

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: PRIVATEER (MKV)

MODELS OF SYSTEMS AFFECTED: MKV

DESCRIPTION/JUSTIFICATION: PRIVATEER is part of an evolutionary signals intelligence systems migration and acquisition program. As a permanent ship board installation, it provides a full spectrum, passive electronic warfare capability for communications and radar early warning. Also includes an electronic attack capability for "ownership" self-defense.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: PDR: Aug 96; CDR: Oct 96; 1st trial install: 2nd Qtr FY97; 1st production install: 3rd Qtr FY98

FINANCIAL PLAN: (\$ in millions)

| | PYs | | FY98 | | FY99 | | FY00 | | FY01 | | FY02 | | FY03 | | FY04 | | FY05 | | TC | | TOTAL | |
|-------------------------------|-----|----|------|-----|------|-----|------|-----|------|-----|------|----|------|----|------|----|------|----|-----|----|-------|------|
| | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ |
| RDT&E | | | | 2.2 | | | | | | | | | | | | | | | | | 0 | 2.2 |
| PROCUREMENT | | | | 5.7 | | 0.8 | | 5.7 | | 4.1 | | | | | | | | | | | 0 | 16.3 |
| Installation Kits *(ES) | | | 7 | 0.3 | 1 | | 7 | 0.3 | 5 | 0.2 | | | | | | | | | | | 20 | 0.8 |
| Installation Kit Nonrecurring | | | | | | | | | | | | | | | | | | | | | 0 | 0.0 |
| Equipment | | | 7 | 4.0 | 1 | 0.5 | 7 | 4.1 | 5 | 3.0 | | | | | | | | | | | 20 | 11.6 |
| Equipment Nonrecurring | | | | | | | | | | | | | | | | | | | | | 0 | 0.0 |
| Engineering Change Orders | | | | 0.6 | | 0.2 | | 0.5 | | 0.4 | | | | | | | | | | | 0 | 1.7 |
| Data | | | | | | | | | | | | | | | | | | | | | 0 | 0.0 |
| | | | | | | | | | | | | | | | | | | | | | 0 | 0.0 |
| | | | | | | | | | | | | | | | | | | | | | 0 | 0.0 |
| | | | | | | | | | | | | | | | | | | | | | 0 | 0.0 |

Installation of Hardware

| | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|--|--|---|-----|---|-----|---|-----|---|-----|--|--|--|--|--|--|--|--|--|--|--|---|-----|
| PY | | | | | | | | | | | | | | | | | | | | | | 0 | 0.0 |
| FY98 | | | | | | | | | | | | | | | | | | | | | | 0 | 0.0 |
| FY99 (ES) | | | 7 | 0.8 | 1 | 0.1 | | | | | | | | | | | | | | | | 8 | 0.9 |
| FY00 (EA) | | | | | | | 7 | 0.8 | | | | | | | | | | | | | | 7 | 0.8 |
| FY01 (EA) | | | | | | | | | 5 | 0.5 | | | | | | | | | | | | 5 | 0.5 |
| FY02 | | | | | | | | | | | | | | | | | | | | | | 0 | 0.0 |
| FY03 | | | | | | | | | | | | | | | | | | | | | | 0 | 0.0 |
| FY04 | | | | | | | | | | | | | | | | | | | | | | | |
| FY05 | | | | | | | | | | | | | | | | | | | | | | | |
| To Complete | | | | | | | | | | | | | | | | | | | | | | 0 | 0.0 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|---|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|-----|----|-----|------|
| Total Installation Cost | 0 | 0.0 | 7 | 0.8 | 1 | 0.1 | 7 | 0.8 | 5 | 0.5 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 20 | 2.2 | |
| Total Procurement | | 0.0 | | 5.7 | | 0.8 | | 5.7 | | 4.1 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | 16.3 |

METHOD OF IMPLEMENTATION: CONTRACTOR/GOVERNMENT

ADMINISTRATIVE LEADTIME: 3 MONTHS

PRODUCTION LEADTIME: 6 MONTHS

CONTRACT DATE: Current Year : 12/98

Budget Year 1: 12/99

Budget Year 2: 12/00

DELIVERY DATE: Current Year: 06/99

Budget Year 1: 06/00

Budget Year 2: 06/01

Exhibit P-3a, Individual Modification (Cont)

MODIFICATION TITLE: PRIVATEER (MKV)

