A new Program Element (PE)(1160477BB) was established beginning in FY 2009 for SOF Weapon Systems. FY 2009-2013 resources were moved from PE 1160404BB Special Operations Tactical Systems Development.

A. Mission Description and Budget Item Justification: This program element provides for development, testing, and integration of specialized weapon systems, weapon accessories and ammunition to meet the unique requirements of Special Operations Forces (SOF). This specialized equipment will permit small, highly trained forces to conduct required operations across the entire spectrum of conflict. These operations are generally conducted in harsh environments, for unspecified periods and in locations requiring small unit autonomy. SOF must infiltrate by land, sea, and air to conduct unconventional warfare, direct action, or deep reconnaissance operations in denied areas against insurgent units, terrorists, or highly sophisticated threat forces. The requirement to operate in denied areas controlled by a sophisticated threat mandates that SOF systems remain technologically superior to threat forces to ensure mission success.

B. Program Change Summary:

<table>
<thead>
<tr>
<th>Item Description</th>
<th>FY07</th>
<th>FY08</th>
<th>FY09</th>
<th>FY10</th>
<th>FY11</th>
<th>FY12</th>
<th>Cost to Complete</th>
<th>Total Cost</th>
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<tbody>
<tr>
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<td>2.759</td>
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</table>
Funding:

FY07: No change.

FY08: No change.

FY09: Increase of $2.759 million is the result of establishing a new PE. Funds were moved from PE 1160404BB Special Operations Tactical Systems Development.

Schedule: None.

Technical: None
A new program element 1160477BB, SOF Weapons Systems was established for this project beginning in FY 2009. FY 2009-2013 resources were moved from program element 1160404BB, Special Operations Tactical Systems Development.

A. Mission Description and Budget Item Justification: This project provides for development and testing of specialized, lightweight individual weapons, fire control/surveillance devices, and combat equipment to meet the unique requirements of Special Operations Forces (SOF). SOF often deploy as small, independent, quick reaction, foot-mobile teams independent of primary logistics support. Existing weapons and combat equipment are frequently unsuited to these conditions. Sub-projects include:

- Family of Sniper Detection Systems (FSDS). Provides the capability for SOF units to rapidly locate the position of a sniper’s origin of fire in near-real-time. Detects and locates small arms gunfire from 5.56mm, 7.62mm and .50 caliber weapons for the conduct of counter-sniper operations. This system also provides passive area surveillance at day or night and can be configured for urban or rural environments. This program was increased by an FY 2007 Congressional add.

- Family of Sniper Weapons (FSW) formerly Heavy Sniper Rifle (HSR). Precision Sniper Rifle (PSR) will characterize .338 ammunition and upgrade existing MK13 sniper weapons (300 WinMag) to a new caliber. The .338 round provides SOF with a highly accurate round for target engagements with ranges up to 1500 meters or more. The Anti-Materiel Rifle (AMR) will pursue technology that will provide SOF with accurate engagement capabilities on hard target, critical nodes, and other materiel.

- Lightweight Anti-Armor Weapon (LAW) Confined Space. The M72 66mm Lightweight Attack Weapon is a shoulder-fired, man-portable, self-contained, single use, lightweight rocket. The LAW has two warhead variants—the Anti Armor (AA) and Anti Structural Munitions (ASM) warheads. The LAW has two propulsion variants—the current rocket motor and the Fire From Enclosure (FFE) propulsion system that is under development. This program was increased by an FY 2006 Congressional add.

- Weapons Accessories formerly M4A1 SOF Carbine Accessory Kit (M4MOD). The Weapons Accessories program, enhances all SOF weapons by using the latest technological advances in optional accessories (up to 30 different functions/capabilities) such as day scopes, night scopes, active aiming laser module, visible lights, grenade launchers, suppressors, hand grips, and close quarters battle sights. These accessories greatly enhance the lethality of the weapon system and the survivability of the SOF operator. This program was

- Weapons Shot Counter. This was a FY 2007 Congressional add to develop a device to improve the reliability and maintainability of weapons used by the SOF operator. These devices will provide the Unit Armorer a means to track the number of rounds fired and anticipate the need for maintenance and repair prior to the firearms failure, ultimately minimizing or eliminating parts failures and malfunctions in combat.

