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|---|----------------|---------|--|---------------|---------------|---|---------------|---------------|---------------|---------------|--------------|--------------|
| BUDGET ITEM JUSTIFICATION SHEET | | | | | | DATE: | | | | | | |
| P-40 | | | | | | FEBRUARY 2004 | | | | | | |
| APPROPRIATION/BUDGET ACTIVITY | | | | | | P-1 ITEM NOMENCLATURE | | | | | | |
| OTHER PROCUREMENT, NAVY/BA 3 AVIATION SUPPORT EQUIPMENT | | | | | | 424400 AVIATION LIFE SUPPORT SYSTEMS | | | | | | |
| Program Element for Code B Items: | | | | | | Other Related Program Elements | | | | | | |
| | Prior Years | ID Code | | FY 2003 | FY 2004 | FY 2005 | FY 2006 | FY 2007 | FY 2008 | FY 2009 | To Complete | Total |
| QUANTITY | | | | | | | | | | | | |
| COST (In Millions) | \$248.8 | | | \$18.1 | \$32.2 | \$19.0 | \$27.0 | \$13.3 | \$20.6 | \$22.7 | CONT. | CONT. |
| DERF (In Millions) | \$10.0 | | | | | | | | | | | |
| <p>This account provides for the acquisition, upgrade, and production support of aviation life support systems required for the personal safety and protection of aircrew against the hazards encountered in the aircraft operating environment and for safe recovery of downed aircrew.</p> <p>NEW SURVIVAL RADIO - SY030 - Non-developmental acquisition to replace the PRC-90 and PRC-90-2 with a state of the art survival radio. This will be a non-combat radio to complement the PRQ-7 (Combat Survivor Evader Locator (CSEL) radio. Historically, the Navy has used the PRC-90 to complement the PRC-112, which the PRQ-7 will replace. Major off the shelf technology insertion will be the addition of Cosmicheskaya Systema Poiska Avariynyich (COSPAS) Search and Rescue Satellite Aided Tracking (SARSAT) 460 MHZ capability. The location of downed aircrew will now be known within 100 meters and 20 minutes of radio beacon activation thereby greatly reducing time to recover downed aircrew and increasing their probability of safe recovery. This purchase also includes a beacon which replaces the antiquated URT-33 ejection seat beacon used to signal when an aircrew has ejected from the aircraft and an adapter which, replaces the PRC-125, satisfying the peculiar mission of the in water rescue swimmer. This buy consists of three components: the AN/PRC-149 Radio, AN/URT-140 Radio Beacon, and the Swimmers Control Unit.</p> <p>COMBAT SURVIVOR EVADER LOCATOR (CSEL) - SY060 - The CSEL Radio system provides U.S. combat forces with secure, encrypted, low probability of exploitation, two-way, over the horizon, near real time databurst communications with integral precise geopositioning; and non-secure, unencrypted line-of-site voice and beacon capability to support survival, evasion, and personnel recovery operations. This is a joint Program with the Air Force as lead. The User segment of the CSEL system is composed of a battery operated hand held radio (HHR) (AN/PRQ-7), a radio set adapter (RSA) (J-6431/PRQ-7), a GPS antenna and coupler, and a laptop CPU with software for loading the HHR (CSEL Planning Computer (CPC)). The HHR will weigh less than 32 ounces and is of comparable size to other portable SATCOM radios (8x3.5x1.75"). CSEL will require a key fill device and will have improved jam and spoofing resistance by incorporating the next-generation Selective Availability Anti-Spoofing Module (SAASM) GPS module. The HHR requires the "CSEL infrastructure" to be installed and operational, including the Ground segment's Joint Search and Rescue Center (JSRC) workstation/software and the Over-The-Horizon (OTH) segment's UHF Base Station (UBS), but can work autonomously in the line-of-sight voice or beacon modes.</p> | | | | | | | | | | | | |