INSTALLATION SCHEDULE

| | PYs | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|-----|-----|------|---|---|---|------|---|---|---|------|---|---|---|------|---|---|---|------|---|---|---|
| | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| In | | | | | | | | | 8 | | | | 7 | | | | 5 | | | | |
| Out | | | | | | | | | 8 | | | | 7 | | | | 5 | | | | |

| | 2003 | | | | 2004 | | | | 2005 | | | | To Complete | Total |
|-----|------|---|---|---|------|---|---|---|------|---|---|---|-------------|-------|
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | |
| In | | | | | | | | | | | | | | 20 |
| Out | | | | | | | | | | | | | | 20 |

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| BUDGET ITEM JUSTIFICATION SHEET | | | | | | | DATE FEBRUARY 1999 | | |
|--|-------------|--------|--------|---|-------|-------|--------------------|--------|-------|
| APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2 | | | | P-1 ITEM NOMENCLATURE SMALL ARMS AND WEAPONS | | | | | |
| | Prior Years | FY98 | FY99 | FY00 | FY01 | FY02 | FY03 | FY04 | FY05 |
| QUANTITY | | | | | | | | | |
| COST (In Millions \$) | 43.941 | 11.043 | 10.220 | 23.355 | 8.798 | 5.414 | 7.460 | 14.893 | 8.753 |
| <p>MISSION AND DESCRIPTION: Provides small arms and combat equipment in support of Special Operations Forces (SOF), to include Army Rangers, Army Special Forces, Navy 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 Peculiar Weapons, SOF Personal Equipment Advanced Requirements, SOF Laser Marker, Lightweight Thermal Imager, Improved Night/Day Observation/Fire Control Device, and Heavy Sniper Rifle.</p> <p>1. Naval Special Warfare 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.</p> <p>FY 2000 PROGRAM JUSTIFICATION: Procures AN/PVS-7C waterproof night vision goggles.</p> <p>FY 2001 PROGRAM JUSTIFICATION: Procures AN/PVS-7C waterproof night vision goggles.</p> <p>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.</p> | | | | | | | | | |

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| BUDGET ITEM JUSTIFICATION SHEET | | DATE |
|---|--|---|
| APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2 | | FEBRUARY 1999 |
| | | P-1 ITEM NOMENCLATURE SMALL ARMS AND WEAPONS |
| <p>FY 2000 PROGRAM JUSTIFICATION: Procures M4 SOF Peculiar Modification (SOPMOD) accessory kit items to meet the inventory objective.</p> <p>FY 2001 PROGRAM JUSTIFICATION: Procures M4 SOPMOD accessory kit items to meet the inventory objective.</p> <p>3. SOF Personal Equipment Advanced Requirements. Provides funding for the acquisition of SOF-unique, state-of-the-art, individual operator equipment in 8 functional areas including lightweight environmental protective clothing, Body Armor/Load Carriage System (BALCS), Modular Integrated Communications Helmet (MICH), modular target identification and acquisition, team platoon C4I, ballistic/laser eyewear, signature management, and physiological management.</p> <p>FY 2000 PROGRAM JUSTIFICATION: Procures BALCS systems to meet the inventory objective, and procures MICH to meet IOC.</p> <p>FY 2001 PROGRAM JUSTIFICATION: Procures lightweight environmental protective handwear and headgear to meet the inventory objectives.</p> <p>4. SOF Laser Acquisition Marker (SOFLAM). SOFLAM provides SOF with a lightweight, manportable, laser target designator and rangefinders effective out to five kilometers. SOFLAM gives SOF a standoff capability request of unique targets. SOFLAM replaces heavier, bulkier, and less reliable systems such as Compact Laser Designator and the AN/PAQ-1 laser target marker.</p> <p>5. Lightweight Thermal Imager (LTI). LTI provides long range observation and fire control for small arms weapons under day/night conditions and in the presence of obscurants.</p> <p>FY 2000 PROGRAM JUSTIFICATION: Procures LTI to meet the inventory objectives.</p> <p>6. Improved Night/Day Observation/Fire Control Device (INOD). Provides the SOF sniper with a lightweight, low signature, fire control and</p> | | |

