Footwear Committee Meeting
Tom Darcy
11/16/17
Footwear Team – Contract Admin

- **Cynthia Ortiz** 215-737-5824 – KO: handles questions on all contracts
- **Saniyyah Jones-Samuels** 215-737-7413 – CG Superboot, Shoe Wmn’s Poromeric, AF Boot, Men’s Poromeric, HW ST Tan sol
- **Mike Curry** 215-737-7018 – Shoe Wmn’s Poromeric, 8” Safety Boot, 9” Navy Boot, ACB HW Tan, ACB TW Blk sol
- **Stephanie Montague** 215-737-3083 – ACB TW, ICWB, Molder Shoe, Bunny Boot, Flight Deck Boot, ACB TW, MC HW sol
- **Kristy DeRitis** 215-737-2479 - ACB HW, HW FR, ACB TW sol
- **Cierra Robinson** 215-737-7141 – MC HW & TW, Men’s and Wmn’s Navy Shoe, ACB HW Blk, Fireman’s sol
Sales Info

Year Sales Dollars
All Items

<table>
<thead>
<tr>
<th></th>
<th>OCT</th>
<th>NOV</th>
<th>DEC</th>
<th>JAN</th>
<th>FEB</th>
<th>MAR</th>
<th>APR</th>
<th>MAY</th>
<th>JUN</th>
<th>JUL</th>
<th>AUG</th>
<th>SEP</th>
<th>Total</th>
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<td>FY 16</td>
<td>$9.00</td>
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<td>$9.30</td>
<td>$11.20</td>
<td>$10.60</td>
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<td>$133.90</td>
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Sales Info

Year Sales Volume
All Footwear Items

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<th>Month</th>
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<th>FY 17 (000)</th>
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<td>DEC</td>
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<td>JAN</td>
<td>104.1</td>
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<td>FEB</td>
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<td>MAR</td>
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<td>APR</td>
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<td>MAY</td>
<td>130.6</td>
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<td>JUN</td>
<td>147.7</td>
<td>147.1</td>
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<td>AUG</td>
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<td>SEP</td>
<td>195.9</td>
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<td>PGC</td>
<td>Item</td>
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<td>04039</td>
<td>ARMY COMBAT BOOT HW COYOTE</td>
<td>$31,695,434.52</td>
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<td>SHOES, MEN'S POROMERIC</td>
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<td>BOOTS, HOT WEATHER, MC</td>
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<td>BOOT TW BLACK - AFGHAN</td>
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<td>BOOT TW MC</td>
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<td>FOOTWEAR COVER, DIS</td>
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<td>BOOTS ICWB</td>
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<td>BOOT, SAFETY, WMN'S 9&quot;</td>
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$120,842,145.05 1,635,705
## Top 10 Backorders by Qty

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<th>Item</th>
<th>Lines</th>
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<th>Dollar Value</th>
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<td>ARMY COMBAT BOOT TW TAN</td>
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<td>BOOT EXTREME COLD WEATHER</td>
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<td>BOOT SAFETY FLIGHT DECK</td>
<td>914</td>
<td>4,057</td>
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<td>BOOT FIREMAN'S</td>
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<td>BOOTS HW STEEL TOE TAN</td>
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<td>BOOT SAFETY WMN'S 9&quot;</td>
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<td>SHOE WMN'S POROMERIC</td>
<td>58</td>
<td>236</td>
<td>$9,591.04</td>
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Total Top 10 May 17 - 431,323
Total Top 10 Nov 17 - 382,792
## Top 15 items by Stock on Hand

