



DLA
DEFENSE LOGISTICS AGENCY
Established 1961



The Nation's Combat Logistics Support Agency

2020 Virtual Joint Advanced Planning Brief for Industry

Our program will begin
shortly; please stand by...



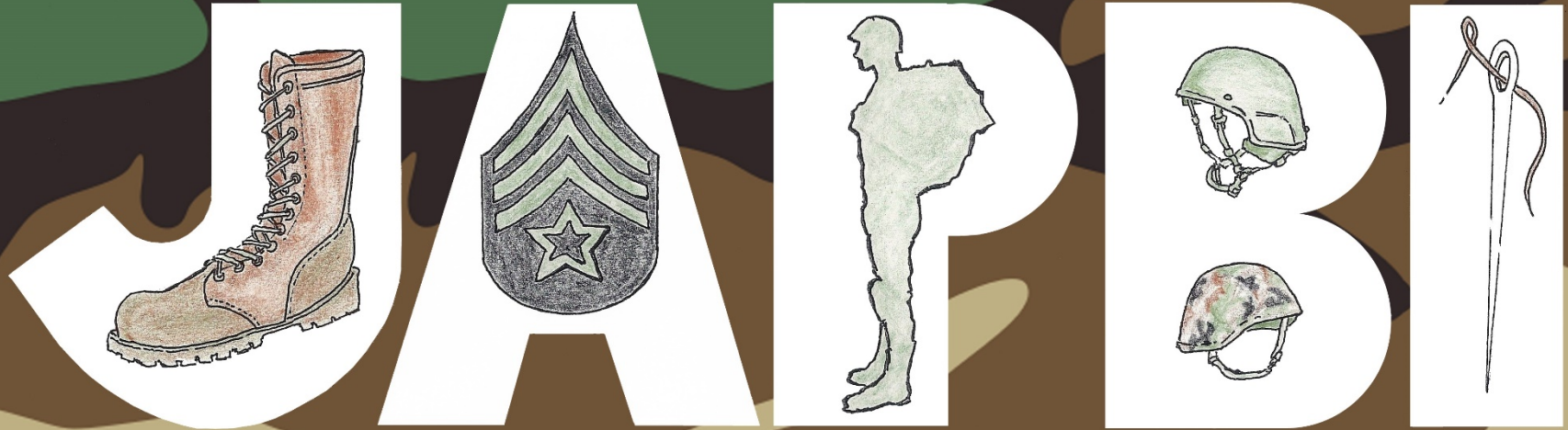
WARFIGHTER ALWAYS



Environmental Protective Clothing Breakout

- DLA Troop Support
 - Roxane Owen
- Product Manager, Soldier Clothing & Individual Equipment
 - Scott Fernald
- USAF Human Systems Program Office
 - Debra McLean

Joint Advanced Planning Brief for Industry



Hosted by DLA Troop Support Clothing and Textiles

- For questions, please use the Q&A tab. Type your question ask the speaker is briefing. Questions will be read by the moderator at the end of each presentation
- You are welcome to use the chat, but please do not ask questions there as we may not see them.
- Slides are being posted within a week of the presentation at <https://www.dla.mil/TroopSupport/ClothingandTextiles/C-T-Industry/IndustryEvents/2020-JAPBI/>



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DLA TROOP SUPPORT Clothing & Textiles Extended Cold Weather Clothing Systems (ECWCS)

Roxane Owen, Branch Chief
November 18, 2020

WARFIGHTER ALWAYS



Field Clothing Division

Lisa Marie Vivino
Division Chief - FQA

Rachel Ganaway
FQAB – Battle Dress Uniforms

\$344M in Sales FY20

Evan Eisenberg (KO-Unlimited)
Joseph Parker
Mark McClernan
Michael Baron
Philip Ward
Hien-My Nguyen
Derek Jones (PACER)

Arlett Hartie
FQAC - Accessories

\$116M in Sales FY20

Donna Streibich (KO-\$100M)
Dirk Smart (KO – SAT)
Mimi Pham (KO – SAT)
Marcia Henson
Rachel Piecyk (PACER)
Vincent Davis (PACER)

Roxane Owen
FQBA – ECWCS

\$325M in Sales FY20

Antoinette Ouattara (KO-\$500K)
Susan DeMarco
Miosotis Gonzalez-Figueroa
Stefanie Caruso
Patricia Lyles
Tiffany Taylor
Blaine Jackson (PACER)

