



Project Manager
Soldier Protection and Individual Equipment

The Soldier

Our Strength and Purpose

Product Manager **Soldier Clothing and Individual Equipment** **(PdM SCIE)**

Innovation **Value Engineer Change Proposal (VECP)**

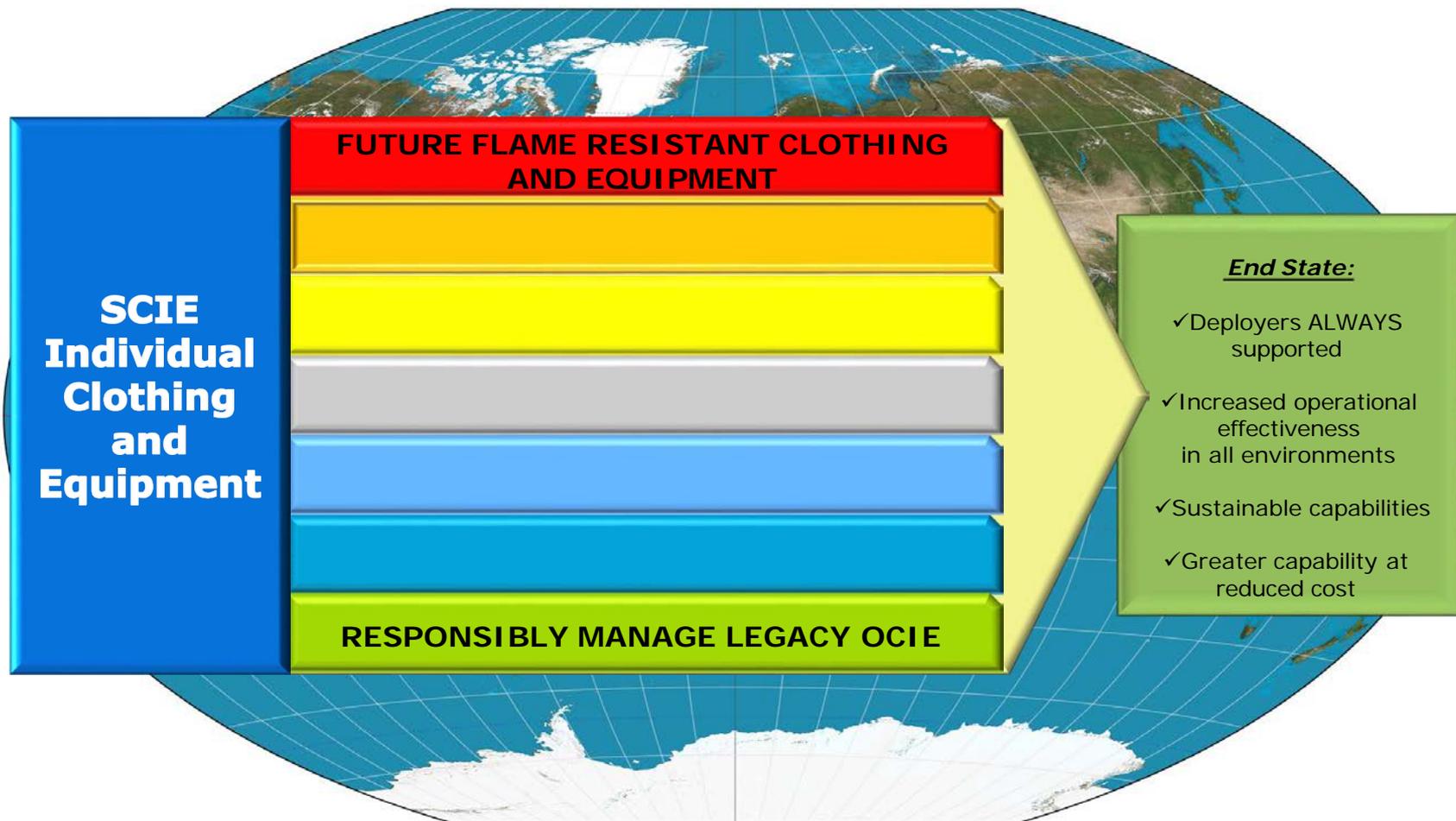
JAPBI Brief

20 October 2016

Susan McLendon
Quality Team Lead



PdM SCIE Major Lines of Effort





Value Engineer Change Proposal (VECP)



- General Guidelines

- Know the requirements for the End Item
- Performance gaps between the Thresholds (T) and Objectives (O) are the items that can change through a VECP and an approved Material Change Proposal (MCP)
- A MCP used for items where the PEO is the Material Design Authority (MDA)
- Approval from the Army Uniform Board for Clothing Bag Items



Clothing and Individual Equipment Approval Process



Approval Processes

Army Uniform Board (AUB)

The Army Uniform Board (AUB) is the primary review forum for clothing bag, mess, dress, service, and optional purchase uniform items. The AUB resolves issues, provides and obtains guidance, **ensures that items fit the 5th to the 95 percentile**, and makes recommendations to the CSA. The CSA approves the initiation of concept development and adoption of these items.