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|---|----------------|---------|--|---------------|---------------|---|---------------|---------------|---------------|---------------|--------------|--------------|
| BUDGET ITEM JUSTIFICATION SHEET | | | | | | DATE: FEBRUARY 2004 | | | | | | |
| P-40 | | | | | | | | | | | | |
| APPROPRIATION/BUDGET ACTIVITY | | | | | | P-1 ITEM NOMENCLATURE | | | | | | |
| OTHER PROCUREMENT, NAVY/BA 3 AVIATION SUPPORT EQUIPMENT | | | | | | 424400 AVIATION LIFE SUPPORT SYSTEMS | | | | | | |
| Program Element for Code B Items: | | | | | | Other Related Program Elements | | | | | | |
| | Prior Years | ID Code | | FY 2003 | FY 2004 | FY 2005 | FY 2006 | FY 2007 | FY 2008 | FY 2009 | To Complete | Total |
| QUANTITY | | | | | | | | | | | | |
| COST (In Millions) | \$248.8 | | | \$18.1 | \$32.2 | \$19.0 | \$27.0 | \$13.3 | \$20.6 | \$22.7 | CONT. | CONT. |
| DERF (In Millions) | \$10.0 | | | | | | | | | | | |
| <p>LASER EYE PROTECTION - SY080 - Laser Eye Protection Improvement Program (LEPIP) EDU-5/P Spectacles. This is a USN/USMC Abbreviated Acquisition Program (AAP). The EDU-5/P spectacles are designed to provide day and night multiple wavelength, low energy protection for fixed and rotary wing aircrew in a fixed, multi-wavelength laser threat environment. The spectacles are designed to cause minimal visual and physical encumbrance, and be compatible with current Navy Aviation Life Support Equipment (ALSE), aircraft visual displays and night vision systems. The EDU-5/P spectacles will replace the current available FV2 laser spectacles which have performance limitations which include 1) day use only, 2) significant color perception distortion of the cockpit display or scene being viewed, 3) incompatibility with Chemical Biological Radiological (CBR) protective assembly, 4) incompatibility with night vision goggles (NVGs), 5) significant reduction of cockpit displays light levels, and 6) hot spot discomfort around the ears from the temple arms. In addition, the EDU-5/P spectacles provide seven (7) wavelength protection as opposed to five (5) wavelength protection provided by the FV2 spectacles.</p> <p>JOINT SERVICE AIRCREW LOW ENERGY MULTIPLE WAVELENGTH ADVANCED LASER EYE PROTECTION VISOR (JALEPV) - SY085 - JALEPV has been designated as a ACAT IVM Program. The Navy is the lead service for this program. The JALEPV is being developed to provide day and night multiple wavelength, low energy protection to address the needs of fixed and rotary wing aircrew in a fixed multiple wavelength laser threat environment. The visor is being developed for compatibility with current Army, and USN/USMC Aviation Life Support Equipment (ALSE) as well as cockpit displays, night vision, and fire control systems.</p> <p>AGILE LASER EYE PROTECTION (ALEP) - SY088 - The Agile laser Eye Protection (ALEP) program will develop a unity magnification goggle to protect the eyes of fixed and rotary winged aircrew from present and future laser systems. The device will block both fixed and frequency agile laser threats. The ALEP goggle will be similar in form and fit as current night vision goggles. The goggle would replace current multiple fixed wavelength protection devices with one single frequency agile device.</p> <p>MULTI-CLIMATE PROTECTION SYSTEMS (MCP) - SY146 - MCP is an abbreviated acquisition program intended to develop a modular protective clothing system which provides flame protection, thermal protection, and sufficient insulation while reducing heat stress and bulk commonly associated with cold weather clothing systems. Components of the system will be used for a wide range of temperatures and climate conditions.</p> | | | | | | | | | | | | |

| BUDGET ITEM JUSTIFICATION SHEET | | | | | | DATE: FEBRUARY 2004 | | | | | | |
|---|----------------|---------|--|---------------|---------------|---|---------------|---------------|---------------|---------------|--------------|--------------|
| P-40 | | | | | | | | | | | | |
| APPROPRIATION/BUDGET ACTIVITY | | | | | | P-1 ITEM NOMENCLATURE | | | | | | |
| OTHER PROCUREMENT, NAVY/BA 3 AVIATION SUPPORT EQUIPMENT | | | | | | 424400 AVIATION LIFE SUPPORT SYSTEMS | | | | | | |
| Program Element for Code B Items: | | | | | | Other Related Program Elements | | | | | | |
| | Prior Years | ID Code | | FY 2003 | FY 2004 | FY 2005 | FY 2006 | FY 2007 | FY 2008 | FY 2009 | To Complete | Total |
| QUANTITY | | | | | | | | | | | | |
| COST (In Millions) | \$248.8 | | | \$18.1 | \$32.2 | \$19.0 | \$27.0 | \$13.3 | \$20.6 | \$22.7 | CONT. | CONT. |
| DERF (In Millions) | \$10.0 | | | | | | | | | | | |
| <p>AIRCREW EXPOSURE PROTECTION SYSTEM (AEPS) - SY205 - AEPS (or family of suits) will provide cold water immersion protection with active heating and cooling for reduced thermal burden and greater mission duration and flexibility. Protection will be provided for all platforms, mission types, and passenger transport.</p> <p>NIGHT VISION DEVICES (NVD) TACTICAL - SY210 -These Night Vision Devices (NVD) provide U.S. Navy personnel with a helmet-mounted night vision system that enhances aircrew performance at night. The system is battery powered and amplifies ambient light sources which increases visual acuity at night. The system is fitted with a light emitting diode (LED) indicator on the helmet mounting plate assembly that blinks if battery voltage drops below operational limits. The system incorporates a high gain, high resolution image intensifier assembly, 3/4-turn focus mechanism, objective lens with a leaky green filter that enables fixed wing aviators to view heads-up displays (HUD) while wearing the system, and comes with a detachable helmet mount. The system is fully adjustable by the operator to accommodate the distance between the eyes, vertical distance, tilt, eye relief, diopter setting, and focus. Additionally, the system can be flipped up and stored away from the operator's eyes in emergency situations and when not in use.</p> <p>NIGHT VISION GOGGLES (NVG) ROTARY -SY212 - This Night Vision Goggles (NVG) provides U.S. Navy rotary wing personnel with a helmet-mounted vision system that enhances aircrew performance at night. The system is battery powered and amplifies ambient light sources which increases visual acuity at night. The system is fitted with a light emitting diode (LED) indicator on the helmet mounting plate assembly that blinks if battery voltage drops below operating limits. The system incorporates a high gain, high resolution image intensifier assembly, 3/4-turn focus mechanism and comes with a detachable helmet mount. The system is fully adjustable by the operator to accommodate the distance between the eyes, vertical distance, tilt, eye relief, diopter setting and focus. Additionally, the system can be flipped up and stored away from the operator's eyes in emergency situations and when not in use.</p> | | | | | | | | | | | | |