Evan Eisenberg
Donna Streibich
Contracting Officers

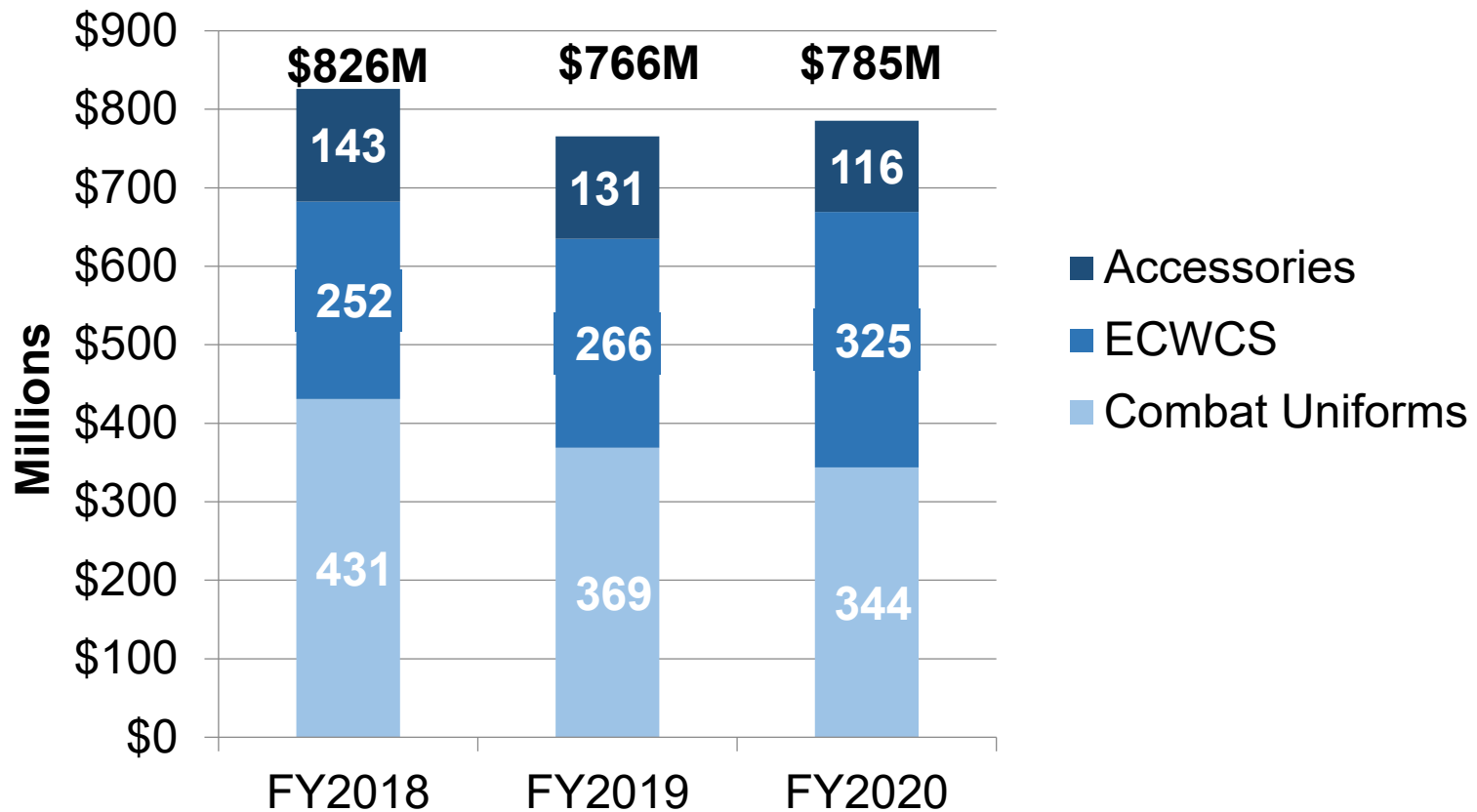


Division Points of Contact

Name	Team	Title	E-mail
Lisa Marie Vivino	Field Clothing	Division Chief	LisaMarie.Vivino@dla.mil
Rachel Ganaway	Battle Dress Uniforms	Supervisor	Rachel.Ganaway@dla.mil
Arlett Hartie	Accessories	Supervisor	Arlett.Hartie@dla.mil
Roxane Owen	Extreme Cold Weather Clothing System (ECWCS)	Supervisor	Roxane.Owen@dla.mil
Evan Eisenberg	Battle Dress Uniforms	Contracting Officer	Evan.Eisenberg@dla.mil
Donna Streibich	Accessories	Contracting Officer	Donna.Streibich@dla.mil