The AUB will—

(a) Conduct milestone reviews on new or improved items and make recommendations to the CSA (Milestone Decision Authority) for decision.

(b) Review policies pertaining to the wear of new or improved clothing items.

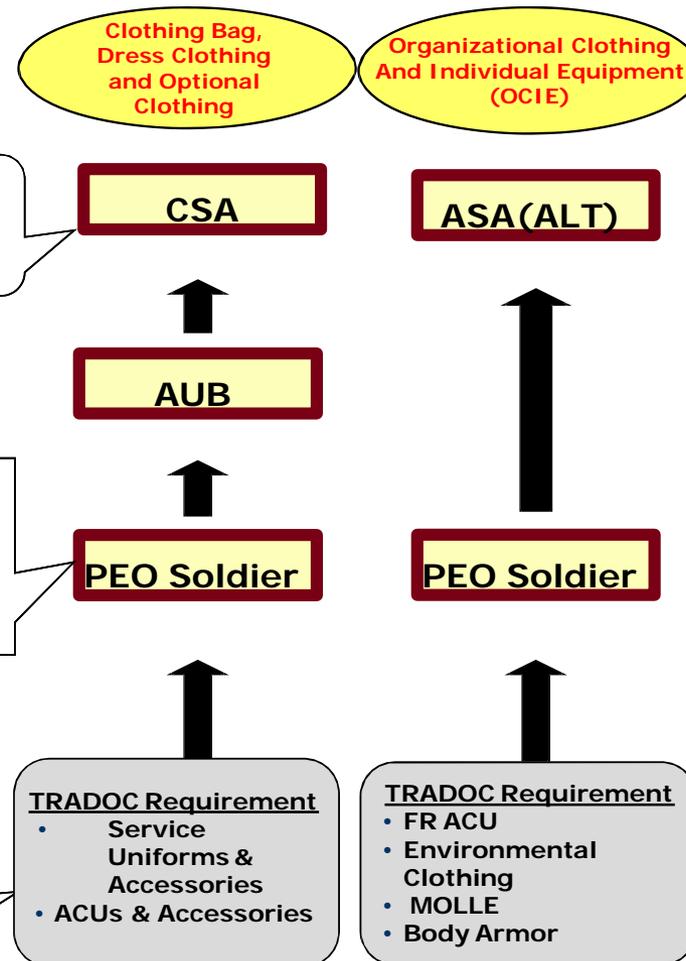
- AR 70-1 (Army Acquisition Policy)

ARMY UNIFORM BOARD MEMBERS

- DA G4 (Chair)
- ASA (ALT)
- ASA (FMC)
- DA G1
- Director, Army National Guard
- Chief, Army Reserve
- Sergeant Major of the Army
- Deputy Inspector General
- DA G3
- DA G8
- TRADOC (Combat Developer)
- Senior Female Officer on the Army Staff
- PEO Soldier
- Senior Female Representative from ASA(M&RA)
- Female Command Sergeant Major
- Junior Enlisted Male
- Junior Enlisted Female

PEO Soldier presents milestone reviews to the AUB. New concepts and product improvements are presented to the AUB for concept approval, POM validation and for type classification approval.

TRADOC establishes clothing requirements. Those requiring a materiel solution are provided to PEO-Soldier.
- Product improvements are identified to PEO Soldier from NSRDEC, TRADOC schools, Soldier feedback, etc.





Potential Areas for VECP



- Flame Resistant Army Combat Uniform (FR ACU)
 - Fabric that improves burn injury prediction
 - Fabric that increases durability (strength and color fastness)
- Fire Resistant Environmental Ensemble (FREE)
 - Less Expensive fabrics
 - Knits that meet requirements with improved shade consistency
- Army Service Uniform:
 - White Shirt
 - Improved Pilling
 - Improved Soil Release
 - Improved resistance to yellowing/scavenging
- Army Physical Fitness Uniform (APFU)
 - Trunk lining material – improved color fastness
- Load Carriage
 - Reduce weight and cost



PdM SCIE Points of Contact



Command Group

LTC John Bryan
Product Manager Soldier Clothing
and Individual Equipment
Comm (703) 805-8514
DSN 655-8514
john.t.bryan4.mil@mail.mil

Mr. Jeff Myhre
Deputy Product Manager
Comm (703) 805-8506
DSN 655-8506
david.a.geringer.civ@mail.mil

Principal Staff

MAJ John Rider
Acq Plans, Policy & Integration
Comm (703) 805-8517
DSN 655-8517
jeffrey.j.myhre.civ@mail.mil