- SOF Laser Range Finder and Designator (SOFLRD). The SOFLRD will be a combined laser range finder, geological locator, and laser designator for directing both Global Positioning System (GPS) and laser guided munitions.

- SOF Visual Augmentation Systems Binocular/Monocular (SOVAS B/M). The SOVAS B/M program is developing the next generation SOF night vision goggle. This goggle will incorporate a fusion sensor that includes both image intensification and thermal imagery. This capability will allow the SOF operator to conduct mission in the full spectrum of ambient light levels.

- Precision Laser Targeting Device (PLTD). The PLTD will be a hand-held laser range finder and targeting device with an embedded GPS to provide the SOF operator with the ability to direct close air support missions by determining the geo-location of a target to support the delivery of GPS-guided munitions.

- SOF Combat Assault Rifle (SCAR). SCAR is an evolutionary acquisition, incremental approach that will provide the SOF operator with a 5.56 mm (SCAR-L) and a 7.62mm (SCAR-H) family of rifles that are modular in barrel length. SCAR variants will replace a suite of weapons currently in the SOF inventory. The objective design of SCAR is a single upper receiver assembly that is capable of accepting 5.56 NATO, 7.62 NATO and any other caliber ammunition developed and will be the primary focus. SCAR includes the 40mm Enhanced Grenade Launcher Module (EGLM), which replaces the M203 grenade launcher. EGLM includes a fire control unit (FCU) that provides precision ballistic solution. Enhanced ammunition for both SCAR and EGLM will be developed. This program was increased by a FY 2007 Congressional add.

- SOF Personal Equipment Advanced Requirements (SPEAR). SPEAR develops and acquires items that provide SOF Personnel required protection from natural threats (environmental, terrain, etc.), enemy (ballistics, laser, blunt trauma) threats, and survival items that allow them to perform at the required level to meet SOF Missions. SPEAR Kit includes; 1) ballistic armor, helmets, and eye wear, 2) cold weather, maritime and other protective clothing, 3) communication headsets and equipment, 4) load carriage and backpack
systems, and other systems that address SOF operator deficiencies with regard to survival and mission execution in all terrains, climates and environments worldwide.

- Artic/Mountain Climbing Warfare Boot. This was a FY 2006 and FY 2007 Congressional add to conduct market surveys for Commercial-off-the-shelf (COTS) products to conduct combat evaluations or develop a warfare boot that can provide the SOF operator footwear flexibility and protection in harsh warfare environments.

- Combat Boot-Polyurethane. This was a FY 2007 Congressional add to conduct market surveys for COTS products to conduct combat evaluations or develop a Polyurethane Combat Boot that can provide the SOF operator footwear flexibility and protection in harsh warfare environments.

- SOF Tactical Boot Suite Development. This was a FY 2007 Congressional add to develop a family of boots for use by the SOF operator in various mission sets and environments.

- Tactical Combat Casualty Care Equipment – Kit (TCCCEKIT). The TCCCEKIT is a technology transfer initiative to identify a variety of medical items and equipment approved by the Food and Drug Administration to include intraosseous infusion devices, patient monitoring and assessment devices, emergency airway kits, and devices that support patient management and enroute care capabilities for the far-forward treatment of SOF casualties in remote and austere environments.

- Multi-User Panoramic Synthetic Vision System. This initiative is a FY 2008 Congressional add. Provides for the evaluation of panoramic synthetic vision systems technology. Supports development of enhancements for perimeter protection and situational awareness.

- Nickel Boron Coating. This initiative was funded by Congressional adds in FY 2006 and FY 2007. Nickel Boron Coatings technology has the potential to provide a lubrication-free operation and corrosion protection to pistols, semi-automatic rifles and machine guns.

- Holographic Close Combat Optic. This initiative was funded by a FY 2007 Congressional add. Holographic sights provide operators with a rapid target acquisition display to engage in close quarters as well as distant targets with increased identification and accuracy.