CLASSIFICATION:

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| BUDGET ITEM JUSTIFICATION SHEET P-40 | | | | | | | DATE: FEBRUARY 2004 | | | | | |
|---|-------------|---------|--|---------|---------|---------|---|---------|---------|---------|-------------|-------|
| APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/BA 3 AVIATION SUPPORT EQUIPMENT | | | | | | | P-1 ITEM NOMENCLATURE 424400 AVIATION LIFE SUPPORT SYSTEMS | | | | | |
| Program Element for Code B Items: | | | | | | | Other Related Program Elements | | | | | |
| | Prior Years | ID Code | | FY 2003 | FY 2004 | FY 2005 | FY 2006 | FY 2007 | FY 2008 | FY 2009 | To Complete | Total |
| QUANTITY | | | | | | | | | | | | |
| COST (In Millions) | \$248.8 | | | \$18.1 | \$27.7 | \$19.0 | \$27.0 | \$13.3 | \$20.6 | \$22.7 | CONT. | CONT. |
| DERF (In Millions) | \$10.0 | | | | | | | | | | | |
| <p>NIGHT VISION GOGGLES WIDE FIELD OF VIEW (TACAIR) - SY213 -These Night Vision Devices (NVD) provide U.S. Navy personnel with a helmet mounted wide field of view night vision system that improves in the AN/AVS-9 by providing a fully overlapped binocular field of view of approximately 100 degrees by 40 degrees. The system is battery powered and amplifies ambient light sources, increasing visual acuity at night. The system incorporates high gain, high resolution image intensifier assembly, an objective lens with a leaky green filter that enables the fixed wing pilot to view the head-up display while wearing the system. The system is fully adjustable by the operator and is detachable from the helmet.</p> <p>NIGHT VISION GOGGLES WIDE FIELD OF VIEW (ROTARY) - SY214 - These Night Vision Devices (NVD) provide U.S. Navy personnel with a helmet mounted wide field of view night vision system that improves on the AN/AVS-9 by providing a fully overlapped binocular field of view of approximately 100 degrees by 40 degrees. The system is battery powered and amplifies ambient light sources, increasing visual acuity at night. The system incorporates high gain, high resolution image intensifier assembly. The system is fully adjustable by the operator and is detachable from the helmet.</p> <p>JOINT HELMET MOUNTED CUEING SYSTEM (JHMCS) NIGHT VISION INTEGRATION - SY215 - This system will provide aircraft equipped with the Joint Helmet Mounted Cueing System (JHMCS) the ability to cue and display weapons and sensors at night using a wide field of view Night Vision Device that integrates the JHMCS cueing and display symbology. The system will be compatible with the current JHMCS helmet and will use the power and data provided by the JHMCS Universal Connector on the helmet. The System includes a high resolution image intensifier assembly, a camera to record the pilot's visual scene and display assembly that combines the JHMCS symbology and the scene viewed through the NVD. It also has an objective lens with a leaky green filter that enables the fixed wing pilot to view the head-up display while wearing the system. The system is fully adjustable by the operator and is detachable from the helmet.</p> <p>BAROSTAT TEST BOX - SY350 - The Barostat Test Box is used to test ejection seat barostat release units. The model is MBEU143054 tests the Navy Aircrew Common Ejection Seat (NACES) and other Martin Baker ejection seats.</p> | | | | | | | | | | | | |