Field Clothing Sales FY2018 – FY2020





Extreme Cold Weather Uniforms



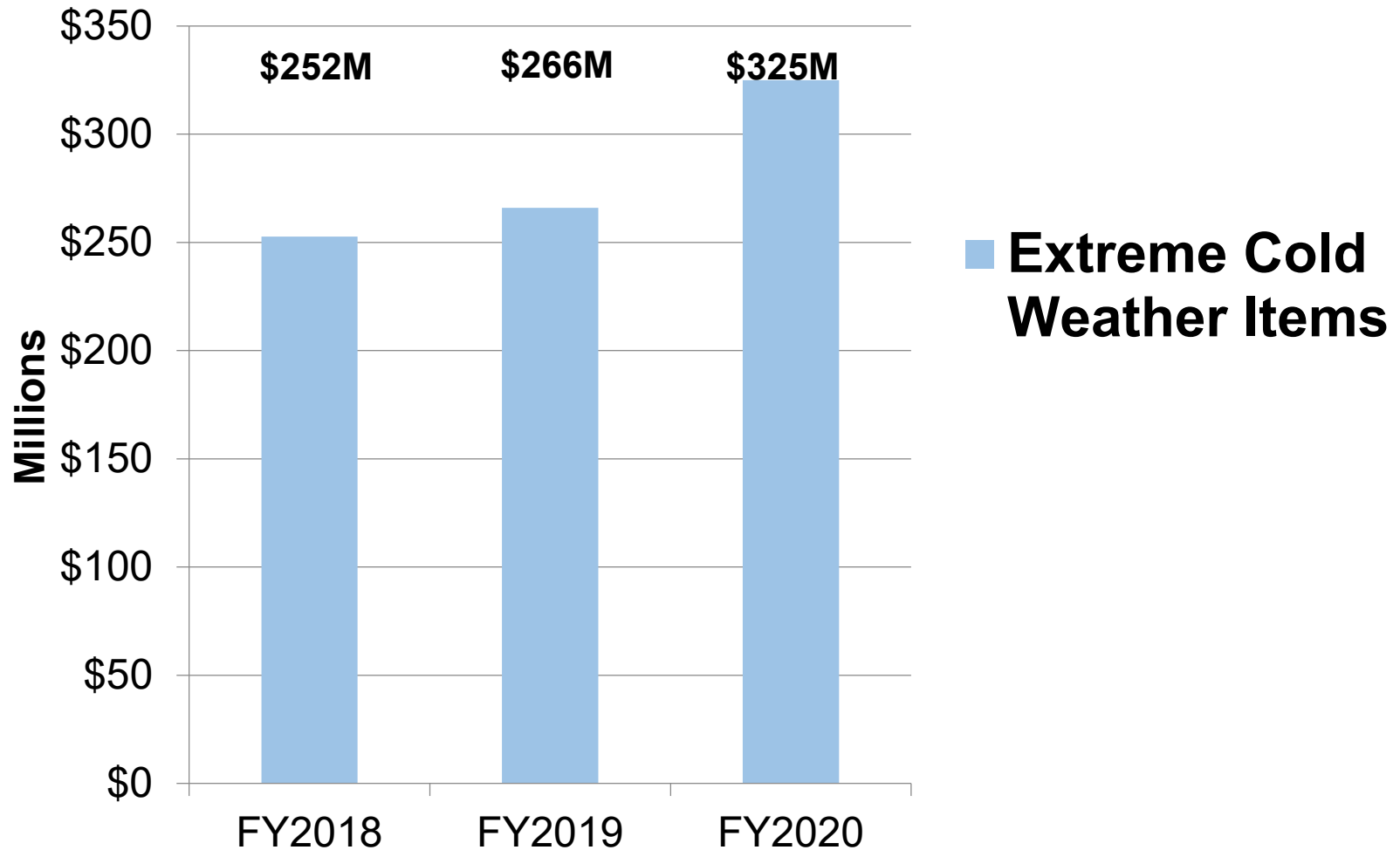


ECWCS Product Line Overview

- Product Line
 - Extreme Cold Weather Clothing System for the Army, Air Force, Navy, Marine Corps and Coast Guard
 - Base Layer Undershirt/ Drawers, Lightweight, FR Undershirt/ Drawers
 - Silkweight Undershirt and Drawers
 - GEN III Layer 4 Wind Jacket, Layer 5 Jacket, Layer 5 Soft Shell Trouser
 - GEN III Layer 6 Jacket, Layer 6 Trouser
 - GEN III Layer 7 Parka, Layer 7 Trouser
 - Navy, Parka Working Uniform (NWU) Type II and Type III
 - Parka, Cold Weather Navy, Fleece Liner
 - Balaclava Hood, Navy Watch Knit Cap, Cold Weather Cap
 - USMC Layer 6 Jacket/ Trousers, Snow Camo Parker/ Trousers
- Manage over 40 items
- Manage 32 long term contracts