- Special Operations Forces Advanced Mission Planning Tools. This initiative was funded by a FY 2008 Congressional add.
Provides modernization to flight performance modules used to quickly calculate aircraft performance in preparation for SOF missions.

- SOF Special Purpose Tagging, Tracking and Locating Tool Kit. This initiative is a FY 2008 Congressional add. Provides for the development of tools for the operators to locate, identify, and defeat enemy forces in the Global War on Terror (GWOT).

- Expendable AirDrop Delivery Systems: Demonstrate utility of low-cost guided and unguided small cargo payload system for SOF resupply operations.

### B. Accomplishments/Planned Program

<table>
<thead>
<tr>
<th>Initiative</th>
<th>FY07</th>
<th>FY08</th>
<th>FY09</th>
</tr>
</thead>
<tbody>
<tr>
<td>Family of Sniper Detection Systems (FSDS) (formerly HSR)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RDT&amp;E Articles Quantity</td>
<td>1.170</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FY07</td>
<td>This initiative was a Congressional add. Developed a version of the FSDS to integrate onto combatant craft.</td>
<td></td>
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<tr>
<td>Extra of Sniper Weapons (FSW)</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>RDT&amp;E Articles Quantity</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FY07</td>
<td>FY08</td>
<td>FY09</td>
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<tr>
<td>Lightweight Anti-Armor Weapon (LAW) Confined Space (CS)</td>
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<tr>
<td>RDT&amp;E Articles Quantity</td>
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</tr>
<tr>
<td>FY07</td>
<td>FY08</td>
<td>FY09</td>
<td></td>
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<tr>
<td>Weapons Accessories (Formerly M4MOD)</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>RDT&amp;E Articles Quantity</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>FY07</td>
<td>FY08</td>
<td>FY09</td>
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<tr>
<td>Tested and evaluated Mini Day/Night Sight (MDNS) project improvements.</td>
<td></td>
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<tr>
<td>FY08 Pursue fused clip-on imaging device through market research, industry conference, and solicitation to replace two systems:</td>
<td>Image</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Intensified Clip-on Night Vision Device (CVND-I2) and Thermal Clip-on Night Vision Device (CNVD-T)
FY09 Conducts user assessments, test and evaluation and source selection of CNVD-F (Fused), and begins efforts on Family of Muzzle Brake Suppressors.

<table>
<thead>
<tr>
<th></th>
<th>FY07</th>
<th>FY08</th>
<th>FY09</th>
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</thead>
<tbody>
<tr>
<td>Weapons Shot Counter</td>
<td>.974</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RDT&amp;E Articles Quantity</td>
<td></td>
<td></td>
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</tbody>
</table>

FY07 This initiative was a Congressional add. Developed a shot counter capability for machine guns and heavy weapons.

### SOF Laser Range Finder and Designator (SOFLRD)

<table>
<thead>
<tr>
<th></th>
<th>FY07</th>
<th>FY08</th>
<th>FY09</th>
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</thead>
<tbody>
<tr>
<td>RDT&amp;E Articles Quantity</td>
<td>3.411</td>
<td></td>
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</tbody>
</table>

FY08 Develop the next generation laser range finder and designator to support the delivery of laser guided and Global Positioning System (GPS) guided missiles and munitions.

### Special Operations Visual Augmentation Systems Binocular/Modular (SOVAS B/M)

<table>
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<tr>
<th></th>
<th>FY07</th>
<th>FY08</th>
<th>FY09</th>
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<tbody>
<tr>
<td>RDT&amp;E Articles Quantity</td>
<td>1.463</td>
<td></td>
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</table>

FY08 Develop an advanced Night Vision Goggle system (i.e., sensor fusion), increasing the capabilities of the existing goggles.

### Precision Laser Target Device (PLTD)

<table>
<thead>
<tr>
<th></th>
<th>FY07</th>
<th>FY08</th>
<th>FY09</th>
</tr>
</thead>
<tbody>
<tr>
<td>RDT&amp;E Articles Quantity</td>
<td>3.300</td>
<td>.973</td>
<td></td>
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</tbody>
</table>

FY07 Procured long lead items for the development of four Low Rate Initial Production (LRIP) PLTDs. FY08 Continues weight reduction and miniaturization of the inertial navigation system.