<table>
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<tr>
<th>Item</th>
<th>AMD Qty</th>
<th>AMF Qty</th>
<th>Actual OH</th>
<th>Optimal Level</th>
<th>Diff to Optimal</th>
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<tr>
<td>ACB HW COYOTE</td>
<td>33,721</td>
<td>42,493</td>
<td>378,965</td>
<td>169,972</td>
<td>208,993</td>
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<td>SHOES, MEN'S POROMERIC</td>
<td>20,879</td>
<td>23,654</td>
<td>151,685</td>
<td>94,616</td>
<td>57,069</td>
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<tr>
<td>ACB TW COYOTE</td>
<td>13,891</td>
<td>19,629</td>
<td>124,095</td>
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<td>SHOE, WMN'S, MC &amp; AF</td>
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<td>10,320</td>
<td>86,743</td>
<td>41,280</td>
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<td>SHOES, MEN'S DRESS OXFORD</td>
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<td>BOOT, HW FR</td>
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<td>50,170</td>
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<td>BOOTS, SAFETY, MEN'S 9&quot; NAVY</td>
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<td>6,018</td>
<td>43,898</td>
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<td>BOOTS, COLD WEATHER, ICW</td>
<td>1,914</td>
<td>1,700</td>
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<td>BOOTS, HW, STEEL TOE, SAGE</td>
<td>4,627</td>
<td>5,527</td>
<td>37,895</td>
<td>22,108</td>
<td>15,787</td>
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<td>BOOTS, HOT WEATHER, MC</td>
<td>5,540</td>
<td>5,944</td>
<td>36,337</td>
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<td>12,561</td>
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<td>BOOTS, COMBAT TW MC</td>
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<td>4,707</td>
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<td>18,828</td>
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<td>SHOES, WOMEN'S, NAVY</td>
<td>4,923</td>
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<td>BOOTS, MEN'S AF GREEN</td>
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<td>3,971</td>
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<td>15,884</td>
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<td>BOOTS, HW STEEL TOE</td>
<td>3,949</td>
<td>3,273</td>
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<td>13,092</td>
<td>3,044</td>
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<td>BOOTS, WOMEN'S 9&quot; NAVY</td>
<td>1,408</td>
<td>1,385</td>
<td>10,564</td>
<td>5,540</td>
<td>5,024</td>
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<tr>
<td><strong>TOTAL</strong></td>
<td><strong>123,841</strong></td>
<td><strong>145,036</strong></td>
<td><strong>1,119,968</strong></td>
<td><strong>580,144</strong></td>
<td><strong>539,824</strong></td>
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</tbody>
</table>

**AMD** - Avg Monthly Demand  
**AMF** - Avg Monthly Forecast
Upcoming Buys/Status

Target award dates (TAD) for Long term contracts is 4 months after solicitation closing, unless otherwise stated below

• USMC Hot Weather – Solicitation Early 2018
• ACB TW Blk – Solicitation Early 2018
• Boot Safety 9” Certified – Solicitation Summer 2018
• Boot Safety 8” – Solicitation Summer 2018
• Boot HW ST Tan: TAD Jan 2018
• TW Coyote: TAD Jan 2018
New Item Introduction

- Services conduct R&D and initial procurements on new items
- Services submit a Supply Request Package (SRP) to DLA which includes a request for DLA to assign NSNs, complete technical information (PD/Spec), transition plan, fielding plan, etc.
- DLA reviews the information for accuracy/completeness and determines if the fielding plan is attainable
- If SRP is acceptable, DLA begins procurement allowing sufficient lead-time to make award and attain between 2-4 months of stock before fielding
Acquisition Review Process

- Documents such as the Acquisition Plan, Small Business Form, synopsis, Source Selection Plan and solicitation are prepared in accordance with FAR, DFAR, and local provisions (Approximately 2 weeks)
- Review of these documents is performed at various levels found in the Contract Quality Management Plan (CQMP) based on dollar value.
  - $50 Million and above must be reviewed by KO, IST Chief, Division Chief, Contract Review Division, Pricing, and Legal (Approximately 10-12 weeks of review)
  - After approval by the above offices, a briefing with the DLA Troop Support Head of the Contracting Activity must be conducted prior to issuing solicitation
- After closing evaluations are conducted (Approximately 8 weeks)
  - PDM, Past Performance, Socioeconomic, Technical acceptability, etc
- Determination is made if award can be made on initial offers or if discussions are required
- Documents are prepared to support discussions or award. These documents are reviewed by the same offices as the Acquisition Plan
Websites

http://www.dla.mil/
-Links to SAM, DIBBS, Small Business Office, FOIA, etc

https://www.fbo.gov/
-FedBizOpps – synopsis/pre-solicitation notices posted here

https://www.dibbs.bsm.dla.mil/
-DIBBS – solicitations, awards, delivery orders posted here
-RFQs for small quantity non-stocked commercial items
Questions

TOM DARYC
Thomas.Darcy@dlacomil
215-737-3068
U.S. Army – NIST Collaboration

Transitioning from Design Requirements to Performance Requirements

Cassy Robinson, Bert Coursey, Jeffrey Horlick
November 2017
Objectives

1. Why are we here and why do you care?

2. Who is NIST SCO and what do we do?

3. What are we doing with U.S. Army Project Manager Soldier Protection and Individual Equipment (PM SPIE)?

4. How can you participate?

5. What are the next steps?
Why are We Here & Why do You Care?
Who is NIST SCO and what do we do?

Promotes U.S. innovation & industrial competitiveness by advancing measurement science, standards, & technology for the purpose of strengthening the U.S. economy & improving quality of life

NIST Standards Coordination Office (SCO):

• Coordinates and participates in the development of standards with U.S. industry, federal agencies, and standards developing organizations

• Collaborates with NIST and DOD technical laboratories in development of test methods

• Assists federal agencies in design of conformity assessment programs (including testing, inspection, and quality systems)
What are we doing with U.S. Army PM SPIE?

