000		FY 2001					
Cost Elements (\$thousands)		Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost				
3. SPECIAL OPERATIONS MEDIA SYSTEM B (Cont)											
J. Mobile Television Broadcast System Evolutionary Technology Insertion Block 3											
(1) UHF Transmission				345.500	691						
K. Engineering Change Order							103				
Subtotal			1,533		3,337		1,502				
4. PSYOP BROADCASTING SYSTEM											
A. Theater Media Production Center (TMPC)											
(1) Hardware				5,003.316	5,003						
(2) Production Support, Fielding and Engineering Change Order (ECO)					251						
(3) Initial Spares					111		486				
B. PSYOP Distribution System (PDS)											
(1) TMPC PDS											
(2) PDS Receive Only				964.477	964	549.112	1,098				
(3) PDS Receive and Transmit						1,023.696	3,071				
(4) PDS Initial Spares and ECO							415				
Subtotal			0		6,329		5,070				
LINE ITEM TOTAL			12,316		11,631		7,575				



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BUDGET PROCUREMENT HISTORY AND PLANNING							A. DATE: FEBRUARY 2000			
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE-WIDE/2				C. P-1 ITEM NOMENCLATURE PSYOP EQUIPMENT						
LINE ITEM/ FISCAL YEAR	QTY	UNIT COST	LOCATION OF PCO	CONTRACT METHOD TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAIL NOW?	DATE REVIS AVAIL	
1. FAMILY OF LOUDSPEAKERS										
B. Vehicular/Watercraft										
FY 99	347	22.755	CECOM	Option	Raytheon E Systems Richardson, TX	JAN 99	AUG 99	YES		
C. Aircraft										
FY 00	22	39.700	CECOM	Option	Raytheon E Systems Richardson, TX	NOV 99	DEC 99	YES		
2. LEAFLET DELIVERY SYSTEM (LDS)										
A. Wind Supported Air Delivery System										
(1) Hardware										
FY 00	1	135.000	USSOCOM	Unknown	Options	OCT 99	MAR 00	NO	OCT 99	
FY 01	7	139.143	USSOCOM	Unknown	Options	OCT 00	MAR 01	NO	OCT 99	
3. SPECIAL OPERATIONS MEDIA SYSTEM-B										
C. Psyop Distribution System										
(1) Hardware										
FY 99	1	517.000	NAWC-AD	PO	Various	DEC 99	JUN 00	YES		
D. Digital Video Distribution System										
(1) Hardware										
FY 99	1	181.000	NAWC-AD	PO	Various	DEC 99	JUN 00	YES		
D. REMARKS:										

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BUDGET PROCUREMENT HISTORY AND PLANNING							A. DATE: FEBRUARY 2000			
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE-WIDE/2				C. P-1 ITEM NOMENCLATURE PSYOP EQUIPMENT						
LINE ITEM/ FISCAL YEAR	QTY	UNIT COST	LOCATION OF PCO	CONTRACT METHOD TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAIL NOW?	DATE REVIS AVAIL	
3. SPECIAL OPERATIONS MEDIA SYSTEM-B (Cont.)										
E. Mobil Radio Broadcast System Evolutionary Technology Insertion										
(1) AM Antenna Freq Range Imp FY 99	2	103.500	NAWC-AD	PO	Various	JUN 99	JAN 00	YES		
FY 00	2	105.080	NAWC-AD	PO	Various	NOV 99	JUN 00	YES		
FY01	2	106.840	NAWC-AD	PO	Various	NOV 00	JUN 01	YES		
(2) FM Transmission Improvements										
FY 99	2	87.975	NAWC-AD	PO	Various	JUN 99	JAN 00	YES		
FY 00	2	89.327	NAWC-AD	PO	Various	NOV 99	JUN 00	YES		
FY 01	2	90.814	NAWC-AD	PO	Various	NOV 00	JUN 01	YES		
(3) SIMO FM Transmit and Receive Capability										
FY 99	2	36.225	NAWC-AD	PO	Various	JUN 99	JAN 00	YES		
FY 00	2	36.950	NAWC-AD	PO	Various	NOV 99	JUN 00	YES		
FY 01	2	37.650	NAWC-AD	PO	Various	NOV 00	JUN 01	YES		
(4) Direct Broadcast Rec Capability										
FY 99	2	15.525	NAWC-AD	PO	Various	JUN 99	JAN 00	YES		
D. REMARKS:										