### SOF Combat Rifle (SCAR)

<table>
<thead>
<tr>
<th></th>
<th>FY07</th>
<th>FY08</th>
<th>FY09</th>
</tr>
</thead>
<tbody>
<tr>
<td>RDT&amp;E Articles Quantity</td>
<td>4.904</td>
<td>2.001</td>
<td></td>
</tr>
</tbody>
</table>

FY07 Continued development of the SCAR Sniper Support Rifle (SSR) and the Fire Control Unit (FCU) on the Enhanced Grenade Launcher Module (EGLM). The Initial Operational Test and Evaluation of the SCAR was funded by a FY 2007 Congressional add. FY09 Completes development of SCAR SSR and FCU on the EGLM. Conduct user assessment, test and evaluation of objective SCAR SSR.
Polyurethane Combat Boot  
FY07: .974  
FY08:  
FY09:  
RDT&E Articles Quantity

FY07 This initiative was a Congressional add. Developed United States manufacturing capability for polyurethane direct injection and conducted early user assessment.

SOF Personal Equipment Advanced Requirement (SPEAR)  
FY07: 3.543  
FY08: 2.048  
FY09:  
RDT&E Articles Quantity

FY07 Completed development of ballistic eyewear, body armor, eye protection, and backpacks.  
FY08 Initiate development of the next generation headset for the Modular Integrated Communication Helmet (MICH) and environmental protection for extremities and maritime.

SPEAR-Artic/Mountain Climbing Warfare Boot  
FY07: .974  
FY08:  
FY09:  
RDT&E Articles Quantity

FY07 This initiative was a Congressional add. Research, develop, test and evaluate an extreme cold weather boot for SOF operators.

SOF Tactical Boot Suite Development  
FY07: .974  
FY08:  
FY09:  
RDT&E Articles Quantity

FY07 This initiative was a Congressional add. Researched, developed, tested and evaluated a SOF peculiar boot suite.

Tactical Combat Casualty Care Equipment Kit (TCCCEKIT)  
FY07: .499  
FY08: .698  
FY09:  
RDT&E Articles Quantity

FY07 Entered concept development for modernization of SOF medical capabilities for operating in austere environments. Initiated prototype demonstrations of lighter, more efficient medical Sets, Kits and Outfits (SKOs) and far-forward surgical capabilities. Conduct operational assessment of SKOs in preparation for procurement and fielding.  
FY08 Initiates evaluation and qualification of SOF Surgeon and Casualty Evacuation (CASEVAC) kits.
<table>
<thead>
<tr>
<th>Appropriation/Budget Activity</th>
<th>FY07</th>
<th>FY08</th>
<th>FY09</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weapons and Support Systems Advanced Development /Project S375</td>
<td></td>
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</table>

| Multi_User Panoramic Synthetic Vision System | 2.339 |      |      |
| RDT&E Articles Quantity | FY08 |      |      |
| This initiative was a Congressional add. Developed technology associated panoramic vision systems. | | | |

| Nickel Boron Coating | .974 |      |      |
| RDT&E Articles Quantity | FY07 | FY08 | FY09 |
| This initiative was a Congressional add. Continued the effort to test and evaluate a nickel boron coating on SOF machine guns. | | | |

| Holographic Close Combat Optic | .974 |      |      |
| RDT&E Articles Quantity | FY07 | FY08 | FY09 |
| This initiative was a Congressional add. Developed a Holographic Close Combat Optic application to be utilized on low velocity 40mm weapons and heavy machine guns. | | | |

| Special Operations Forces Advanced Mission Planning Tools | 3.118 |      |      |
| RDT&E Articles Quantity | FY07 | FY08 | FY09 |
| This initiative is a Congressional add. Develops software tools that enable management flight performance modules in preparation for SOF missions. | | | |

| Special Operations Forces Special Purpose Tagging, Tracking, and Locating Took Kit | .974 |      |      |
| RDT&E Articles Quantity | FY07 | FY08 | FY09 |
| This initiative is a Congressional add. Provides for the development of tools for operators to locate, identify and defeat enemy forces. | | | |

| Expendable AirDrop Delivery System | .780 |      |      |
| RDT&E Article Quantity | FY07 | FY08 | FY09 |
| This initiative is a Congressional add. Provides for the evaluation of technology associated with expendable airdrop delivery systems. | | | |
C. Other Program Funding Summary:

<table>
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<th></th>
<th>FY07</th>
<th>FY08</th>
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<th>FY12</th>
<th>FY13</th>
<th>To Complete</th>
<th>Total Cost</th>
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</table>

D. Acquisition Strategy.

- **FSW (formerly HSR).** Precision Sniper Rifle will pursue a .338 round to meet range capability gap from 1000-1500m. Anti-Materiel Rifle will pursue technology that will provide SOF with accurate engagement on hard targets, critical nodes, and other materiel.

- **SCAR.** SCAR program develops a weapon system to replace current M4A1, MK18 Close Quarters Battle Rifle (CQBR), MK11 and MK12 Sniper Support Rifles, the M14 Assault Rifle, and the M203 Grenade Launcher. SCAR in its threshold design is a 5.56mm (SCAR-L) and a 7.62mm (SCAR-H) weapon that will have modular barrel lengths to ensure versatility to mission requirement. Spiral development within the program seeks the objective of a single weapon capable of complete caliber modularity. Additionally, the Enhanced Grenade Launcher Module (EGLM) will provide SOF with a 40mm shoulder fired capability. EGLM is compatible with both SCAR-H and SCAR-L and has spiral developments within 40mm ammunition as well as Fire Control capability furthering the combat effectiveness of SOF.

- **Weapons Accessories (formerly M4MOD).** The Weapons accessories program funds efforts to optimize the effectiveness of all SOF weapons in order to increase their operational effectiveness through improved target recognition, acquisition and hit capability during day and night from close quarters to maximum effective range of each weapon. The program spiral develops new capabilities in block upgrades that are first developed and tested, and then fielded to the full spectrum of SOF operators. This program will leverage and then drive the advancement of accessories within this program. All SOF weapons programs leverage the weapons accessories program to increase operational effectiveness. Blocks include family of muzzle brake suppressors, Clip-On Night Vision Devices (CNVD)—Image Intensified, CNVD-Thermal, and CNVD-Fused, as well as numerous other components designed to enhance the capabilities of the weapon while at the same time combining capabilities into single, smaller devices.
<table>
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<th>Cost Categories</th>
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<th>Performing Activity &amp; Location</th>
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<th>Budget Award FY07 Date</th>
<th>Award FY08 Cost Date</th>
<th>Budget Award FY08 Date</th>
<th>Award FY09 Cost Date</th>
<th>Budget Award FY09 To Complete</th>
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<td>1.881</td>
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<td>M4MOD Shot</td>
<td>CPFF</td>
<td>PM Sensors &amp; Lasers, Ft. Belvoir, VA</td>
<td>2.870</td>
<td>3.300</td>
<td>Sep-07</td>
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<td>SOF Combat Assault Rifle (SCAR) - Sniper Support Rifle (SSR)</td>
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<td>NSWC-Crane, Crane, IN</td>
<td>1.294</td>
<td>1.200</td>
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<td>SOF Combination</td>
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<td>Module (EGLM) - Fire Control Unit</td>
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<td>NSWC-Crane, Crane, IN</td>
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<td>Cont.</td>
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<td>Tactical Combat</td>
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<td>Equipment Kit</td>
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<td>Subtotal Product</td>
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</table>

Remarks:

- Lightweight Anti-Armor Weapon (LAW)
- Various NSWC-Crane, Crane, IN
  - 1.314 1.397 Dec-06
- Weapons Accessories
  - ALLOT NSWC-Crane, Crane, IN
    - 0.413 0.482 Various
- Nickle Boron Coating -CP
  - ALLOT NSWC-Crane, Crane, IN
    - 0.245 0.455 Various
- Shot Counter -SMG CP
  - ALLOT NSWC-Crane, Crane, IN
    - 0.199 0.290 Various
- PLTD
  - CPFF PM Sensors & Lasers, Ft. Belvoir, VA
    - 0.250 0.450 Various