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| BUDGET ITEM JUSTIFICATION SHEET P-40 | | | | | | DATE: FEBRUARY 2004 | | | | | | |
|---|----------------|---------|--|---------------|---------------|--|---------------|---------------|---------------|---------------|--------------|--------------|
| APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/BA 3 AVIATION SUPPORT EQUIPMENT | | | | | | P-1 ITEM NOMENCLATURE 424400 AVIATION LIFE SUPPORT SYSTEMS | | | | | | |
| Program Element for Code B Items: | | | | | | Other Related Program Elements | | | | | | |
| | Prior Years | ID Code | | FY 2003 | FY 2004 | FY 2005 | FY 2006 | FY 2007 | FY 2008 | FY 2009 | To Complete | Total |
| QUANTITY | | | | | | | | | | | | |
| (In Millions) | \$248.8 | | | \$18.1 | \$32.2 | \$19.0 | \$27.0 | \$13.3 | \$20.6 | \$22.7 | CONT. | CONT. |
| DERF (In Millions) | \$10.0 | | | | | | | | | | | |
| <p>NAVY COMMON HELMET - SY500 - The Navy Common Helmet (NCW) is a two part helmet that will be used by both fixed wing and rotary wing aircraft. The helmets will contain a common inner shell that provides ballistic and acoustical protection and a missionized outer shell. Outer shells will include a "slick" shell that will provide additional ballistic protection and other shells that will accommodate night vision devices and JHMCS and ANVIS HUD helmet mounted displays.</p> <p>QUICK DON SMOKE MASK AND IMPROVED WALK AROUND BOTTLE - SY600 - The Quick-don full-faced smoke mask and walk around bottle will address the deficiencies with the current smoke masks such as poor communications and the necessity for two-handed donning. The common walk around bottle will provide a longer duration, and have an improved carrying harness and be lighter than the current walk around bottles. These will be used by the P-3, E-2C, C-3 and C-130 aircraft crewmembers.</p> <p>UNIVERSAL WATER ACTIVATED RELEASE SYSTEM (UWARS) - SY700 - UWARS is an improved parachute release fitting which separates the aircrew from the parachute automatically upon contact with the water. The current generation of release fittings will be replaced with smaller, lighter fittings which contain a built in test function. UWARS will provide both performance and Life Cycle Cost benefits over the current generation of release fittings.</p> <p>MASK BREATHING UNIT (MBU-23/P) OXYGEN MASKS - SY710 - The MBU-23/P Oxygen Mask is designed for use in US Navy tactical aircraft for both Pressure Breathing for Gravity (PBG) and Non-PBG applications. The MBU-23/P Mask provide +600 knot windblast protection.</p> <p>JOINT TECHNICAL DATA INTEGRATION/AUTOMATED MAINTENANCE EQUIPMENT (JTDI/AME) - SY900 - The Joint Tactical Data Integration (JTDI)/Automated Maintenance Environment (AME) program procures enhancements to Delivery Management System software, Joint Knowledge Caching Server (JKCS) software, Joint Knowledge Update (JK Update) software and hardware refresh to previously deployed demonstration sites.</p> | | | | | | | | | | | | |

CLASSIFICATION:

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| BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P-40a | | | | | | | DATE: FEBRUARY 2004 | | | | |
|--|---------|-------------|--|---------|---------|---------|---|--|--|-------------|------------|
| APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/BA 3 AVIATION SUPPORT EQUIPMENT | | | | | | | P-1 ITEM NOMENCLATURE 424400 AVIATION LIFE SUPPORT SYSTEMS | | | | |
| Procurement Items | ID Code | Prior Years | | FY 2003 | FY 2004 | FY 2005 | | | | To Complete | Total |
| NEW SURVIVAL RADIO | A | | | | | | | | | | |
| TOTAL COST (\$K) | | 25,999 | | 2,873 | 2,798 | 6,280 | | | | Continuing | Continuing |
| QUANTITY | | 12,372 | | 1,676 | 1,263 | 2,505 | | | | Continuing | Continuing |
| C-SEL | B | | | | | | | | | | |
| TOTAL COST (\$K) | | 2,903 | | 5,354 | 11,079 | 9,200 | | | | Continuing | Continuing |
| QUANTITY | | 241 | | 437 | 1,125 | 926 | | | | Continuing | Continuing |
| LASER EYE PROTECT. LRIP | A | | | | | | | | | | |
| TOTAL COST (\$K) | | 4417 | | 0 | 895 | 0 | | | | 75 | 5,387 |
| QUANTITY | | 3630 | | 0 | 618 | 0 | | | | 52 | 4,300 |
| JALEPV | B | | | | | | | | | | |
| TOTAL COST (\$K) | | 1,566 | | 1,048 | 1,048 | 1,048 | | | | Continuing | Continuing |
| QUANTITY | | 50 | | 250 | 349 | 349 | | | | Continuing | Continuing |
| AGILE LASER EYE PROTECTION | B | | | | | | | | | | |
| TOTAL COST (\$K) | | 0 | | 0 | 0 | 0 | | | | Continuing | Continuing |
| QUANTITY | | 0 | | 0 | 0 | 0 | | | | Continuing | Continuing |
| MULTI-CLIMATE PROTECTION | B | | | | | | | | | | |
| TOTAL COST (\$K) | | 0 | | 0 | 2,972 | 0 | | | | Continuing | Continuing |
| QUANTITY | | 0 | | 0 | 2050 | 0 | | | | Continuing | Continuing |
| AIRCREW EXPOSURE PROTECTION SYSTEM | B | | | | | | | | | | |
| TOTAL COST (\$K) | | 0 | | 0 | 0 | 0 | | | | Continuing | Continuing |
| QUANTITY | | 0 | | 0 | 0 | 0 | | | | Continuing | Continuing |