- **What:** Working to improve soldier clothing & equipment by transitioning U.S. Army purchase descriptions & specifications from detailed material & design requirements to performance standards

- **Why:** Facilitate innovation resulting in better products for the user

- **FY2018 focus areas:**
  1. Jungle Combat Boots
  2. Head and Neck Protection: *Lightweight, flame-resistant protective hood & neck gaiter*
Project Plan

1. Understand requirements & test methods in purchase descriptions

2. Identify relevant existing standards

3. Collaborate with stakeholders to identify areas for improvement, such as:
   - Enhancements to existing test methods
   - Development of needed test methods
   - Transition of design & material requirements to performance requirements

4. Develop an R&D plan for each focus area

5. Implement the plan in partnership with stakeholders

6. Lay foundation for other U.S. Army purchase descriptions & specifications
Focus Area: Jungle Combat Boots

- U.S. Army Purchase Description: *Boot, Combat, Jungle, GL-PD-16-05, March 2017*

- Identified more than 220 potentially relevant consensus standards and test methods

- Received input from Natick Soldier Research Development and Engineering Center (NSRDEC) and Defense Logistics Agency (DLA) Product Test Center
Focus Area: Jungle Combat Boots

Potential areas for improvement suggested to date:

1. Development of ankle support test method

2. Improvement to existing or development of new fabric test methods appropriate for boot materials

3. Investigation of leather properties & performance requirements potentially leading to alternative materials

4. Improvement to whole boot moisture vapor transmission rate test method to reduce variability

5. Development of whole boot water absorption test method

6. Development of improved impact attenuation test
How Can You Participate?

• Send an email to casandra.robinson@nist.gov indicating your (or your organization’s) interest in participating in this effort

• Talk with your colleagues & leadership to identify the right individuals from your organization

What are the Next Steps?

• We will contact you to learn more about your particular areas of expertise & interest, your initial input & suggestions, etc.

• Initial input will be collected

• Team will be formed

• Group discussion will be scheduled to kick off work
Wrap Up

Contact information:
Cassy Robinson, NIST Standards Coordination Office
Casandra.robinson@nist.gov
301-975-2546
For Official Use Only (FOUO)

Tropical, Cold Weather, MCCB

- **Tropical Boot**
  - Requirements Documents: CMC Guidance
  - Program Description: The Tropical Boot will be lighter and faster drying than the issued Marine Corps Combat Boot. Materials must meet field durability requirements in a tropical environment (Heat, Humidity).
  - Approved Acquisition Objective (AAO) Quantity TBD (70,000 is anticipated for 2 MEB/2MEU - two pairs of boots per Marine)

- **Intense Cold Weather Boot**
  - Program Description: The Intense Cold Weather Boot will fill the delta between the Temperate Weather Boot and the Vapor Barrier Boot. Temperature range is 20 to -20.
  - Needs- Integration with skis system and snow shoes.
  - Limited testing possible FY18
  - Approved Acquisition Objective (AAO) Quantity TBD (35,000 is anticipated for 2 MEB/2MEU)

**Program Status**

- **Marine Corps Combat Boot**
  - Program Description: Product improvements to the current MCCB include lighter weight, improved outsole to decrease delamination, and improved durability.
  - Limited testing taking place.
  - Update Supply Request Package via DLATS.
  - Approved Acquisition Objective (AAO) 80K (annually) per year in support of recruits. This does not include MCX retail sales.
Joint Advanced Planning Brief to Industry

Footwear Committee Mtg

Mr. Donald Fleury, USAF
Aircrew Performance
AFPEO Agile Combat Support
November 16, 2017
Agenda

- Current Safe To Fly Boot List/ Process
- Cold Weather Aviation System Boots Update
- Maintainer Boot Update
- Enhanced Anti-Slip Outer Sole (Airmen Powered by Innovation)
- Athletic Shoe
Safe To Fly (STF) Boot List