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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>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 2000 PROGRAM JUSTIFICATION: Procures INODs to meet the inventory objective.</p> <p>FY 2001 PROGRAM JUSTIFICATION: Procures INODs to meet the inventory objective.</p> <p>7. Heavy Sniper Rifle (HSR). HSR provides Special Operations Forces (SOF) with a standoff engagement capability against various materiel targets such as parked aircraft, C3I 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 2000 PROGRAM JUSTIFICATION: Procures .50 cal sniper ball round ammunition to meet the inventory objectives for war reserve and training.</p> <p>FY 2001 PROGRAM JUSTIFICATION: Procures .50 cal sniper ball round ammunition to meet the inventory objectives for war reserve and training.</p> <p>8. 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 2000 PROGRAM JUSTIFICATION: Procures 5.56 lightweight machine guns to meet inventory objective.</p> <p>FY 2001 PROGRAM JUSTIFICATION: Procures 5.56 lightweight machine guns to meet inventory objective.</p> | | |

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|---|---|--------------------|
| BUDGET ITEM JUSTIFICATION SHEET | | DATE FEBRUARY 1999 |
| APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2 | P-1 ITEM NOMENCLATURE SMALL ARMS AND WEAPONS | |
| <p>9. Advanced Design Night Vision Devices. Program acquires advanced design night vision goggles and scopes for SOF ground operators (SF, Rangers, SEALs). Devices provide day/night and all-weather capability for fire control, surveillance, and land navigation through use of advanced technologies such as multi-spectral imaging, multi sensor fusion, and digital image display. Provides SOF operators with longer detection/recognition ranges under all light conditions and in the presence of man-made or natural obscurants.</p> | | |

| 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 1999 | | | | |
|--|---|------------|---|------------|-----------|------------|------------------------|------------|-----------|------------|---------|
| | Work Breakdown Structure | | FY 1997 | | FY 1998 | | FY 1999 | | FY 2000 | | FY 2001 |
| Cost Elements (\$ thousands) | Unit Cost | Total Cost | Unit Cost | Total Cost | Unit Cost | Total Cost | Unit Cost | Total Cost | Unit Cost | Total Cost | |
| 1. NSW PECULIAR WEAPONS | | | | | | | | | | | |
| A. Waterproof Night Vision Goggles | | | | | | | 7.500 | 1,514 | | | |
| B. Mounts | 5.150 | 206 | 2.523 | 217 | | | 2.523 | 14 | 2.523 | 470 | |
| C. Production Engineering | | 70 | | | | | | | | 7 | |
| Subtotal | | 276 | | 217 | | | | 1,528 | | 477 | |
| 2. SOF WPNS MODS & SPT EQUIP | | | | | | | | | | | |
| A. M4 SOPMOD Kit II | | | | | | | | | 10.000 | 2,366 | |
| B. Production Support | | 677 | | 522 | | 313 | | 58 | | 862 | |
| C. M4 Carbine SOPMOD Kits | 8.792 | 6,884 | 8.000 | 5,297 | | | 8.000 | 129 | | | |
| D. M4 Carbine Nightscopes | | | 5.000 | 2,125 | | | 4.000 | 6,752 | | | |
| Subtotal | | 7,561 | | 7,944 | | 313 | | 6,939 | | 3,228 | |
| 3. SOF PERSONAL EQUIP ADV REQ | | | | | | | | | | | |
| A. Lightweight Environmental Protective Clothing | 0.200 | 289 | | | | | | | 0.400 | 1,032 | |
| B. Body Armor/Load Carriage System | | | 2.545 | 2,431 | 2.621 | 5,725 | 2.700 | 5,302 | | | |
| C. Modular Integrated Comm Helmet | | | | | | | 1.000 | 1,021 | | | |
| Subtotal | | 289 | | 2,431 | | 5,725 | | 6,323 | | 1,032 | |
| 4. SOF LASER ACQUISITION MARKER (SOFLAM) | | | | | | | | | | | |
| A. SOFLAM Units | Var | 586 | 64.429 | 451 | | | | | | | |
| Subtotal | | 586 | | 451 | | | | | | | |
| 5. LIGHTWEIGHT THERMAL IMAGER | | | | | | | | | | | |
| A. Hardware | | | | | 21.800 | 3,270 | 30.926 | 586 | | | |
| Subtotal | | | | | | 3,270 | | 586 | | | |
| 6. IMPROVED NIGHT/DAY OBSERVATION/FIRE CONTROL DEVICE | | | | | | | | | | | |
| A. Hardware | | | | | 10.133 | 912 | 9.771 | 4,104 | 9.429 | 3,206 | |
| Subtotal | | | | | | 912 | | 4,104 | | 3,206 | |
| 7. HEAVY SNIPER RIFLE | | | | | | | | | | | |
| A. Hardware | | | | | | | 10.400 | 1,800 | 10.400 | 468 | |
| B. Ammo | | | | | | | 0.007 | 230 | 0.007 | 195 | |
| Subtotal | | | | | | | | 2,030 | | 663 | |

