

US Special Operations Command

APBI
SOF Unique
Breakout Brief

**Mr. Thomas J. Mills
(PM SOF-SSES)**



OPSEC U11-539

Derived From: _____ N/A _____
Declassify On: _____ N/A _____

The overall classification of this briefing is:

UNCLASSIFIED

UNCLASSIFIED



PEO – SW Mission

**Equip Special Operations Forces for Decisive
Engagement While Conducting Ground
SOF Activities
&
Counter Terrorism and Counter WMD
Proliferation Missions**

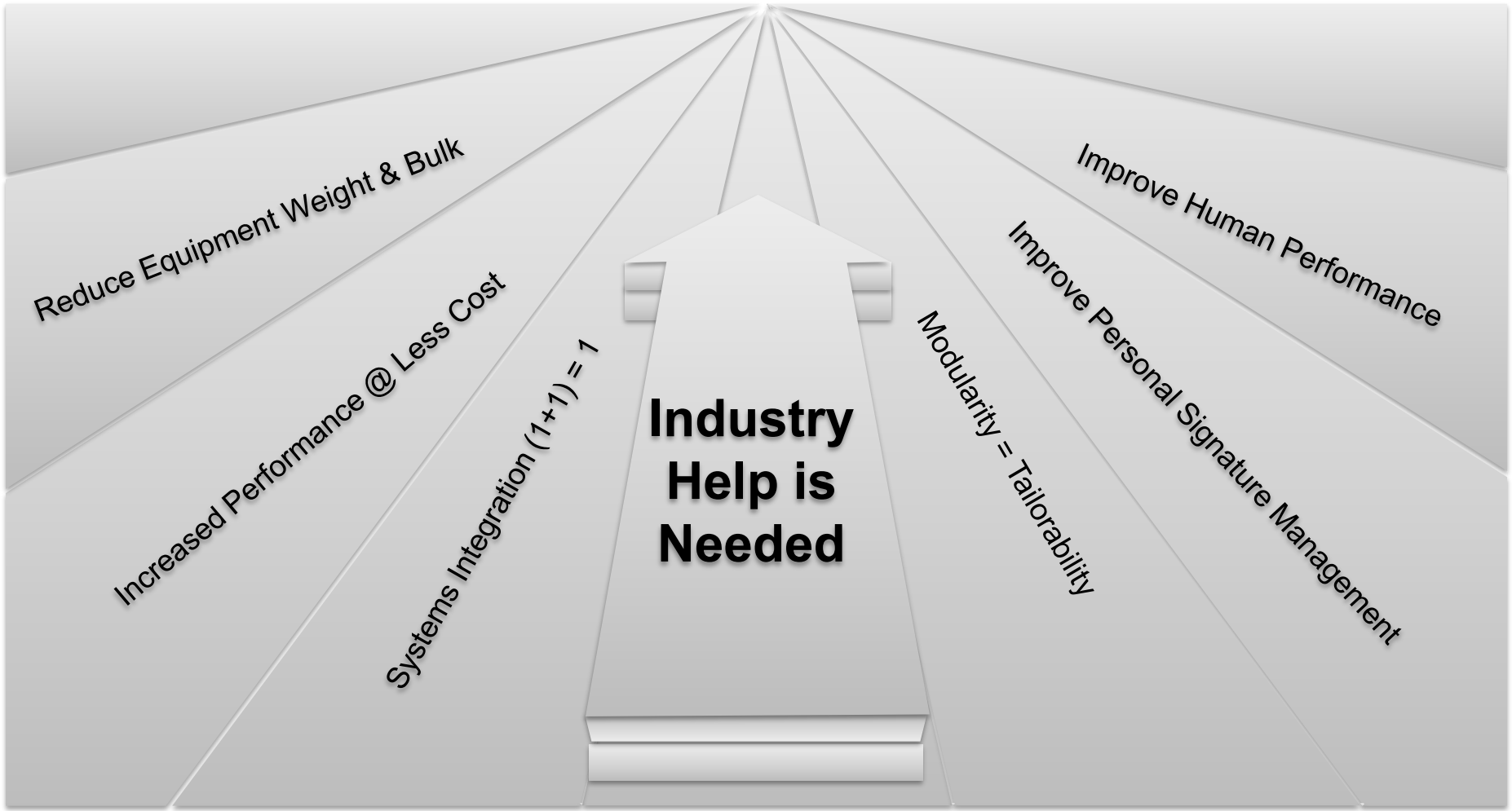


PM SOF-SSES Mission

- USSOCOM Acquisition Executive chartered Program Manager and Program Management Office.
- Responsible for providing management, direction and guidance for the planning, development, acquisition, testing, fielding and product improvement efforts for the USSOCOM Survival, Support and Equipment Systems programs and products.
- Cradle-to-Grave Life Cycle Management.