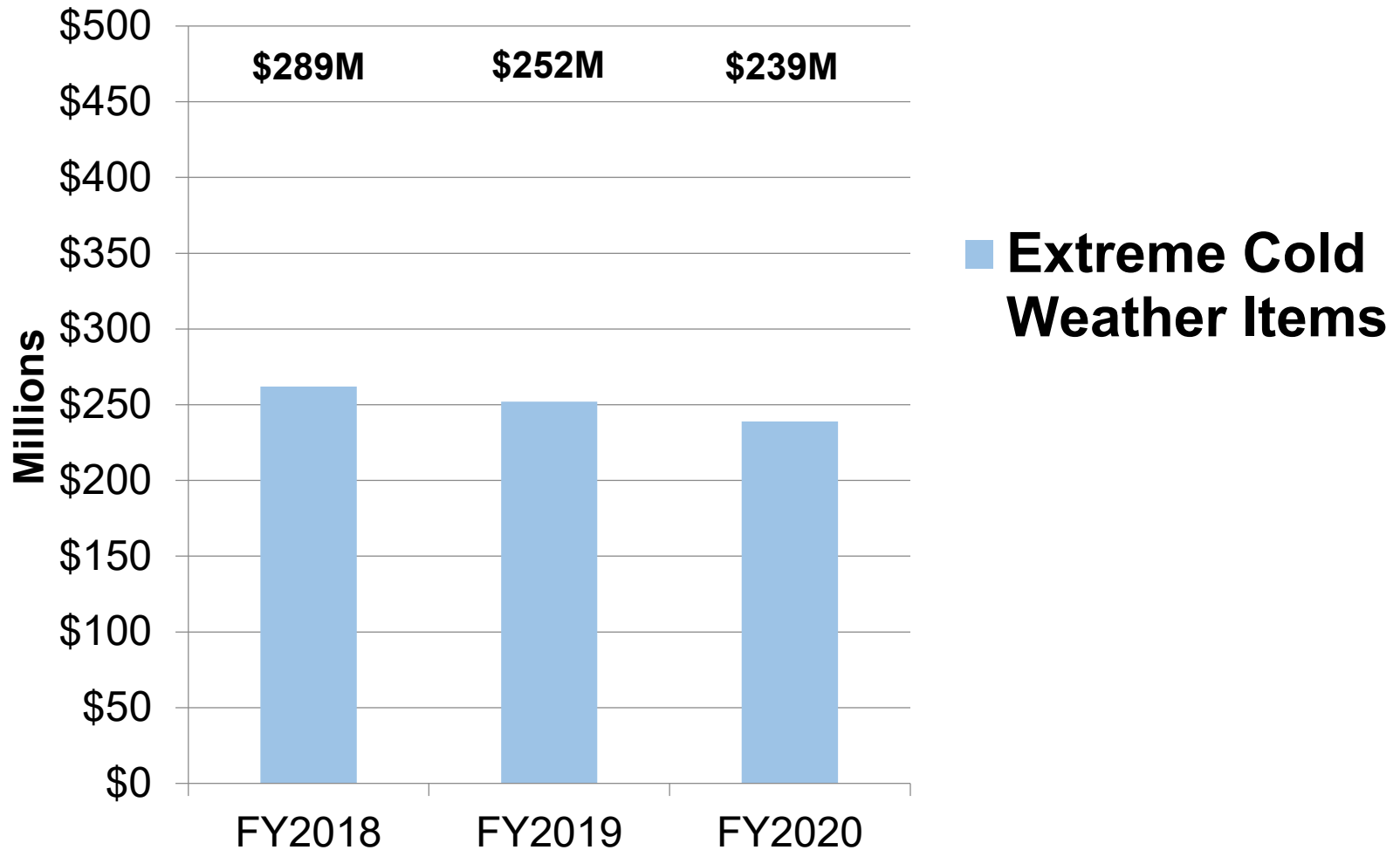


Extreme Cold Weather Items Sales FY2018 – FY2020



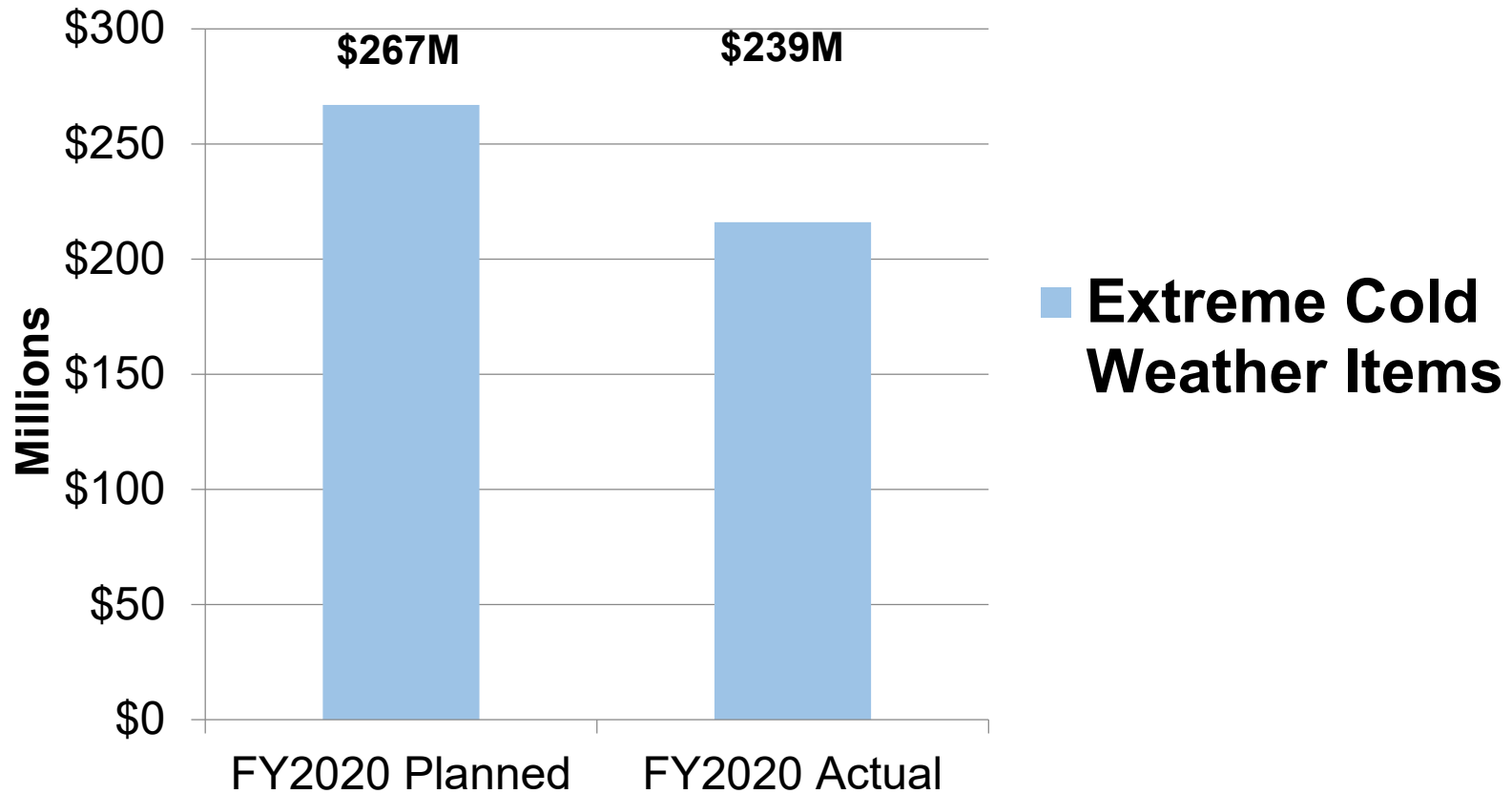


Obligations FY2018 – FY2020





FY2020 Obligations Planned vs. Actual





Open Procurements

ITEM	STATUS	TARGET AWARD DATE
Layer III Fleece	Solicitation Closed	Dec-20
Layer 4 Jacket	Solicitation Closed	Dec-20
Black and Green Fleece Caps	Allocation Closed	Dec-20
Layer 5 Jacket	Solicitation Closed	Jan-21
Midweight Underhirt	Allocation Closed	Dec-20
Midweight Drawers	Allocation Closed	Dec-20



Upcoming Opportunities

ITEM	STRATEGY	EST. CONTRACT LENGTH	ANNUAL EST. QTY.	EST. ISSUE DATE	BUYER
Layer 5 Trouser	Three Lots, Small Bus Aside	Base Term + 3 12M option	34,900 pr.	Dec 2020	Stefanie Caruso
Layer 6 Jacket	Three Lots, Small Bus Aside	Not Yet determined	Not yet determined	Dec 2020	Sue DeMarco
Layer 6 Trousers	Three Lots, Small Bus Aside	Base Term + 3 option Terms	Not Yet Determined	Jan 2021	Blaine Jackson
Aramid Drawers/ Undershirts	Two lots/ various strategies	Base Term + 4 Option Terms	7,644 ea.	November 2020	Blaine Jackson
Layer 7 Trousers	Two Lots, Small Bus Set Aside	Base Term + 3 12M option	71.748 pr.	Nov 2020	Tiffany Taylor



Updates and Reminders

- Delivery Schedules
 - - Report delays in advance so we can plan accordingly.
- Review Suppliers Performance Risk System score-SPRS (formerly PPIRS) at <https://www.sprs.csd.disa.mil/>
- If there is a discrepancy with your score, contact Tim Atwell (215-737-7844), Procurement Analyst immediately for resolution, so your past performance score is top notch when competing for awards.
- Ensure you have long term agreements with your subcontractors and suppliers prior to submitting a proposal.
- Be ready for the Government to award on initial offers. Provide your best price/proposal up front. Review historical information on DLA Internet Bid Board System (DIBBS) or simply ask the contracting officer.
- Ensure your System for Award Management (SAM) registry is up-to-date and active.
- Know your places of performance at the acquisition stage.