| BUDGET PROCUREMENT HISTORY AND PLANNING | | | | | | | A. DATE: FEBRUARY 1999 | | | |
|---|-----|--------------|--------------------|--|---------------------------------|---------------|------------------------------|------------------------|------------------------|--|
| 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. NSW PECULIAR WEAPONS | | | | | | | | | | |
| A. Waterproof Night Vision Goggles FY 00 | 201 | 7.500 | NSWC Crane | MIPR | NSWC Crane Div Crane, IN | MAR 00 | MAR 01 | YES | | |
| B. Mounts | | | | | | | | | | |
| FY 98 - (MK 93 Tri-Purpose M60/40MM/.50 Cal) | 86 | 2.523 | NSWC Crane | MIPR | NSWC Crane Div Crane, IN | JUN 98 | JAN 99 | YES | | |
| FY 00 | 5 | 2.523 | NSWC Crane | MIPR | NSWC Crane Div Crane, IN | JUN 00 | JAN 01 | YES | | |
| FY 01 - (MK 93 Tri-Purpose M60/40MM/.50 Cal) | 186 | 2.523 | NSWC Crane | MIPR | NSWC Crane Div Crane, IN | JUN 01 | JAN 00 | YES | | |
| 2. SOF WEAPONS MODS & SUPPORT EQUIP | | | | | | | | | | |
| A. M4 SOPMOD Kit II | | | | | | | | | | |
| FY 01 | 236 | 10.000 | NSWC Crane | C/FP | Various | DEC 00 | JAN 01 | YES | | |
| C. M4 Carbine SOPMOD Kits | | | | | | | | | | |
| FY 98 | 662 | 8.000 | NSWC Crane | C/FP | Various | DEC 97 | JAN 98 | YES | | |
| FY 00 | 16 | 8.000 | NSWC Crane | C/FP | Various | DEC 99 | JAN 00 | YES | | |
| D. M4 Carbine Night Scopes | | | | | | | | | | |
| FY 98 | 425 | 5.000 | NSWC Crane | C/FP | Litton E-O Systems Tempe, AZ | SEP 98 | MAR 99 | YES | | |
| D. REMARKS | | | | | | | | | | |

| BUDGET PROCUREMENT HISTORY AND PLANNING | | | | | | | A. DATE: FEBRUARY 1999 | | |
|---|-------|--------------|--------------------|--|---------------------------------|---------------|------------------------------|------------------------|------------------------|
| 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 |
| D. M4 Carbine Night Scopes (Cont) FY 00 | 1,688 | 4.000 | NSWC Crane | Option/FP | Litton E-O Systems Tempe, AZ | DEC 99 | JAN 00 | YES | |
| 3. SOF PERSONAL EQUIP ADV REQ (SPEAR) | | | | | | | | | |
| A. Lightweight Environmental Protective Clothing | | | | | | | | | |
| FY 01 | 2,580 | 0.400 | USSOCOM | C/FP (ID/(IQ) | TBD | MAR 01 | MAR 02 | NO | |
| B. Body Armor/Load Carriage System | | | | | | | | | |
| FY 98 | 955 | 2.545 | USSOCOM | C/FP (ID/(IQ) | Various | MAR 98 | DEC 98 | YES | |
| FY 99 | 2,184 | 2.621 | USSOCOM | Option/FP | Various | OCT 98 | JUN 99 | YES | |
| FY 00 | 1,964 | 2.700 | USSOCOM | Option/FP | Various | OCT 99 | DEC 99 | YES | |
| C. Modular Integrated Comm Helmet | | | | | | | | | |
| FY 00 | 1,021 | 1.000 | USSOCOM | C/FP (ID/(IQ) | TBD | DEC 99 | MAR 00 | NO | AUG 99 |
| 5. LIGHT WEIGHT THERMAL IMAGER | | | | | | | | | |
| A. Hardware | | | | | | | | | |
| FY 99 | 150 | 21.800 | USA PM/NVRSTA | C/FP | TBD | MAR 99 | SEP 99 | YES | |
| FY 00 | 28 | 20.926 | USA PM/NVRSTA | Option/FP | TBD | NOV 00 | JUN 01 | YES | |
| D. REMARKS | | | | | | | | | |