Exhibit R-3, Cost Analysis
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Remarks:

Developmental Test

Family of Sniper Weapons (FSW) Anti-Materiel Rifle (AMR)

FSW Precision Sniper Rifle (PSR)

Shot Counter -SMG CP

Nickel Boron Coating -CP

Weapons Accessories-Enhanced Combat Optical Sight (ECOS) - Close quarter

Weapons Accessories-CNVD-Fused Image

Weapons Accessories-Image Intensified

Weapons Accessories-CNVD-Thermal

Weapons Accessories-ECOS

Weapons Accessories-ECOS- Close quarter

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Family of Muzzle Breaks and Suppressors Heavy (FMBS-H)
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## Exhibit R-3 RDT&E Project Cost Analysis

**DATE:** FEBRUARY 2008

### APPROPRIATION / BUDGET ACTIVITY

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**Remarks:**

Government Eng Spt

- SPEAR | ALLOT | PM Spear, Natick, MA |
- LAW | ALLOT | NSWC-Crane, Crane, IN |
- SCAR | ALLOT | NSWC-Crane, Crane, IN |
- SPEAR Combat boot-CP | ALLOT | PM Spear, Natick, MA |
- SPEAR Artic boot-CP | ALLOT | PM Spear, Natick, MA |
- Multi-Panoramic Vision Sys-CP | ALLOT | TBD |
- Expendable Airdrop Del-CP | ALLOT | TBD |
- Weapons Accessories-Sustain Eng | ALLOT | TBD |
- Travel | FSDS | PM-CCS, Picatinny, NJ |
- M4MOD | ALLOT | NSWC-Crane, Crane, IN |
- SCAR | ALLOT | NSWC-Crane, Crane, IN |
- SPEAR | ALLOT | PM Spear, Natick, MA |

**Total Cost**

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**SOF Advanced Planning Tools-CP**

- Hardware Development

**Expendable Airdrop Delivery System-CP**

- Developmental Support

**Family of Sniper Detection Systems (FSDS) - CP**

- FSDS Block I Variant Hardware Development
- FSDS OT

**Family of Sniper Weapons (FSW) - (formerly HSR)**

- FSW-PSR DT/OT
- FSW Anti Materiel Rifle Development

**SOF Special Purpose Tagging Tracking Locating Tool-CP**

- Developmental Test

**Lightweight Anti-Armor Weapon (LAW) M72**

- LAW Confined Space Development
- LAW-CS MS C

**Weapons Accessories (Formerly M4MOD)**

- Weapon Shot Counter LRIP - CP
- Weapon Shot Counter SMG Development - CP
- Weapon Nickel Boron Coating Lube-free M-4 - CP
- Weapon Nickel Boron Coating Development SMG - CP
- Mini Day/Night Sight (MDNS) Development
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#### Project S375/Weapons Systems Advanced Development

**Program Element Number and Name**: RDT&E/7 PE1160477BB/Special Operations Forces Weapons Systems

**Exhibit R-4, RDT&E Program Schedule Profile**

**Date**: FEBRUARY 2008

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| PLTD BLK II Inertial Navigational System Minaturization, P3I |

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- MS-C Full Rate Product (FRP)
- First Unit and Equipment (FUE)

| SCAR - EGLM System Engineering |
| SCAR - SSR System Engineering |

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- SPEAR Body Armor P3I
  - DT
  - OT
  - MS C
  - IOC

- SPEAR Body Armor Modular Side Armor (MSAP) P3I
  - DT/OT
  - MS C
  - IOC

- SPEAR Backpacks
  - DT
  - OT
  - MS C

- SPEAR Eye Protection
  - MS A/B
  - DT
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**Protective Combat Uniform**