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| BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS | | | | | | | DATE: FEBRUARY 2004 | | | | |
|---|---------|-------------|--|---------|---------|---------|--------------------------------------|--|--|-------------|------------|
| P-40a | | | | | | | | | | | |
| APPROPRIATION/BUDGET ACTIVITY | | | | | | | P-1 ITEM NOMENCLATURE | | | | |
| OTHER PROCUREMENT, NAVY/BA 3 AVIATION SUPPORT EQUIPMENT | | | | | | | 424400 AVIATION LIFE SUPPORT SYSTEMS | | | | |
| Procurement Items | ID Code | Prior Years | | FY 2003 | FY 2004 | FY 2005 | | | | To Complete | Total |
| NVD (TACTICAL) | A | | | | | | | | | | |
| TOTAL COST (\$K) | | 9,888 | | 754 | 1,142 | 0 | | | | 800 | 12,584 |
| QUANTITY | | 1,635 | | 109 | 207 | 0 | | | | 145 | 2,096 |
| NVG (ROTARY) | A | | | | | | | | | | |
| TOTAL COST (\$K) | | 31,386 | | 1,075 | 1,613 | 0 | | | | 549 | 34,623 |
| QUANTITY | | 5,270 | | 192 | 294 | 0 | | | | 100 | 5,856 |
| NVG WIDE FIELD OF VIEW (TACTICAL) | B | | | | | | | | | | |
| TOTAL COST (\$K) | | 0 | | 0 | 0 | 0 | | | | Continuing | Continuing |
| QUANTITY | | 0 | | 0 | 0 | 0 | | | | Continuing | Continuing |
| NVG WIDE FIELD OF VIEW (ROTARY) | B | | | | | | | | | | |
| TOTAL COST (\$K) | | 0 | | 0 | 0 | 0 | | | | Continuing | Continuing |
| QUANTITY | | 0 | | 0 | 0 | 0 | | | | Continuing | Continuing |
| JHMC NIGHT VISION INTEGRATION | B | | | | | | | | | | |
| TOTAL COST (\$K) | | 0 | | 0 | 0 | 0 | | | | Continuing | Continuing |
| QUANTITY | | 0 | | 0 | 0 | 0 | | | | Continuing | Continuing |
| BAROSTAT TEST BOX | B | | | | | | | | | | |
| TOTAL COST (\$K) | | 0 | | 0 | 0 | 0 | | | | Continuing | Continuing |
| QUANTITY | | 0 | | 0 | 0 | 0 | | | | Continuing | Continuing |
| NAVY COMMON HELMET | B | | | | | | | | | | |
| TOTAL COST (\$K) | | 0 | | 0 | 0 | 0 | | | | Continuing | Continuing |
| QUANTITY | | 0 | | 0 | 0 | 0 | | | | Continuing | Continuing |

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| BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P-40a | | | | | | | DATE: FEBRUARY 2004 | | | | |
|--|---------|-------------|--|---------|---------|---------|---|--|--|-------------|------------|
| APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/BA 3 AVIATION SUPPORT EQUIPMENT | | | | | | | P-1 ITEM NOMENCLATURE 424400 AVIATION LIFE SUPPORT SYSTEMS | | | | |
| Procurement Items | ID Code | Prior Years | | FY 2003 | FY 2004 | FY 2005 | | | | To Complete | Total |
| QUICK DON SMOKE MASK | B | | | | | | | | | | |
| TOTAL COST (\$K) | | 0 | | 0 | 0 | 0 | | | | Continuing | Continuing |
| QUANTITY | | 0 | | 0 | 0 | 0 | | | | Continuing | Continuing |
| UWARS/JWARS | B | | | | | | | | | | |
| TOTAL COSTS (\$K) | | 0 | | 3,200 | 0 | 0 | | | | 0 | 3,200 |
| QUANTITY | | 0 | | 6,400 | 0 | 0 | | | | 0 | 6,400 |
| MBU-23/P OXYGEN MASKS | B | | | | | | | | | | |
| TOTAL COSTS (\$K) | | 0 | | 0 | 2,031 | 0 | | | | 0 | 2,031 |
| QUANTITY | | 0 | | 0 | 4,785 | 0 | | | | 0 | 4,785 |
| JTDI/AME | B | | | | | | | | | | |
| TOTAL COSTS (\$K) | | 0 | | 0 | 4,864 | 0 | | | | 0 | 4,864 |
| QUANTITY | | 0 | | 0 | 1 | 0 | | | | 0 | 1 |
| OTHER COSTS | | 135,517 | | | | | | | | | 135,517 |
| PRODUCTION SUPPORT | | 37,063 | | 3,800 | 3,712 | 2,512 | | | | Continuing | Continuing |
| TOTAL FUNDING | | 248,739 | | 18,104 | 32,154 | 19,040 | | | | Continuing | Continuing |