| BUDGET PROCUREMENT HISTORY AND PLANNING | | | | | | | A. DATE: FEBRUARY 1999 | | | |
|---|--------|--------------|--------------------|--|----------------------------|---------------|------------------------------|------------------------|------------------------|--|
| 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. IMPROVED NIGHT/DAY OBSERVATION/FIRE CONTROL DEVICE | | | | | | | | | | |
| A. Hardware | | | | | | | | | | |
| FY 99 | 90 | 10.133 | USA PM/NVRSTA | Option/FP | ITT, Inc. Roanoke, VA | JUL 99 | JUL 00 | NO | | |
| FY 00 | 420 | 9.771 | USA PM/NVRSTA | Option/FP | ITT, Inc. Roanoke, VA | JAN 00 | NOV 00 | NO | | |
| FY 01 | 340 | 9.429 | USA PM/NVRSTA | Option/FP | ITT, Inc. Roanoke, VA | DEC 00 | FEB 01 | NO | | |
| 7. HEAVY SNIPER RIFLE | | | | | | | | | | |
| A. Hardware | | | | | | | | | | |
| FY 00 | 173 | 10.400 | USA PM SMALL ARMS | C/FP | TBD | MAY 00 | JAN 01 | NO | NOV 99 | |
| FY 01 | 45 | 10.400 | USA PM SMALL ARMS | Option/FP | TBD | MAY 01 | JAN 02 | NO | NOV 99 | |
| B. Ammo | | | | | | | | | | |
| FY 00 | 32,857 | 0.007 | USA PM SMALL ARMS | Option/FP | TBD | DEC 99 | MAR 00 | NO | NOV 99 | |
| FY 01 | 27,857 | 0.007 | USA PM SMALL ARMS | Option/FP | TBD | DEC 00 | MAR 01 | NO | NOV 99 | |
| 8. 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 | |
| D. REMARKS | | | | | | | | | | |

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| BUDGET ITEM JUSTIFICATION SHEET | | | | | | | DATE FEBRUARY 1999 | | | |
|---|-------------|--------|--------|---|------|------|--------------------|------|------|--|
| APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2 | | | | P-1 ITEM NOMENCLATURE MARITIME EQUIPMENT MODIFICATIONS | | | | | | |
| | Prior Years | FY98 | FY99 | FY00 | FY01 | FY02 | FY03 | FY04 | FY05 | |
| QUANTITY | | | | | | | | | | |
| COST (In Millions \$) | 19.361 | 10.583 | 21.674 | 2.183 | .915 | .361 | .453 | .420 | .512 | |
| <p>MISSION AND DESCRIPTION: Program provides for Patrol Coastal (PC) and MK V Special Operations Craft (SOC) maritime modifications and consolidates them into a single line item.</p> <p>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.</p> <p>FY 2000 PROGRAM JUSTIFICATION: Includes upgrade of existing Integrated Bridge System (IBS) to incorporate evolving technologies including: complete 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 which reduces noise levels. This will eliminate the requirement of double hearing protection and allow watchstanders longer duration in the engine rooms.</p> <p>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 FLIR capability to enhance MK V nighttime situational awareness, self defense, and navigation.</p> | | | | | | | | | | |

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| BUDGET ITEM JUSTIFICATION SHEET | | | | | | DATE FEBRUARY 1999 | | | | |
|--|--|--------------------|---------------|---|--------------|--------------------|-------------|-------------|-------------|-------------|
| APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2 | | | | P-1 ITEM NOMENCLATURE MARITIME EQUIPMENT MODIFICATIONS | | | | | | |
| MODIFICATION SUMMARY | | | | | | | | | | |
| <u>DESCRIPTION</u> | | <u>Prior Years</u> | <u>FY98</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 | 1.096 | 1.168 | 1.445 | | | | | | |
| 2. | PC Stern Flap Modification | .025 | .053 | .056 | | | | | | |
| 3. | PC Active Noise Cancellation | .869 | .057 | | | | | | | |
| 4. | PC Propeller Upgrade | 1.138 | .165 | | | | | | | |
| 5. | PC Communication Alterations | .000 | 2.827 | .476 | | | | | | |
| 6. | PC Forward Looking Infrared Upgrade | .000 | | 4.113 | | | | | | |
| 7. | MK V Special Operations Craft (SOC) Weapons | 3.607 | 3.435 | 1.207 | | | | | | |
| 8. | MK V SOC Forward Looking Infrared | .000 | 2.772 | 14.377 | | | | | | |
| 9. | K Alterations | .368 | .106 | | | | | | | |
| 10. | PC Command and Control Software Upgrades | .000 | | | .228 | .253 | .218 | .336 | .311 | .379 |
| 11. | PC Future Communications Modifications | .000 | | | .597 | .244 | .143 | .117 | .109 | .133 |
| 12. | PC Main Propulsion Diesel Engine Noise Treatment | .000 | | | 1.358 | .418 | | | | |
| SUBTOTAL FOR MODS | | 7.103 | 10.583 | 21.674 | 2.183 | .915 | .361 | .453 | .420 | .512 |