Team Points of Contact

NAME	TITLE	EMAIL
Roxane Owen	Supervisor/ Contracting Officer	Roxane.Owen@dla.mil / 215-737-2205
Stefanie Caruso	Acquisition Specialist	Stefanie.Caruso@dla.mil
Susan DeMarco	Acquisition Specialist	Susan.DeMarco@dla.mil
Miosotis Gonzalez	Acquisition Specialist	Miosotis.Gonzalez@dla.mil
Patricia Lyles	Acquisition Specialist	Patricia.Lyles@dla.mil
Tiffany Taylor	Acquisition Specialist	Tiffany.Taylor@dla.mil
Blaine Jackson	Acquisition Specialist	Blaine.Jackson@dla.mil
Antoinette Ouattara	Contracting Officer/ Acquisition Specialist	Antoinette.Ouattara@dla.mil





Project Manager Soldier Survivability

**PRECISION
Is the Standard**

Every Ounce Matters, Every Bullet Counts

**Product Manager
Soldier Clothing and Individual Equipment
Joint Advanced Planning Brief to Industry
*Environmental Protection Clothing Session***

18 November 2020

Scott Fernald
Acquisition Support, PM SCIE
scott.a.fernald.ctr@mail.mil

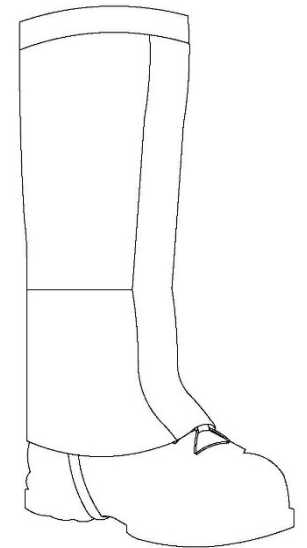


Cold Weather Boot Gaiters



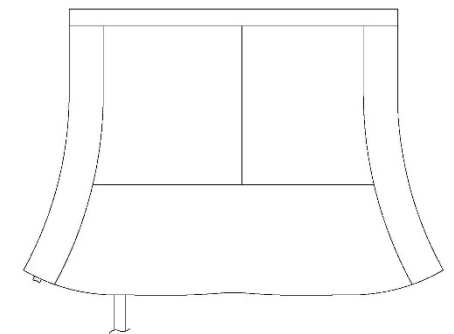
Where We Are:

- Capabilities: lightweight; packable; provide improved abrasion resistance for Extended Cold Weather Clothing System (ECWCS) Layer 5 trousers; durable to lessen punctures; snag resistant; water repellent
- Ensured integration with Soldiers' cold weather mobility equipment (snow shoes, crampons, skis)
- FY20 Soldier evaluation conducted at: Fort Drum, NY; Fort Wainwright, AK; Northern Warfare Training Center, AK



Where We Are Going:

- Develop Commercial Item Description (CID)
- Transition to Defense Logistics Agency – Troop Support (DLA-TS) in March 2021



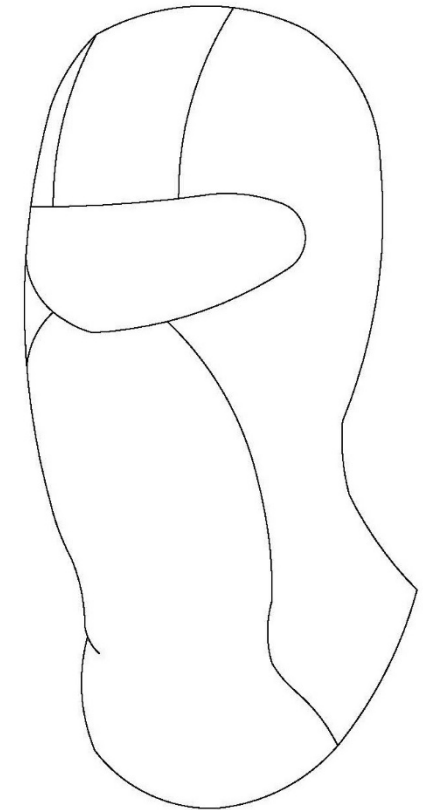


Cold Weather Balaclava



Where We Are:

- Capabilities: Lightweight, packable, quick-drying, form-fitting, adjustable to varying conditions, covers exposed skin, minimizes eyewear fogging
- Ensured integration with Soldiers' cold weather clothing (ECWCS) and equipment (cold weather eyewear, Advanced Combat Helmet (ACH))
- FY20 Soldier evaluation conducted at: Fort Drum, NY; Fort Wainwright, AK; Northern Warfare Training Center, AK



Where We Are Going:

- Develop CID
- Transition to DLA-TS in March 2021 to be added as a revision to the current Commercial Item Description.