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| WEAPONS SYSTEM COST ANALYSIS P-5 | | | | Weapon System | | | | DATE: FEBRUARY 2004 | | | | | | |
|---|------------------------------------|---------|------------------------------------|---|-------------------------------|------------|---------------|-------------------------------|------------|---------------|-----------|---------------|--|--|
| APPROPRIATION/BUDGET ACTIVITY | | | | ID Code | P-1 ITEM NOMENCLATURE/SUBHEAD | | | | | | | | | |
| OTHER PROCUREMENT, NAVY/BA 3 AVIATION SUPPORT EQUIPMENT | | | | 424400 AVIATION LIFE SUPPORT SYSTEMS/43SY | | | | | | | | | | |
| COST CODE | ELEMENT OF COST | ID Code | TOTAL COST IN THOUSANDS OF DOLLARS | | | | | | | | | | | |
| | | | Prior Years | FY 2003 | | | FY 2004 | | | FY 2005 | | | | |
| | | | Total Cost | Quantity | Unit Cost | Total Cost | Quantity | Unit Cost | Total Cost | Quantity | Unit Cost | Total Cost | | |
| SY030 | NEW SURVIVAL RADIO | A | 25,999 | 1,676 | 1.714 | 2,873 | 1,263 | 2.215 | 2,798 | 2,505 | 2.507 | 6,280 | | |
| SY060 | CSEL | B | 2,903 | 437 | 12.252 | 5,354 | 1,125 | 9.848 | 11,079 | 926 | 9.935 | 9,200 | | |
| SY080 | LASER EYE PROTECTION -LRIP | A | 4,417 | | | | 618 | 1.448 | 895 | | | | | |
| SY085 | JALEPV | B | 1,566 | 250 | 4.192 | 1,048 | 349 | 3.003 | 1,048 | 349 | 3.003 | 1,048 | | |
| SY088 | AGILE LASER EYE PROTECTION | B | 0 | | | | | | | | | | | |
| SY146 | MULTI-CLIMATE PROTECTION SYSTEM | B | 0 | | | | 2,050 | 1.450 | 2,972 | | | | | |
| SY205 | AIRCREW EXPOSURE PROTECTION SYSTEM | B | 0 | | | | | | | | | | | |
| SY210 | NIGHT VISION DEVICES (TACTICAL) | A | 9,888 | 109 | 6.917 | 754 | 207 | 5.517 | 1,142 | | | | | |
| SY212 | NIGHT VISION GOGGLES (ROTARY) | A | 31,386 | 192 | 5.599 | 1,075 | 294 | 5.486 | 1,613 | | | | | |
| SY213 | NVG WIDE FIELD OF VIEW (TACTICAL) | B | 0 | | | | | | | | | | | |
| SY214 | NVG WIDE FIELD OF VIEW (ROTARY) | B | 0 | | | | | | | | | | | |
| SY215 | JHMCS NIGHT VISION INTEGRATION | B | 0 | | | | | | | | | | | |
| SY350 | BAROSTAT TEST BOX | B | 0 | | | | | | | | | | | |
| SY500 | NAVY COMMON HELMET | B | 0 | | | | | | | | | | | |
| SY600 | QUICK DON SMOKE MASK | B | 0 | | | | | | | | | | | |
| SY700 | UWARS/JWARS | B | 0 | 6,400 | 0.500 | 3,200 | | | | | | | | |
| SY710 | MRU-23/P OXYGEN MASK | B | 0 | | | | 4,785 | 0.424 | 2,031 | | | | | |
| SY900 | JTDI/AME | B | | | | | 1 | 4,864 | 4,864 | | | | | |
| SY830 | PRODUCTION SUPPORT SERVICES | | 37,063 | | | 3,800 | | | 3,712 | | | 2,512 | | |
| | OTHER COSTS | | 135,517 | | | | | | | | | | | |
| | | | 248,739 | | | | 18,104 | | | 32,154 | | 19,040 | | |

* SY060 - The Unit Cost is NOT the actual individual cost of a single CSEL HHR - it is the total hardware "fly away" cost computed by dividing the total yearly hardware cost by the number of radios procured. It includes the cost of the HHR, the required CSEL Planning Equipment (CPC + RSA + Crypto Loader, on a 12:1 HHR-CPE ratio), batteries, 10-year HHR warranty and ancillary equipment.

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| B. APPROPRIATION/BUDGET ACTIVITY | | | | | C. P-1 ITEM NOMENCLATURE | | | | SUBHEAD | |
|---|----------|-----------------------|--------------------|-------------------|--------------------------------------|--|---------------|------------------------------|---------------------------------|--------------------------------|
| OTHER PROCUREMENT, NAVY/BA 3 AVIATION SUPPORT EQUIPMENT | | | | | 424400 AVIATION LIFE SUPPORT SYSTEMS | | | | 43SY | |
| Cost Element/ FISCAL YEAR | QUANTITY | UNIT COST (000) | LOCATION OF PCO | RFP ISSUE DATE | CONTRACT METHOD & TYPE | CONTRACTOR AND LOCATION | AWARD DATE | DATE OF FIRST DELIVERY | TECH DATA AVAILABLE NOW ? | DATE REVISIONS AVAILABLE |
| SY030 NEW SURVIVAL RADIO | | | | | | TADIRAN SPECTRALINK LTC HOLON, ISRAEL | | | | |
| FY-2003 | 1,676 | 1.714 | NAVAIR | 04/02 | FFP | | 12/02 | 08/03 | YES | N/A |
| FY-2004 | 1,263 | 2.215 | NAVAIR | | FFP | | 01/04 | 09/04 | YES | N/A |
| FY-2005 | 2,505 | 2.507 | NAVAIR | | FFP | | 01/05 | 09/05 | YES | N/A |
| SY060 COMBAT SURVIVOR EVADER LOCATOR | | | | | | BOEING NORTH AMERICAN, INC. ANAHEIM, CALIF | | | | |
| FY-2003 | 437 | 12.252 | AFMS/SMC | N/A | FFP | | 04/03 | 01/04 | YES | N/A |
| FY2004 | 1,125 | 9.848 | AFMS/SMC | N/A | FFP | | 04/04 | 01/05 | YES | N/A |
| FY2005 | 926 | 9.935 | AFMS/SMC | N/A | FFP | | 04/05 | 01/06 | YES | N/A |
| SY080 LASER EYE PROTECTION | | | | | | KAISER OPTICAL SYSTEMS ANN ARBOR, MI | | | | |
| FY-2004 | 618 | 1.448 | NAWCAD/PAX | N/A | CPFF | | 01/04 | 06/04 | YES | N/A |
| SY085 JALEPV | | | | | | HOLOGRAPHIC OPTICS MILLWOOD, N.Y. | | | | |
| FY-2003 | 250 | 4.192 | NAWCAD/PAX | N/A | FFIP | | 09/03 | 01/04 | YES | N/A |
| FY-2004 | 349 | 3.003 | NAWCAD/PAX | N/A | FFP | | 09/04 | 01/04 | YES | N/A |
| FY-2005 | 349 | 3.003 | NAWCAD/PAX | N/A | FFP | | 05/05 | 09/05 | YES | N/A |
| D. REMARKS | | | | | | | | | | |

