



CENTER OF OUR STRENGTH

Program Executive Office Soldier



Rapid Fielding Initiative

Advance Planning Brief to Industry

12 May 2011



Agenda



- FY10/11 RFI Status
- FY10/11 RFI Equipment List
- Lean Fielding
- Future Outlook
- Points of Contact
- Questions



FY10/11 RFI Status



- FY10/11 RFI list currently being staffed for adjustments, and pending approval, this list will be in effect until FY12 list is approved
 - FY12 list is being staffed concurrently with the update to FY10/11 list
 - Expect FY12 list approval NLT June 2011
- Nearly two-thirds equipment for FY11 fieldings have been procured, deliveries on-going
 - Procured through Army contracts, DLA Troop Support prime vendor program, GSA, DoD depots
 - No items on proposed FY12 List have been procured
- Fielded 126,000 Soldiers to date
- Plan to field additional 66,000 Soldiers thru FY11 (approximately 13K/mo)



FY10/11 RFI Equipment List



Soldier Equipment

Advanced Combat Helmet (includes cover and ERS) (1/Soldier)
Army Combat Shirt (4/Soldier)
ACH Front Bracket (NOD) (1/Soldier)
Ballistic Spectacles Kit (1/Soldier)
Boots, Combat Mountaineering
(2pr/Soldier – OEF BCT)
Combat Glove (2pr/Soldier)
Winter Glove (1pr/Soldier)
Duffel Bag (1/Soldier)
ECWCS III (1set/Soldier)
Goggles Kit (1/Soldier)
Hydration Cleaning Kit (1/Soldier)
IFAK w/ Combat Gauze (1/Soldier)
or **IFAK Contents Kit** (1/Soldier)
Knee and Elbow Pads (1set/Soldier)
Lightweight Performance Hood (2/Soldier)
Modular Sleep System (1/Soldier)
MOLLE Lg Ruck Set (1/Soldier)
MOLLE Rifleman Set (1/Soldier)
MOLLE Med Ruck (1/BCT Soldier)
MOLLE Hydration Bladder Kit (1/Soldier)
Multipurpose Tool (1/Soldier)
NAPE (1/Soldier)
Sports Bra (4/Female Soldier)
Strap Cutter (1/Soldier)
Tactical Assault Panel (1/Soldier)
Visual Language Translator Cards
(1/Soldier)

Unit Equipment

Modular M9 Holster (1/Pistolman)
MOLLE – Grenadier (1/Grenadier)
MOLLE – Medic (1/Medic)
MOLLE – Pistolman (1/Pistolman)
MOLLE – SAW Gunner (1/SAW Gunner)
Survival Axe (1/5 Soldiers)
Weapon Light
**Medical Visual/Language
Translator Card** (1/Medic)
**Military Police Visual/Language
Translator Card** (1/MP)
MICH (Dual Comms Sub-System)
(1/MBITR Operator)
Combat Ear Plugs (1.5sets/Soldier)
Flex Cuffs (3/Soldier)
Infrared (IR) Strobe, Large (1/5 BCT Soldiers)
Infrared Strobe, Small w/ 9V Battery (1/Soldier)
**ACH Initial Spares (Chin Strap, Hardware, and
Pads)** (1/Soldier)
Ghillie Suit w/ IGS AK (2/Sniper Team)
FR-ACU Repair Kits (1/5 Soldiers)

M24 Small Binoculars (1/4 Soldiers)
M68 CCO (1/Rifleman w/o RCO)
M150 RCO
M4/M16 Magazine, Improved (7/Rifleman)
CQB M4 Forward Grip Bipod (1/Rifleman)
CQB Forward Rail Bracket (1/Rifleman)
CQB Improved Gun Cleaning Kit (1/Rifleman)
CQB Multi-Magazine Holder (1/Rifleman)
CQB Three-Point Sling (1/Rifleman)
Quick Fire Sight
Improved Spotting Scope w/Tripod (1/Sniper
Team)
Laser Target Locator System

CVC / Air Crew Equipment

CVC/Aviation Boots, (FR/HW) (1/Av/CVC)
FREE (1/Aviator/CVC)
Flyers Glove (2/Aviator)

Blue = SCIE item
Red = SPE item
Green = SSL item
Black = WPN item



Adjusted FY10/11 List



- Revised FY10-11 Rapid Fielding Initiative (RFI) List, with Adjustments
- Additions
 - Laser Target Locator Module
- Deletions
 - CQB M4 Forward Grip Bipod
 - CQB Forward Rail Bracket
 - CQB Multi-Magazine Holder
 - CQB Three-Point Sling
 - Quick Fire Sight
- Other Changes
- CQB Improved Gun Cleaning Kit –
 - 2 per SQD in BCTs (Inf Bn/RSTA/ENG)
 - 1 per 4 M4/M16s all others C, CS and CSS Units



Lean Fielding



- Still in effect.....with added items
- Soldiers/Units can turn down items they do not want or need
- OCIE Items –
 - Ballistic Spec Kit, Duffle Bag, ECWCS III, Combat Gloves, Winter Gloves, Goggle Kit, Improved First Aid Kit, Knee/Elbow Pads (Improved UCP), Lightweight Performance Hood, FR MOLLE Rifleman set MOLLE Large Ruck Set
 - The PM-SPIE fielding database system allows Soldiers to decline being issued items that they had been issued from a prior RFI fielding event.
 - The declination will not appear or be transferred to ISM-CIF record.
 - This method only applies for UCP RFI items, not OCP since this uniform and its associated OCIE are in initial issue. The non-issue of RFI items will result in cost savings to the Army.
- Individual items Units have available (Sleeping Bags, MOLLE)
- Will continue throughout FY12