System of Socks



Where We Are:

- Capabilities: System of Socks required to accommodate different temperatures/climate environments and levels of activity with multiple boot solutions
- FY20 Soldier evaluation conducted at: Fort Drum, NY; Fort Wainwright, AK; Northern Warfare Training Center, AK

Where We Are Going:

- Refine System of Socks (sock liner, light, medium, and heavy weight sock with BOI of 1, 2, 2 and 1)
- Develop CID
- Transition to DLA-TS in 2FY21



Cold Temperature Arctic Protection System (CTAPS)



Where We Are:

- Legacy system ECWCS currently meeting Army requirement
 - Areas for Improvement:
 - Reduce bulk and weight
 - Reduce number of layers where possible

Where We Are Going:

- Fit (bulk/weight) – Working with Industry to develop novel material solutions
- Superior system comfort, durability, and integration with body armor and kit

Winter 2021 Limited User Evaluation (LUE)

- Fielding 300 ensembles to Soldiers and Airmen in Alaska for evaluation
- 2021 Ensembles for evaluation include:
 - Two (2) knit constructions of mercerized wool blended base layers
 - Two (2) versions of insulated “puffy” jackets with modified venting armpit holes
 - Updated Softshell uniform with increased durability and comfort
 - Re-engineered extreme-cold parka and trouser with novel aerogel incorporated insulation



Notional Cold Temperature Arctic Protection System (CTAPS)



Baselayer



Insulated Jacket



Softshell Uniform



Cold/Wet Jacket and Trouser



Extreme Cold Parka and Trouser



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USAF

**PEO Agile Combat Support
Human Systems Program Office
JAPBI Environmental Session**

19 Nov 20

**Debra McLean
Program Manager/WNU
Debra.a.mclean4.civ@mail.mil
508-206-3072**



AGENDA

New AF Extreme Cold Weather Requirements Pending

Aviation CW Boots and Glove Gaps

AFGSC Heated Extreme CW Ensemble Requirements



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New Requirement Pending Polar Tactical Airlift Extreme Cold Clothing System



Polar Tactical Airlift Extreme Cold Clothing System

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- **Polar Tactical Airlift Extreme Environment Clothing System (PTAECCS)**

- Key Perf Parameter (KPP) 1: Environmental Protection 40F down to -60F
- Key Perf Parameter (KPP) 2: Safe Aircraft Maintenance & Generation: Survivability, Higher than normal risk of explosion and fire

V1) **Protect Maintainers** on ground dry snow & ice, higher than normal FR risk; proper grounding is not an option

V2) **Protect Aircrew** (requires Safe To Fly Approval)



Status: Capabilities Rqmt Doc (CRD) in staffing at ANGB



Polar Tactical Airlift Extreme Cold Clothing System

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- **Clothing, Handwear, Headwear**
 - Protect in environment **40F down to -60F**
- **Boots:** Meet ANSI Z F2412 -11/18 &- F2413-11
 - Cold protection rated for **-149 degrees** Fahrenheit
 - Compression and Impact, and Electrical Hazard Certified, and with Composite Toe
- **Eyewear:** Rx insert compatible, Prevent Glare, Fogging



Key Locations: Alaska, Antarctica, Greenland, Canada

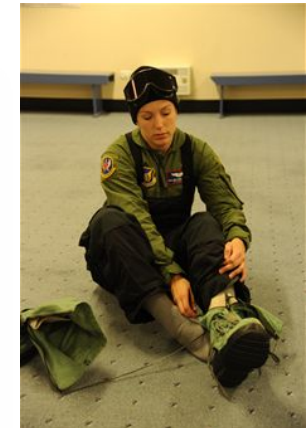


Polar Tactical Airlift Extreme Cold Clothing System

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- 1) Head and Neck Protection
- 2) Face Protection
- 3) Eye Protection
- 4) Upper Torso Extremity Protection (Jacket/Parka, Thermal Underlayers)
- 5) Extreme Hand Protection
- 6) Lower Torso Extremity Protection (Trousers, Thermal Underlayers)
- 7) Foot and Lower Leg Protection, Boot: (-149F) includes protection from liquid O and N
- 8) Foot and Lower Leg Protection, Sock
- 9) Tailorable and scalable
- 10) Maneuverability and Scalability
- 11) POL Resistant and Repellent
- 12) Durability
- 13) Moisture Management