Focus Areas





Briefing Agenda

- **Business Model Elements**
- **Commodity Areas**
 - **Backpacks**
 - **Extremity Protection**
 - **Clothing Systems**
 - **Load Carriage**
 - **Body Armor Vests**
 - **Land/Maritime Comms**
 - **Eye Protection**
 - **VAS Mounts**
 - **Ballistic Plates**
 - **Soft Armor**
 - **Helmets**
 - *Tactical Combat Casualty Care*
- **Questions**
- **Re-compete Schedule**



PMO Business Model Elements

- **Model Based on the establishment of 5 Year Contract mechanisms (where applicable),**
- **Re-competes held in 4th year of existing contract to ensure overlap/sustainability,**
- **R&D and O&M (case dependent) utilized to provide technology transfer and infusion to existing items during life of contract,**
- **Most selection boards are joint service.**



SPEAR, BALCS, Backpack Suite



**CONTACT INFORMATION: Mike McMahon,
508-233-5435**

REQUIREMENT: BALCS, ANNEX B, Dated 5 JUN 06

CONTRACT TYPE: Multiple IDIQ Contracts



CURRENT CONTRACT AWARD: Courier/Assault - FY07, Patrol/Recce - FY08

WHAT IS IT? A suite of four different backpacks that fulfill specific mission requirements and vary by size.

RECOMPETE BAR

FY11	FY12	FY13	FY14	FY15	FY16	FY17
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SPEAR, BALCS, Backpack Suite



Future Requirements or Desired Technologies:

- Innovative load distribution techniques,
- Weight reduction
 - dry and wet conditions
- Complete signature management profile in accordance with performance specification and program requirements,
- Innovative trims (Buckles, Zippers, Hook and Loop closures, etc)





Extremity Protection Suite (MGS)



CONTACT INFORMATION:

Charlotte Jennings, 508-233-6996

REQUIREMENT: LEPCU ORD, Annex A,
Dated 08 JAN 02

CONTRACT TYPE: SBIR Phase III

CURRENT CONTRACT AWARD: FY08



WHAT IS IT? A kit of four unique gloves and one mitten which provides a modular extremity protection capability paired with the Protective Combat Uniform Block 1 cold weather clothing system.

RECOMPETE BAR

FY11	FY12	FY13	FY14	FY15	FY16	FY17
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Extremity Protection Suite (MGS)



Future Requirements or Desired Technologies:

- **Weight reduction in materials**
- **Improved insulation technologies (decrease bulk to increase dexterity),**
- **Internal heating element with lightweight power source (i.e. Active Heating Technology Solutions),**
- **Complete signature management profile in accordance with performance specification and program requirements.**



Protective Combat Uniform



CONTACT INFORMATION:

Charlotte Jennings, 508-233-6996

REQUIREMENT: LEPCU ORD, Annex A,
Dated 08 JAN 02

CONTRACT TYPE: Fed Proc List (FPL)

CURRENT CONTRACT AWARD: NA



WHAT IS IT? A cold weather clothing system consisting of seven levels which provide a tailorable capability from temperate temperatures to extreme cold (-50 degrees F).

RECOMPETE BAR

FY11	FY12	FY13	FY14	FY15	FY16	FY17
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Protective Combat Uniform

Future Requirements or Desired Technologies:

- **Weight reduction in materials**
- **Improved insulation technologies (lighter weight loft with same warmth and performance when wet),**
- **Materials providing protection against multiple environmental elements (i.e. wind & water resistance),**
- **Innovative trims (buttons, zippers, hook and loop closures, etc),**
- **Complete signature management profile in accordance with performance specification and program requirements.**



SPEAR, BALCS, Load Carriage Suite



CONTACT INFORMATION:

Mike McMahon, 508-233-5435

REQUIREMENT: BALCS ORD, Annex B,
Dated 05 JUN 06

CONTRACT TYPE: 5 YEAR IDIQ

CURRENT CONTRACT AWARD: FY08



WHAT IS IT? A comprehensive family of load carriage items to include all pouches and platforms required by the four USSOCOM Component Commands.