Ms Susan McLendon
Quality Assurance
Comm (703) 805-8502
DSN 655-8502
susan.k.mclendon.civ@mail.mil

Mr. Danny Carter
Operations and Plans
Comm (703) 805-8532
DSN 655-8532
danny.m.carter.civ@mail.mil

Suzanne Horner (Acting)
Systems Engineer
Comm (703) 806-5181
DSN 655-5181
suzanne.e.horner.civ@mail.mil

Lamar Palmer
Logistics Support Office
Comm (703) 805-8560
DSN 655-8560
peter.l.palmer4.civ@mail.mil

Product Officers / Assistant Product Managers (APM)

Mrs. Sequana Robinson, Product Officer
Durable Goods
Comm (703) 805-8545, DSN 655-8545
sequana.a.robinson.civ@mail.mil

Mr. Dan Young
Acting APM – Load Carriage
Comm (703) 805-8537, DSN 655-8537
stephen.c.cheng2.mil@mail.mil

MAJ Bryan Duncan
APM – Parachutes
Comm (703) 805-8528, DSN 655-8528
bryan.r.duncan.mil@mail.mil

Mr. Scott Hulett, Product Officer
Combat Uniforms
Comm (703) 805-8551, DSN 655-8551
scott.a.hulett.civ@mail.mil

Mr. Scott Fernald
Acting APM - Environmental Clothing
Comm (703) 805-8530, DSN 655-8530
scott.a.fernald.ctr@mail.mil

MAJ John Rider
APM – Soldier Enhancement Program
Comm (703) 805-8519, DSN 655-8519
kevin.w.hutcheson.mil@mail.mil



DEFENSE LOGISTICS AGENCY

AMERICA'S COMBAT LOGISTICS SUPPORT AGENCY



DLA Value Management Program

Susan Caso-Bolnick

October 20, 2016



WHAT IS VALUE ENGINEERING?

An ORGANIZED technique and effort to purchase:

- An essential function
- At the lowest cost
- At the desired time and place
- Without degradation of
 - Performance
 - Quality
 - Reliability
 - Maintainability



Value Engineering Change Proposals (VECPs)

- Contractual method to share savings
 - Improve DoD supplies and/or equipment
 - Savings shared between Contractor and DoD
 - Described in FAR Clause 52.248.1
- Improvements include any price savings
 - Processes
 - Materials
 - Manufacturing techniques
 - Other



Program Overview

- DLA manages approximately 3.9 million items
- Clothing & Textiles manages approximately 8K
- Value management helps reduce the price we pay for our items while improving quality and support to our customers



Rules and Tools

- VECP clause in most DLA Contracts > \$25K
- Clause can be added by modification
- VECP can only be received on an instant contract
- Typical share ratio: 50/50
- Sharing for 3 to 5 years



FAR 52.248-1, Para. (c)

HOW TO SUBMIT A

VALUE ENGINEERING CHANGE PROPOSAL (VECP)

(c) *VECP preparation.* As a minimum, the Contractor shall include in each VECP the information described in subparagraphs (c)(1) through (8) below. If the proposed change is affected by contractually required configuration management or similar procedures, the instructions in those procedures relating to format, identification, and priority assignment shall govern VECP preparation. The VECP shall include the following:

- (1) A description of the difference between the existing contract requirement and the proposed requirement, the comparative advantages and disadvantages of each, a justification when an item's function or characteristics are being altered, the effect of the change on the end item's performance, and any pertinent objective test data.
- (2) A list and analysis of the contract requirements that must be changed if the VECP is accepted, including any suggested specification revisions.
- (3) Identification of the unit to which the VECP applies.
- (4) A separate, detailed cost estimate for
 - (i) the affected portions of the existing contract requirement and
 - (ii) the VECP.

The cost reduction associated with the VECP shall take into account the Contractor's allowable development and implementation costs, including any amount attributable to subcontracts under the Subcontracts paragraph of this clause, below.

- (5) A description and estimate of costs the Government may incur in implementing the VECP, such as test and evaluation and operating and support costs.
- (6) A prediction of any effects the proposed change would have on collateral costs to the agency.
- (7) A statement of the time by which a contract modification accepting the VECP must be issued in order to achieve the maximum cost reduction, noting any effect on the contract completion time or delivery schedule.
- (8) Identification of any previous submissions of the VECP, including the dates submitted, the agencies and contract numbers involved, and previous Government actions, if known.

Reference: The above is the exact language of paragraph (c) of Federal Acquisition Regulation (FAR) Clause 52.248-1, Value Engineering.