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Moisture Wicking Army Combat Sock (MWACS)

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Agenda



- Past/Current
- Future
- Options & Opportunities
- Strategy
- Points of Contact
- Questions



Past/Current



Harsh winter weather in Bastogne, Belgium 1944
World War II Signal Corps

An Army Soldier leads operation intended to uncover improvised explosive device materials

Paktya province, Afghanistan





MWACS



System Description:

- A single or multi-component, all weather sock system that allows the Soldier to adapt to varying mission environmental conditions
- Designed to provide moisture wicking capability to keep the feet warm and dry during strenuous activities in hot/cold weather



Objective: Improve Soldier mobility, comfort, and protection with a moisture wicking, antimicrobial sock

BOI: 4 per deploying Soldier

Sock capabilities:

- Moisture Wicking (AATCC Test Method 195-2010)
 - No melt/no drip (ASTM D6413 – 08 Vertical Flame Test)
 - Antimicrobial (AATCC 100 Antimicrobial Fabric Test)
 - Cushioned
 - Durable
 - Breathable (ASTM D737-96 Air Permeability)
 - Temperature regulatory
 - Quick drying
 - Dimensionally stable
 - Vertical Retention
-
- No more than 4 available sizes



Army Sock - Current



- Clothing bag initial entry issue, seven pairs each
 - OD green cushion sock: 82.5% COTTON, 10% NYLON, 5% SPANDEX, 2.5% SILVER
 - Black dress sock: 80% COTTON / 20% NYLON
- To prevent blisters and increase comfort the socks can be worn as a system, black sock liner under the cushion boot sock





Blister Check





Options & Opportunities



- Market Survey
 - Sources Sought, 10 March – 15 April 2011
 - Solicitation Number: W911QYSOCKMW
- Capitalize on Industry knowledge and designs for an all weather sock
- Future objective, explore addition of compression technology
 - Increase blood circulation
 - Reduce recovery time
 - Reduce leg swelling



Strategy



- Communicate to Industry goals and expectations
- Close interaction with User representative
- Focus on FY12 RFI list addition
- Leverage current industry technology, adjust as innovation improves
- Evaluate in hot and cold environments
- Examine every option (multiple fiber types)



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Future Efforts

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Washable Wool Capability



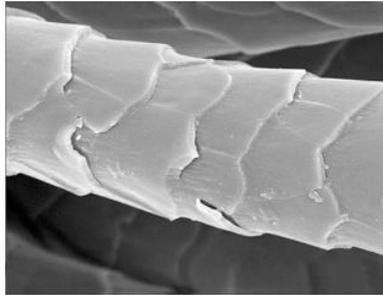
- Super washed Berry Compliant dimensionally stable wool fibers now available in CONUS

Benefits

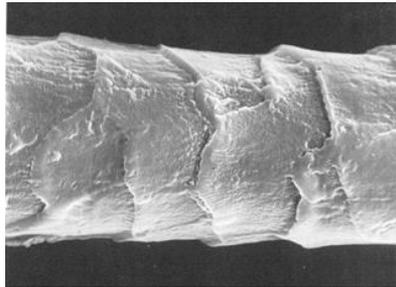
- Wool is a natural sustainable fiber with several performance capabilities, either 100% wool or blended fibers
- Opens a new area for engineered textiles



Washable Wool for Individual Protection SBIR A09-165



Unprocessed Wool



Processed Wool

OBJECTIVE: Develop a CONUS process to make domestically produced Berry compliant wool more dimensionally stable for use in FR clothing

BOI: N/A

NSNs: N/A

OVERALL DESCRIPTION: Wool is an environmentally friendly sustainable fiber which is inherently FR and antimicrobial, and has excellent moisture management and thermal insulating properties. This effort will develop a Berry compliant wool stabilization process for domestic capabilities

Core Soldier System (CSS) CPD

- Dated January 2009
- Para 6.2.2.3: Heat and Flame Protection

ACTIONS:

- Phase II contract award
- Domestic wool process line in FRP
- Develop a stronger US industrial base
- Increased wool availability to US Military
- Accelerated Phase II development
- Delivery of wool garments for a future user evaluation

Modular In-Line Water Purifier SBIR A09-161



OVERALL DESCRIPTION: A novel in-line filter system that incorporates multiple water purification technologies into a single MOLLE compatible filter housing

Individual Water Treatment Device (IWTD)
Capabilities Production Document (CPD)

- Draft June 2010 ver. 1.4

OBJECTIVE: A MOLLE compatible in-line water purification system that is compact and lightweight which minimizes the Soldier's exposure when collecting drinking water on the battlefield by enabling them to purify the water while on the move

BOI: 1 per deploying Soldier

NSNs: TBD

ACTIONS:

- Phase II contract awarded
- Task 1: Accelerated 12 month effort to meet or exceed P248 Protocol
- Task II: increased flow with greater TIC/TIM* removal

*TIC/TIM: Toxic Industrial Chemicals/Materials



Points of Contact



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QUESTIONS?