- Identifies which boots are AF STF approved by manufacturer’s color, style, model to AF, DLA, AAFES, ie XYZ Co. HW Tan (ST)

- Certifications:
  - Manufacturers must have tested to STF Test Plan, and PDs or MIL-SPECs for intended use, and submit samples
  - Use WNUV Boot STF Checklists
  - Ensure each spec call out is addressed
  - Must be Berry Amendment compliant

- AF Boot engineer verifies, acquires certification as “Safe-to-Fly”
- Each Mfgr Model/style is approved via separate submissions
- COTs must be re-certified at 3-year mark
STF Certification Process

- Send two pair, size 10R boots to WPAFB
  ASC/WNUV-TAC
  ATTN: Optional Uniform Program - Debra Klensch
  1901 Tenth Street, Bldg. 63
  Wright-Patterson AFB, OH 45433-7605

- Include:
  - Request for certification or recertification letter
  - Certification materials/process Berry compliant
  - Completed WNUV Boot STF Checklist
  - All testing required by:
    - STF Test Plan, dated July 2016
    - Answer each applicable call out in SPEC/PD/checklist based on the intended use, environment, purpose of the boot
1 pair boots stays with WPAFB for reference

Second pair is shipped (by WPAFB) to Natick NSSC AF Liaison office, Natick, MA

- Inspect boots (visual)
- Review the completed checklist
- Verify test reports/ Certs of Compliance
  - Applicability
  - Compliance
  - Testing dates (within 1 year of submission date)

Boots that comply

- Process/Sign vendor authorization memo
- Process/Sign MAJCOM memo
- Update Boot STF list to AF websites
## Cold Weather Aviation System Boots

### Requirements

- **Extreme cold protection** (minimum 2 hrs @ -20F temp)
- **Sole**: Flexible (Hardness/stiffness)
- **Leg, ankle**: Impact Protection
- **Slip Resistance**: SATRA TM 144
- **Flame Resistance**: NFPA 1971, FF 2007 ed
- **Integration and Safety**: cockpit/AFE snag hazards
- **Color**: sage, coyote

### Compatibility with:

- Cold Weather Aviation System: layered clothing ensemble
- Anti-G Suits pants
- Integrated Aircrew Ensemble
- 2-Piece Flight Suit
- Aircrew Survival Vest and Lowering Harness
- Aircrew Ejection Seat and Aircraft
Cold Weather Aviation System
Boots Update
Update:
- CWAS Op Tests completed
- Two commercial styles were approved (May 17)
- Certified Safe To Fly, local purchase authorized
- Mil-spec for both types in preparation for DLA
- Units can purchase only AF approved Safe To Fly styles, until CWAS boots are available in DLA

Coming this winter
- Purchased Army Improved CW boot candidate
- Technical tests and user evals (Dec 17- May 18)
- Could add to Safe To Fly List (summer 18)
AF Maintainer Boots
Requirements

- Boots tested to AF PDs WNUV 11-01 (HW), and 10-07(TW)
- Current color requirement is Sage
- In 2011, these were local purchase authorized (4 mfgrs)
- Currently no production of approved boots readily avail
- AF Current Requirement is 140K+ Airmen

Status

- Purchase Descriptions (PDs) submitted to AF Stdzn Office whom is converting to a MIL-SPEC for DLA
- Awaiting AF Uniform Board decision (color): Black or Coyote
- Other Services reviewing draft PD for determination to use
Enhanced Anti-Slip Option

- Slip injuries persist throughout military
- Cold/Wet increases slip likelihood especially ice surfaces
- Tested two newly released products
  - Shows marked improvement over current soles for rough ice, wing with hydraulic fluid, and NaLS contaminated coated concrete surface (SATRA 144)
  - Awaiting domestic materials sourcing and then retest
- May require enhanced anti-slip option on all cold/extreme cold weather StF boots (Safety)
AF SBIR TOPIC APPROVED

- Develop Heated Boots, Liner, or Sock that can be effectively used by Aviation Community for (extreme cold 0F to -49F requirement)
  - Without increasing bulk that interferes with flight safety
  - Without risk of fire during flight operations
  - Maintainable by Aircrew personnel (use and care)
  - Reliable for emergency ejection, egress, or incident
    - Protect feet from frost injury for 2 hours or more

- Joint Project (AF Lead/ NAVAIR / NSWC/ Army/ USCG partners)

- More to follow: watch FBO or contact AF Footwear reps

- No specific commercial solution identified