Points of Contact

- Clothing & Textiles Value Management POCs:
- Susan Caso-Bolnick, 215-737-7946
Susan.Caso-Bolnick@dla.mil
- Kathy Ann Rivell, 215-737-7698
Kathy.Rivell@dla.mil



DEFENSE LOGISTICS AGENCY

AMERICA'S COMBAT LOGISTICS SUPPORT AGENCY





U.S. AIR FORCE



AFLCMC... Providing the Warfighter's Edge



Joint Advanced Planning Brief To Industry 20 Oct 2016 INNOVATION



Debra McLean
Aircrew Performance Branch
Human Systems Division
AFPEO Agile Combat Support/AFLCMC



U.S. AIR FORCE

Aircrew Performance Branch

Mission



AFLCMC... Providing the Warfighter's Edge

Develop, Test, Field and Sustain Air Force Uniforms and Aircrew Flight Equipment (AFE) to Increase Warfighter Capabilities





U.S. AIR FORCE

Air Force Textile Items Improvement Needs

AFLCMC... Providing the Warfighter's Edge



- **Service Dress Clothing fabrics (limited USA sources)**
- **Boots for extreme cold weather (gap -20F to -49F), 2hr Obj**
- **Extreme Cold Weather Gloves (aircrew), Mittens (ground use)**
- **Extreme Cold Weather Cap, insulated**
- **Flight Coverall CWU-27P (para-aramid blend)**
 - **Cloth**
 - **Slide Fasteners**
- **Anti-G suit (ATAGS) durability - knee tears**



U.S. AIR FORCE

Air Force

Improvement Needs

AFLCMC... Providing the Warfighter's Edge



- **Urinary elimination concepts for fighter pilots**
- **Chemical protection materials**
- **Low profile parachute (backpack style) replacement**
- **Lower cost FR treated materials, fasteners, & webbings for survival vests, and lowering devices**
- **Microclimate Cooling Vests, gloves, boot liners**
- **Improved Fixed Wing Helmet, and Mount Options**



U.S. AIR FORCE

Continuous Product Improvements (CPI) Planned - Uniforms

AFLCMC... Providing theWarfighter's Edge



Current CPI

1. Service Dress Shirting Fabric
2. Women's Service Dress Overblouse
3. Women's Service Dress Tuck-in Shirt
4. Men's Service Dress Shirt
5. Men's Service Dress Coat
6. Women's Service Dress Coat
7. Maternity Airmen's Battle Uniform Jacket
8. Maternity Airmen's Battle Uniform Trousers

Future CPI

1. Men's Service Dress Trousers
2. Women's Service Dress Coat
3. Women's Service Dress Slack
4. Women's Service Dress Skirt
5. Maternity Service Dress Shirt
6. Maternity Service Dress Slacks
7. Flyer's Jacket 36P
8. Flyer's Jacket, Cold Weather 45P



U.S. AIR FORCE

AF

INNOVATION



AFLCMC... Providing the Warfighter's Edge

- **AFRL Mission: Lead development for AF Air and Space forces**

<http://www.defenseinnovationmarketplace.mil/af.html> or email dtic.belvoir.ecm.list.materials-n-manufacturing@mail.mil

**Materials and Manufacturing Processes (M&MP) Community of interest (COI) Independent R&D Technology Interchange 06Mar17
Includes: TAT 6.0 - M&MP for the Individual Warfighter**

- **Wearable sensors and electronics for Warfighter applications**
- **Lightweight/wearable Power and Energy for personal devices**
- **Efficient wearable power scavenging systems**
- **Lightweight, efficient and cost effective personal cooling devices**
- **Robust ballistic/agile laser eye protection**
- **Manufacturing technologies for individually customized/small lot production of Warfighter equipment.**



AF Innovation Business Opportunities



AFLCMC... Providing the Warfighter's Edge

- **Industry Day on 3 Nov 2016 - hosted by AFLCMC/ PEO-Agile Combat Support/ Human Systems Div**

Location: Dayton, OH Dayton Convention Ctr

For Appointment contact:

Lt Adam Samlowski (937) 904-8807

- **FedBizOpps**
 - BAAs
 - RFI, RFPs
- **SBIRs**



U.S. AIR FORCE

AF Innovation



AFLCMC... Providing the Warfighter's Edge

US Air Force Research Laboratory (AFRL) University/Service Academy Challenge

<http://www.afrlchallenge.com/>

2017 Objective - SpecOps Equipment & Gear Transport System

- **“invent” a resupply device, manually or autonomously operated, controlled, or programmed to haul items on rough and unimproved surfaces.**
- **Focus: Size, Weight, Power (not human power)**



U.S. AIR FORCE



AFLCMC... Providing the Warfighter's Edge

- **Air Force small business opportunities here:**
U.S. Air Force Small Business Office:
<http://airforcesmallbiz.org>

Defense Innovation Market Place:

<http://www.DefenseInnovationMarketPlace.mil>

Small Business Hub:

<http://sbhub.wbi-icc.com>

Federal Business Opportunities:

<https://www.fbo.gov>