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BUDGET PROCUREMENT HISTORY AND PLANNING							A. DATE: FEBRUARY 2000			
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE-WIDE/2				C. P-1 ITEM NOMENCLATURE PSYOP EQUIPMENT						
LINE ITEM/ FISCAL YEAR	QTY	UNIT COST	LOCATION OF PCO	CONTRACT METHOD TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAIL NOW?	DATE REVIS AVAIL	
3. SPECIAL OPERATIONS MEDIA SYSTEM-B (Cont.)										
(4) Direct Broadcast Rec Capability (Cont.)										
FY 00	2	15.764	NAWC-AD	PO	Various	NOV 99	JUN 00	YES		
FY 01	2	16.026	NAWC-AD	PO	Various	NOV 00	JUN 01	YES		
F. Mobil Radio Broadcast System (MRBS) Evolutionary Technology Insertion (ETI) Block 2										
(1) Digital Production										
FY 00	4	131.360	NAWC-AD	PO	Various	JAN 00	AUG 00	YES		
FY 01	2	133.550	NAWC-AD	PO	Various	NOV 00	JUN 01	NO		
G. MRBS ETI Block 4										
(1) Hardware										
FY 00	2	1,182.000	NAWC-AD	PO	Various	NOV 99	JUN 00	NO	SEP 99	
H. Mobile Television Broadcast System ETI Block 1										
(1) Transmission Improvements										
FY 99	2	87.975	NAWC-AD	PO	Various	JUN 99	JAN 00	YES		
FY 00	2	89.327	NAWC-AD	PO	Various	NOV 99	JUN 00	YES		
FY 01	2	90.814	NAWC-AD	PO	Various	NOV 00	JUN 01	YES		
(2) SIMO Transmit/Receive Capability										
FY 99	2	71.000	NAWC-AD	PO	Various	JUN 99	JAN 00	YES		
FY 00	2	72.420	NAWC-AD	PO	Various	NOV 99	JUN 00	YES		
D. REMARKS:										

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BUDGET PROCUREMENT HISTORY AND PLANNING							A. DATE: FEBRUARY 2000			
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE-WIDE/2				C. P-1 ITEM NOMENCLATURE PSYOP EQUIPMENT						
LINE ITEM/ FISCAL YEAR	QTY	UNIT COST	LOCATION OF PCO	CONTRACT METHOD TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAIL NOW?	DATE REVIS AVAIL	
3. SPECIAL OPERATIONS MEDIA SYSTEM-B (Cont) (2) SIMO Transmit/Receive Capability (Cont) FY 01	2	73.850	NAWC-AD	PO	Various	NOV 00	JUN 01	YES		
(3) Direct Broadcast Rec Capability FY 99	2	15.525	NAWC-AD	PO	Various	JUN 99	JAN 00	YES		
FY 00	2	15.764	NAWC-AD	PO	Various	NOV 99	JUN 00	YES		
FY 01	2	16.026	NAWC-AD	PO	Various	NOV 00	JUN 01	YES		
I. Mobile Television Broadcast System (MTBS) Evolutionary Technology Insertion (ETI) Block 2										
(1) Digital Production - Baseband FY 00	4	131.600	NAWC-AD	PO	Various	JAN 00	AUG 00	YES		
FY 01	2	133.550	NAWC-AD	PO	Various	NOV 00	JUN 01	YES		
(2) Digital Production - Non Linear Editor FY 00	6	126.100	NAWC-AD	PO	Various	JAN 00	AUG 00	YES		
J. MTBS ETI Block 3										
(1) UHF Transmission FY 00	2	345.500	NAWC-AD	PO	Various	JAN 00	AUG 00	YES		
4. PYSOP BROADCASTING SYSTEM A. Theater Media Production Center (1) Hardware FY 00	1	5,003.316	NAWC-AD	PO	Various	JAN 00	FEB 01	YES		
D. REMARK:										

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BUDGET PROCUREMENT HISTORY AND PLANNING							A. DATE: FEBRUARY 2000			
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSE-WIDE/2				C. P-1 ITEM NOMENCLATURE PSYOP EQUIPMENT						
LINE ITEM/ FISCAL YEAR	QTY	UNIT COST	LOCATION OF PCO	CONTRACT METHOD TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAIL NOW?	DATE REVIS AVAIL	
B. PSYOP Distribution System (PDS)										
(1) TMPC PDS FY00	1	964.477	NAWC-AD	GSA	SSE Telecom Freemont, CA	FEB 00	SEP 00	YES		
(2) PDS Receive Only FY 01	2	549.112	NAWC-AD	GSA	SSE Telecom Freemont, CA	NOV 00	JUN 01	YES		
(3) PDS Receive and Transmit FY 01	3	1,023.696	NAWC-AD	GSA	SSE Telecom Freemont, CA	NOV 00	JUN 01	YES		
D. REMARKS:										