RECOMPETE BAR

FY11	FY12	FY13	FY14	FY15	FY16	FY17
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SPEAR, BALCS, Load Carriage Suite



Future requirements or desired technologies:

- Innovative load distribution techniques,
- Weight reduction without significant durability trades,
- Innovative trims (buckles, zippers, etc),
- Complete signature management profile in accordance with performance specification and program requirements.



SPEAR Body Armor Vests



CONTACT INFORMATION:

Mike McMahon, 508-233-5435

REQUIREMENT: BALCS ORD, Annex B,
Dated 05 JUN 06

CONTRACT TYPE: 5 YEAR IDIQ

CURRENT CONTRACT AWARD: FY08

WHAT IS IT? A family of armor carriers* that carry SOF unique ballistic plates and soft armor to support a range of Special Operations mission profiles.



RBAV



MBAV

RECOMPETE BAR

FY11	FY12	FY13	FY14	FY15	FY16	FY17
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****NOTE: Low Visibility Body Armor Vest Not Shown***



SPEAR Body Armor Vests



Future Requirements or Desired Technologies:

- Weight reduction without durability trades,
- Innovative trims (buckles, zippers, etc),
- Innovative vest release mechanisms or designs,
- Innovative load carriage or suspension concepts,
- Complete signature management profile in accordance with performance specification and program requirements.



MICH Communications Land and Maritime Solutions



CONTACT INFORMATION:

Al Chisholm, 508-233-6240

REQUIREMENT: MICH ORD, Annex C,
Dated 14 MAY 00

CONTRACT TYPE: 5 YEAR IDIQ

CURRENT CONTRACT AWARD: FY10



WHAT IS IT? A family of communications headsets and ancillary equipment which provides SOF Operators the ability to communicate over a myriad of radios and platforms in both maritime and land environments.

RECOMPETE BAR

FY11	FY12	FY13	FY14	FY15	FY16	FY17
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NOTE: Maritime - FY12, FY16, Land Comms - FY15



MICH Communications Land and Maritime Solutions



Future Requirements or Desired Technologies:

- Improvement of speech intelligibility in inner-aural headsets,
- Reduction in weight/size of PTTs without effecting operational use,
- Data or a method of developing data which shows realistic hearing protection requirements across all spectrums of SOF use (both steady state and impulse stimulus),
- Improved integration of eyewear with circum-aural headsets,
- 66ft 3 hour diveable and high noise environment headsets.



SPEAR, BALCS, Family of Ballistic Plates



CONTACT INFORMATION:
Matt Clark, 508-233-4212

REQUIREMENT: BALCS ORD, Annex B,
Dated 05 JUN 06

CONTRACT TYPE: 5 YEAR IDIQ

CURRENT CONTRACT AWARD: FY08



WHAT IS IT? A suite of ballistic plates which perform to various standards and integrate into SOF unique load carriage systems and armor vests.

RECOMPETE BAR

FY11	FY12	FY13	FY14	FY15	FY16	FY17
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SPEAR, BALCS, Family of Ballistic Plates



Future Requirements or Desired Technologies:

- Reduction in weight of the next SPEAR plate (<6 psf),
 - Worn in conjunction with soft armor
- Reduction in weight of the next tactical stand alone plate (< 6.25 psf)
- Reduced cost
- Advanced non-destructive inspection testing techniques for ceramic based armor and aramid / polyethylene complex curves/shapes that are able to detect flaws in all layers of the laminate systems in both field use and in process and sustainment environments



SPEAR, BALCS, Soft Armor



CONTACT INFORMATION:

Matt Clark, 508-233-4212

REQUIREMENT: BALCS ORD, Annex B,
Dated 05 JUN 06

CONTRACT TYPE: 5 YEAR IDIQ

CURRENT CONTRACT AWARD: FY05



MBAV CUT



RBAV CUT

WHAT IS IT? A soft armor solution (various configurations) which pair with certain SOF unique ballistic plates to provide required protection levels.