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| BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A) | | | | | Weapon System | | A. DATE FEBRUARY 2004 | | | |
|--|----------|-----------------------|-----------------------------|-------------------|---|------------------------------------|---------------------------------|------------------------------|---------------------------------|--------------------------------|
| B. APPROPRIATION/BUDGET ACTIVITY | | | | | C. P-1 ITEM NOMENCLATURE | | | | SUBHEAD | |
| OTHER PROCUREMENT, NAVY/BA 3 AVIATION SUPPORT EQUIPMENT | | | | | 424400 AVIATION LIFE SUPPORT SYSTEMS | | | | 43SY | |
| Cost Element/ FISCAL YEAR | QUANTITY | UNIT COST (000) | LOCATION OF PCO | RFP ISSUE DATE | CONTRACT METHOD & TYPE | CONTRACTOR AND LOCATION | AWARD DATE | DATE OF FIRST DELIVERY | TECH DATA AVAILABLE NOW ? | DATE REVISIONS AVAILABLE |
| SY146 MULTI-CLIMATE PROTECT FY-2004 | 2050 | 1.450 | NAWCAD/PAX | N/A | SS/FP | PECHAM INC. LANSING, MI | 04/04 | 10/04 | YES | N/A |
| SY210 NIGHT VISION DEVICES (TACTICAL) FY-2003 | 109 | 6.917 | NAVAIR | N/A | OPTION | ITT NIGHT VISION ROANOKE, VA | 05/03 | 11/03 | YES | N/A |
| FY-2004 | 207 | 5.517 | NAVAIR | N/A | OPTION | | 12/03 | 06/04 | YES | |
| SY212 NIGHT VISION GOGGLES (ROTARY) FY-2003 | 192 | 5.599 | NAVAIR | N/A | OPTION | ITT NIGHT VISION ROANOKE, VA | 05/03 | 11/03 | YES | N/A |
| FY-2004 | 294 | 5.486 | NAVAIR | N/A | OPTION | | 12/03 | 06/04 | YES | N/A |
| SY700 UWARS/JWARS FY-2003 | 6400 | 0.500 | NAVAIR | N/A | C/FP | TBD | N/A | N/A | YES | N/A |
| SY710 MBU-23/P OXGEN MASKS FY-2004 | 4785 | 424.480 | NAVAIR | N/A | FFP | GENTEX CORP RANCH CUCAMONGA, CA | 03/04 | 04/04 | YES | N/A |
| SY900 JTDI/AME FY-2004 | 1 | 4.864 | NAVICP Mechanicsburg, PA | N/A | C-ID/IQ | INTERGRAPH CORP HUNTSVILLE, AL | 04/04 | 05/04 | YES | N/A |
| D. REMARKS | | | | | | | | | | |