- SPEAR Extremity Protection Gloves MS B: △
- SPEAR Extremity Gloves DT: △

**SPEAR Polyurethane Combat Boot-CP**

- Concept Development: ▲▲
- Early User Assessment: ▲ △

**SPEAR Arctic Warfare Mountaineering Boot-CP**

- Concept Development: ▲▲
- Early User Assessment: ▲ △

**SOF Tactical Boot Suite-CP**

- Concept Development: ▲▲
- Early User Assessment: ▲ △

**SPEAR-Environmental Protection (Developmental Testing)**

**SPEAR Environmental Protection - MARITIME (Developmental Testing)**

**Tactical Combat Casualty Care Equipment Kit**

- Medical and Operator Kits: ▲
- Prototype Demonstrations: ▲▲
- Operational Assessment: ▲▲
- Initial Fielding: ▲
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Exhibit R-4, RDT&E Program Schedule Profile

Date: FEBRUARY 2008

Appropriation/Budget Activity

Program Element Number and Name

Project Number and Name

Project S375/Weapons Systems Advanced Development

RDT&E/7 PE1160477BB/Special Operations Forces Weapons Systems

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R-4, Schedule Profile
## Exhibit R-4a, RDT&E Program Schedule Detail

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## Exhibit R-4a, RDT&E Program Schedule Detail

<table>
<thead>
<tr>
<th>Appropriation/Budget Activity</th>
<th>Program Element Number and Name</th>
<th>Project Number and Name</th>
<th>Date: FEBRUARY 2008</th>
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</thead>
<tbody>
<tr>
<td>RDT&amp;E/7</td>
<td>PE1160404BB/Special Operations Tactical Systems Development (FY06-08)/PE1160477BB/SOF Weapon Systems (FY09-13)</td>
<td>Project 375/Weapons Systems Advanced Development</td>
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### Schedule Profile

#### SPEAR Backpacks (Cont'd)

- **OT**
  - FY2007: 2 - 3Q
  - FY2008: 1Q

- **MS C**
  - FY2007: 1Q

#### SPEAR Eye Protection

- **MS A/B**
  - FY2007: 2 - 3Q
  - FY2008: 2 - 3Q

- **OT**
  - FY2007: 1Q

- **MS C**
  - FY2007: 1Q

- **IOC**
  - FY2007: 3Q

#### SPEAR Modular Integrated Communications Helmet

- **Next Generation Communications Headsets DT/OT**
  - FY2007: 1 - 4Q
  - FY2008: 1Q

#### SPEAR Protective Combat Uniform (PCU)

- **SPEAR-Environmental Protection (Developmental Testing)**
  - FY2007: 2Q

- **SPEAR-Maritime (Developmental Testing)**
  - FY2007: 2Q

- **Extremity Protection Gloves - MS B**
  - FY2007: 2Q

- **Extremity Protection - Gloves - DT**
  - FY2007: 4Q

#### SPEAR Polyurethane Combat Boot-CP

- **Concept Development**
  - FY2007: 2 - 3Q

- **Early User Assessment**
  - FY2007: 3 - 4Q

#### SPEAR Arctic Warfare Mountaineering Boot-CP

- **Concept Development**
  - FY2007: 2 - 3Q

- **Early User Assessment**
  - FY2007: 3 - 4Q

#### SPEAR SOF Tactical Boot Suite Development-CP

- **Concept Development**
  - FY2007: 2 - 3Q

- **Early User Assessment**
  - FY2007: 3 - 4Q

#### Tactical Combat Casualty Care Equipment Kit

- **Medical and Operator Kits**
  - **Prototype Demonstrations**
    - FY2007: 1Q
  - **Operational Assessment**
    - FY2007: 1 - 2Q
  - **Initial Fielding**
    - FY2007: 3Q

- **Tactical Combat Casualty Evacuation (CASEVAC) Kits**
  - **CASEVAC - Concept Development**
    - FY2007: 1-4Q
    - FY2008: 1Q
  - **CASEVAC - Prototype Demonstrations**
    - FY2007: 2 - 4Q

#### Tactical-Combat Casualty Care Equipment Kit

- **SOF Surgeon Kits Development (test articles)**
  - FY2007: 2Q

- **Developmental Testing**
  - FY2007: 3-4Q
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<td>Holographic Close Combat Optic Development –CP</td>
<td>2-4Q</td>
<td>1Q</td>
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