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| BUDGET ITEM JUSTIFICATION SHEET | | | | | | | DATE FEBRUARY 1999 | | | |
|--|-------------|--------|--------|--|------|------|--------------------|------|------|--|
| APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2 | | | | P-1 ITEM NOMENCLATURE NAVAL SPECIAL WARFARE RIGID INFLATABLE BOAT | | | | | | |
| | Prior Years | FY98 | FY99 | FY00 | FY01 | FY02 | FY03 | FY04 | FY05 | |
| QUANTITY | | | | | | | | | | |
| COST (In Millions \$) | .000 | 12.562 | 15.369 | | | | | | | |
| <p>MISSION AND DESCRIPTION: The Naval Special Warfare Rigid Inflatable Boat (NSW RIB) program 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> | | | | | | | | | | |

UNCLASSIFIED

| BUDGET ITEM JUSTIFICATION SHEET | | | | | | | DATE FEBRUARY 1999 | | | |
|--|-------------|------|------|--|-------|-------|--------------------|--------|--------|--|
| APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSE - WIDE / 2 | | | | P-1 ITEM NOMENCLATURE SOF COMBATANT CRAFT SYSTEMS | | | | | | |
| | Prior Years | FY98 | FY99 | FY00 | FY01 | FY02 | FY03 | FY04 | FY05 | |
| QUANTITY | | | | | | | | | | |
| COST (In Millions \$) | | | | 18.771 | 8.905 | 9.939 | 14.843 | 23.636 | 17.237 | |
| <p>MISSION AND DESCRIPTION: The Naval Special Warfare Rigid Inflatable Boat P-1 line has been renamed to Special Operations Forces (SOF) Combatant Craft Systems in FY 2000. This renamed P-1 will serve as the umbrella program for Combatant Craft Systems. The following craft are represented:</p> <p>1. Naval Special Warfare Rigid Inflatable Boat (NSW RIB). The NSW RIB program provides a short range surface mobility platform for SOF insertion and extraction and replaces the Special Warfare Craft (Light), or SEAFOX, which has ended its service life. The program supports the procurement of RIBs, trailers, deployment packages, on-board spares, and provides engineering support.</p> <p>FY 2000 PROGRAM JUSTIFICATION: Procures NSW RIBs with deployment packages. Also funds contractor logistics, miscellaneous equipment, and engineering support.</p> <p>FY 2001 PROGRAM JUSTIFICATION: Procures NSW RIBs with deployment packages. Also funds contractor logistics, miscellaneous equipment, and engineering support.</p> <p>2. Riverine Replacement Craft. This program was formerly in the SOF Maritime Equipment Line. The riverine craft will provide SOF with the capability to insert and extract SOF in the riverine environment. It is manned by a crew of 3 and can carry 8 combat loaded SOF operators. 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 by C-130 aircraft.</p> <p>FY 2000 PROGRAM JUSTIFICATION: Funds will procure 10 interim riverine craft, transporters, and support packages.</p> | | | | | | | | | | |

| BUDGET PROCUREMENT HISTORY AND PLANNING | | | | | | | A. DATE: FEBRUARY 1999 | | | |
|---|-----|--------------|--------------------|---|-----------------------------------|---------------|------------------------------|------------------------|------------------------|--|
| 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. NSW RIB | | | | | | | | | | |
| 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 | Unknown | Unknown | YES | | |
| 2. RIVERINE REPLACEMENT CRAFT | | | | | | | | | | |
| A. Boats/Engines/Trailers | | | | | | | | | | |
| FY 00 | 10 | 550.000 | USSOCOM | FFP | Unknown | DEC 99 | MAR 00 | YES | | |
| D. REMARKS | | | | | | | | | | |