RECOMPETE BAR

FY11	FY12	FY13	FY14	FY15	FY16	FY17
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SPEAR, BALCS, Soft Armor



Future Requirements or Desired Technologies:

- Reduction in weight of the next SPEAR soft armor vest (< .70 psf)
- Increased ballistic performance
- Reduced cost
- Increased comfort and durability
- Unique soft armor outer cover materials and seaming technologies
 - Detection of seam failures and water intrusion
- Less overt



SOEP-Special Operations Eye Protection



CONTACT INFORMATION:

Jason Kruse, 508-233-6203

REQUIREMENT: SOEP ORD, Annex D,
Dated 05 JUN 06

CONTRACT TYPE: 5 YEAR IDIQ

CURRENT CONTRACT AWARD: FY07



WHAT IS IT? A kit containing a ballistic and laser protective goggles and spectacles that is accompanied by a suite of compatible lenses.

RECOMPETE BAR

FY11	FY12	FY13	FY14	FY15	FY16	FY17
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SOEP-Special Operations Eye Protection



Future Requirements or Desired Technologies:

- Improved fog resistance
- Improved interoperability with high noise communication headsets and other head-borne equipment
- Improved ballistic protection
- Improved scratch resistance
- Variable transition lenses
- Complete signature management profile in accordance with performance specification and program requirements.



VAS MOUNT

(VISUAL AUGMENTATION SYSTEM)



CONTACT INFORMATION:

John Roche, 508-233-5563

REQUIREMENT: MICH ORD, Annex C,
Dated 14 MAY 00

CONTRACT TYPE: 5 YEAR IDIQ

CURRENT CONTRACT AWARD: FY08



WHAT IS IT? A suite of VAS mounts which allow SOF Operators to utilize SOCOM unique night vision equipment and service common visual augmentation equipment with currently fielded helmet solutions or as a standalone.

RECOMPETE BAR

FY11	FY12	FY13	FY14	FY15	FY16	FY17
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VAS MOUNT

(VISUAL AUGMENTATION SYSTEM)



Future Requirements or Desired Technologies:

- **Lighter weight than current materiel solutions**
- **Reduced cost**
- **Increased durability**
- **Lower profile in stowage position**
- **More stable VAS platform (i.e. ocular alignment while in motion) to include life cycle performance**
 - **Designed as a system along with other head borne equipment**
- **Forward and backward compatibility**
 - **Operate with existing and new night vision devices**
- **Provide universal helmet connection**
- **Complete signature management profile in accordance with performance specification and program requirements.**



Modular Integrated Communication Helmet(s)



CONTACT INFORMATION:
John Roche, 508-233-5563

REQUIREMENT: MICH ORD, Annex C,
Dated 14 MAY 00

CONTRACT TYPE: 5 YEAR IDIQ

CURRENT CONTRACT AWARD: EST 4QTR FY11



WHAT IS IT? A family of ballistic and non-ballistic helmet solutions which provide varying levels of mission specific protection.

RECOMPETE BAR

FY11	FY12	FY13	FY14	FY15	FY16	FY17
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MICH Ballistic Helmet

Future Requirements or Desired Technologies:

- Reduction in weight of the next MICH Helmet (< 1.25 psf)
- Reduced cost
- Increased slow impact protection, (> 14fps @ 150 G's)
- Increased stability for improved NVG operation
 - Design helmet as a system
- Advanced non-destructive testing techniques for other materials, i.e. polyethylene and handle complex shapes, i.e. helmets
- Improved test methodologies linked to medical data
- Complete signature management profile in accordance with performance specification and program requirements.



Tactical Combat Casualty Care



CONTACT INFORMATION:

Scott Williams, 508-233-5953

REQUIREMENT: TCCC Increment 2 CDD, DEC '08

CONTRACT TYPE: 5 YEAR IDIQ

CURRENT CONTRACT AWARD: NA

Under Solicitation--No
Picture Shown

WHAT IS IT? A family of casualty evacuation equipment and field medical equipment to support the SOF operator from point of wounding through definitive care.

RECOMPETE BAR

FY11	FY12	FY13	FY14	FY15	FY16	FY17
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Tactical Combat Casualty Care



Future Requirements or Desired Technologies:

**NOTE: No Future Requirements
Shown Until FY12 APBI**



QUESTIONS



Recompete Schedule Overview



	FY11	FY12	FY13	FY14	FY15	FY16	FY17
Backpacks		X					X
Extremity Protection		X					X
Load Carriage			X				
Eye Protection	X					X	
VAS Mounts		X					X
Ballistic Plates		X					X
Soft Armor	X					X	
Armor Vests		X					X
Helmets	X					X	
Land Comms					X		
Maritime Comms		X				X	
Tactical Casualty					X		