

# Special Operations Forces



## Industry Conference

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Medical Opportunities



# SOF WARRIOR



## PM Medical Mission

Provide rapid and focused acquisition of SOF-unique MEDICAL capabilities to USSOCOM operators conducting decisive ground SOF activities and global operations against terrorist networks

### SOF Unique Medical Attributes:

- Lightest Weight Possible
- Modular, Mission Selectable
- Longest Battery Life
- Multifunctional





## Medical Programs Portfolio



### Medic Kit

**Complements unique medical training and capabilities of SOF Medics and other medical personnel assigned to SOF units**

- Control life-threatening external hemorrhage
- Provide fluid resuscitation
- Administer medications for pain and prevention of infection
- Provide advanced airway intervention
- IV medications, hypothermia prevention, advanced monitoring and diagnostic capabilities, and intraosseous infusions



### Operator Kit

**Designed to improve self-aid and buddy-aid**

- Control life-threatening external hemorrhage
- Administer medications for pain and the prevention of infection
- Maintain airways



## Medical Programs Portfolio

### Casualty Evacuation (CASEVAC) Set

Provides organic unit-level advanced capabilities to rescue, recover, sustain and transport trauma casualties from point of wounding through all phases of CASEVAC

- Comprised of 4 kits and 13 modules capable of being used independently based on mission requirements
- Will stabilize and sustain casualties in the event of a delayed or difficult CASEVAC





## Opportunities: Next 12-18 Months

### Biomedical Initiatives Steering Committee (BISC)

Senior military medical leaders from all USSOCOM components meet to identify medical R&D areas of interest

- Led by USSOCOM Command Surgeon
- \$2,000,000 per year in medical R&D projects
- BAA updated yearly
- Present areas of interest:
  - Damage Control Resuscitation
  - Environment-Specific Medicine
  - Force Protection
  - Canine Medicine

#### Acquisition Strategy

Biomedical R&D Grants/Contracts

#### Period of Performance

3 years (maximum)

#### Milestones

Award Decision 1Qtr FY13

#### Point of Contact

PM Medical

#### Funding

\$1M (Maximum) (NTE \$600K per yr)

#### Current Contract/OEM

N/A



## Opportunities: Next 12-18 Months

### Damage Control Resuscitation

Develop medical techniques and materiel (medical devices, drugs, and biologics) for early intervention in life-threatening battle injuries when MEDEVAC is not possible.

- Global Treatment Strategies
- Field Diagnostics
- Analgesia

### Environment-Specific Medicine

Develop techniques and materiel (medical devices, drugs, and biologics) to ensure sustained human performance and effectiveness while operating in harsh environmental conditions, wearing appropriate personal protective equipment.

- Optimal Acclimatization Strategy
- High Altitude Pulmonary Edema/High Altitude Cerebral Edema
- Chemical, Biological, Radiological, Nuclear, and Explosive Rapid Diagnostics

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## Opportunities: Next 12-18 Months

### Force Protection

Improve on presently fielded items to protect from extreme environments, contaminated areas, and repetitive low-impulse blast exposures.

- Personal Protective Equipment
- Preventive Medicine
- Repetitive low-impulse blast exposure

### Canine Medicine

Sustain canine performance in combat environments.

- Altitude Readiness
- Olfaction
- Optimal Nutrition
- Optimal Trauma Resuscitation Strategy and Anesthesia Protocol
- Visual spectrum
- Post Trauma Training / Behavioral Issues

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# SOF WARRIOR



## Present Medical R&D Projects

(FY) Transition  
Timeframe



**HAMMERHEAD: Underwater Medical Monitoring (FY12-13)**



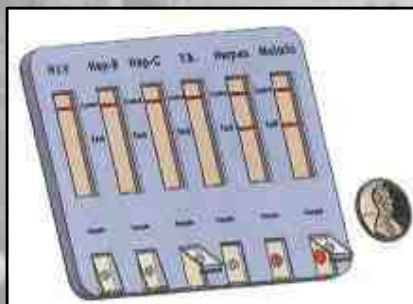
**SEAL SKIN: Hemorrhage Control Dressing (FY12-13)**



**CREST: NSWCC Peak Health And Performance (FY12-14)**



**Canine Hydration Optimization (FY12-13)**



**Blood Donor Pathogen Kit (FY12-13)**



**Respiratory Muscle Training for Performance at Altitude (FY12-13)**





# SOF WARRIOR



Questions?