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|---|---------------------------------|--|----------------|-------------------------------|----------------|---|----------------------|--------------------|
| Exhibit P-20, Requirements Study | | APPROPRIATION/BUDGET ACTIVITY 424400 | | | | | Date: | |
| | | OTHER PROCUREMENT, NAVY/BA 3 AVIATION SUPPORT EQUIPMENT | | | | | FEBRUARY 2004 | |
| P-1 ITEM NOMENCLATURE | | Admin Leadtime (after Oct 1): | | | | | Production Leadtime: | |
| NEW SURVIVAL RADIO | | 4 MONTHS | | | | | 8 MONTHS | |
| | | FY 2003 | FY 2004 | FY 2005 | FY 2006 | FY 2007 | FY 2008 | FY 2009 |
| Buy Summary | | 1676 | 1263 | 2505 | 4004 | 0 | 0 | 0 |
| Unit Cost | | 1.71 | 2.22 | 2.51 | 2.61 | 0.00 | 0.00 | 0.00 |
| Total Cost | | 2,873 | 2,798 | 6,280 | 10,438 | 0 | 0 | 0 |
| Asset Dynamics | | | | | | | | |
| Beginning Asset Position | | 12372 | 12652 | 14154 | 15520 | 17816 | 21820 | 21820 |
| Deliveries from all prior year funding | | | | | | | | |
| Deliveries from FY 2003 funding | | 280 | 1396 | | | | | |
| Deliveries from FY 2004 funding | | | 106 | 1157 | | | | |
| Deliveries from FY 2005 funding | | | | 209 | 2296 | | | |
| Deliveries from subsequent years' funding | | | | | | 4004 | | |
| Other Gains | | | | | | | | |
| Combat Losses/Usage | | | | | | | | |
| Training Losses/Usage | | | | | | | | |
| Test Losses/Usage | | | | | | | | |
| Other Losses/Usage | | | | | | | | |
| Disposals/Retirements/Attritions/etc. | | | | | | | | |
| End of Year Asset Position | | 12652 | 14154 | 15520 | 17816 | 21820 | 21820 | 21820 |
| Inventory Objective or Current Authorized Allowance | | 21971 | 21971 | 21971 | 21971 | 21971 | 21971 | 21971 |
| Inventory Objective 21971 | Actual Training Expenditures | Other than Training Usage | | Disposals (Vehicles/Other) | | Vehicles Eligible for FY 2004 Replacement: | | Aircraft: TOAI: |
| Assets Rqd For Combat Loads: | FY 2003 thru 31 Jul 03 | FY 2003 thru 31 Jul 03 | | FY 2003 thru 31 Jul 03 | | Vehicles Eligible for FY 2005 Replacement: | | PAA: TAI |
| WRM Rqmt: | FY 2002: | FY 2002: | | FY 2002: | | Vehicle Augment: | | Attrition Res: |
| Pipeline: | FY 2001: | FY 2001: | | FY 2001: | | | | BAI |
| Other: | FY 2000: | FY 2000: | | FY 2000: | | | | Inactive Inv: |
| TOTAL: | | | | | | | | Storage: |
| Remarks: | | | | | | | | |

P-1 SHOPPING LIST

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|---|------------------------------|--|----------------|----------------------------|----------------|--|----------------------|-----------------|
| Exhibit P-20, Requirements Study | | APPROPRIATION/BUDGET ACTIVITY 424400 | | | | | Date: | |
| | | OTHER PROCUREMENT, NAVY/BA 3 AVIATION SUPPORT EQUIPMENT | | | | | FEBRUARY 2004 | |
| P-1 ITEM NOMENCLATURE | | Admin Leadtime (after Oct 1): | | | | | Production Leadtime: | |
| COMBAT SURVIVOR EVADER LOCATOR (CSEL) | | 7 MONTHS | | | | | 9 MONTHS | |
| | | FY 2003 | FY 2004 | FY 2005 | FY 2006 | FY 2007 | FY 2008 | FY 2009 |
| Buy Summary | | 437 | 1125 | 926 | 1386 | 1133 | 0 | 0 |
| Unit Cost | | 12.25 | 9.85 | 9.94 | 9.38 | 9.49 | 0.00 | 0.00 |
| Total Cost | | 5,354 | 11,079 | 9,200 | 13,000 | 10,746 | 0 | 0 |
| Asset Dynamics | | | | | | | | |
| Beginning Asset Position | | 241 | 241 | 570 | 1524 | 2498 | 4115 | 5248 |
| Deliveries from all prior year funding | | | | | | | | |
| Deliveries from FY 2003 funding | | | 329 | 108 | | | | |
| Deliveries from FY 2004 funding | | | | 846 | 279 | | | |
| Deliveries from FY 2005 funding | | | | | 695 | 231 | | |
| Deliveries from subsequent years' funding | | | | | | 1386 | 1133 | |
| Other Gains | | | | | | | | |
| Combat Losses/Usage | | | | | | | | |
| Training Losses/Usage | | | | | | | | |
| Test Losses/Usage | | | | | | | | |
| Other Losses/Usage | | | | | | | | |
| Disposals/Retirements/Attritions/etc. | | | | | | | | |
| End of Year Asset Position | | 241 | 570 | 1524 | 2498 | 4115 | 5248 | 5248 |
| Inventory Objective or Current Authorized Allowance | | 5900 | 5900 | 5900 | 5900 | 5900 | 5900 | 5900 |
| Inventory Objective 5900 | Actual Training Expenditures | Other than Training Usage | | Disposals (Vehicles/Other) | | Vehicles Eligible for FY 2004 Replacement: | | Aircraft: TOAI: |
| Assets Rqd For Combat Loads: | FY 2003 thru 31 Jul 03 | FY 2003 thru 31 Jul 03 | | FY 2003 thru 31 Jul 03 | | Vehicles Eligible for FY 2005 Replacement: | | PAA: TAI |
| WRM Rqmt: | FY 2002: | FY 2002: | | FY 2002: | | Vehicle Augment: | | Attrition Res: |
| Pipeline: | FY 2001: | FY 2001: | | FY 2001: | | | | BAI |
| Other: | FY 2000: | FY 2000: | | FY 2000: | | | | Inactive Inv: |
| TOTAL: | | | | | | | | Storage: |
| Remarks: | | | | | | | | |

P-1 SHOPPING LIST

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