Existing/ Legacy Items



Polar Tactical Airlift ECCS Additional Performance Attributes

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APAs To Be Determined (TBD)

- 1) Fit
- 2) Size and Adjustability
- 3) Foreign Object Prevention
- 4) Color





Polar Tactical Airlift ECCS

Other Items TBD

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Other items To Be Determined (TBD)

- 1) Specific Equipment Compatibility (list)
- 2) Maintainability Use and Care of Ensemble items
- 2) Duration of mission/ between launderings
- 3) Expected Wear Life
- 4) Storage (Heated location?)
- 5) Initial, Full Fielding, and Annual requirement quantity including anticipated new positions
- 6) Expiration of current issued ensemble equipment (FY? 22? 24?); replacements needed?
- 7) Price points: current, maximums (unit costs)?
- 8) Power source desired: unit AFE rechargables, portable mil battery on board, wearable conformal battery?





Polar Tactical Airlift ECCS Status / Plan Forward

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- Staffing Requirement for HQ's approval
- Await AF Funding
- Market Research
- Explore DOD solutions and ongoing programs
- Acquire latest Test Docs, Samples
- Test Plan
- Procure test assets
- Conduct any Technical Tests Rqd
- Conduct Fit/Sizing and Integration (Grounded Platforms)
- Safety Assessment/ Test Readiness for Wear Testing with Maintainers
- Interim Safe To Fly Recommendation for v2 Flight Tests
- Conduct Maintainer and Flight Wear Testing
- Configuration Control Board (CCB) / Sr Material Leader Approval Decision for v1 and v2





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Cold Weather Aviation System Gloves and Boots

Capability Gaps



PACAF Cold Weather Aviation System CWAS

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- **Key Perf Parameters (KPPs):**
- Environmental Protection , Reduce Bulk, Manage Moisture
 - Threshold protect to -20F / Objective protect down to -49F, 6 hrs;
450KEAS/ 3 sec; wind chills 55 mph
- **Clothing ensemble** MEETS the CWAS temp requirement for the required protective wear time
 - Layers are less bulky, improved comfort, moisture management, and meet protection **down to (-49°F)**



PACAF Cold Weather Aviation System CWAS

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- **Boots:** DO NOT MEET the -49F protection requirement (temperature and duration)
 - Current warmest Safe To Fly approved (Berry compliant) boots:
 - total boot clo values range (1.46-1.51 clo)
 - predicted frost bite injury in slightly under 2 hrs (foot endurance time) at -20 deg F
 - modeled with CWAS ensemble in a male, static activity (non-active state)
- **GAP:** Need lower temperature range rating (-49F/ 6hrs) but in low bulk configuration, not Vapor Barrier Bunny boot



PACAF Cold Weather Aviation System CWAS

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- **CW Flyer Gloves** protect at -20F/ 26 hrs; Current warmest Safe To Fly approved gloves: Clo values (Berry compliant) products are in range of
 - total glove clo 1.49
 - predicted frost bite injury occurs after 26 hrs at -20F
 - Predicted to FAIL after 3 hrs (frostbite occurs) at -49F with only 0.4 m/s wind speed
- **GAP:** Need gloves that are at least that warm but with way less bulk, thickness: (loss of tactility/ dexterity) !



PACAF Cold Weather Aviation System CWAS

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FY 21 Looking For

Footwear:

- Cold Weather Mukluk Improvement (Funds TBD)
 - add Flame Protection (FR) to upper duck cloth
 - Waterproof breathable membrane into upper/sole
 - Slip Resistant Sole
 - No change needed to Wool Felt Bootie Socks
- CW socks (warm, thin, durable)
- Heating alternatives that can work with approved CWAS insulated Leather Boots and/or Mukluk





PACAF Cold Weather Aviation System CWAS



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FY 21 Looking For

Handwear:

- Improved dexterity/tactility
- Durability
- Petroleum, Oil, Lubricant (POL) resistant
- Flexible in extreme cold
- Flame Protection (FR)
- Waterproof breathable membrane



- *Exploring heating alternatives with various power sources*



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AF Global Strike Command

Requirement: Heated Clothing Gloves, and Boots



AFGSC

Heated Clothing, Boots, and Gloves

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- **Key Perf Parameters (KPPs):**
- Provide active heating garments for aircrew members
 - operating in hyper cold environments with high winds for doors off mode
 - Electrically heated (or equivalent) under/outer layer of clothing for covering hands, feet, torso and legs.
 - Solution must withstand -20°F temperatures. Powered by aircraft with battery option
 - Tethered plug in (will consider) for 1 aircraft, but untethered power for others
- **Clothing Ensemble**
- **Flame Resistant** Torso Upper, Lower, and Limbs heating elements
 - Protect from temperatures **down to (-60 F) and (-149 F windchill factor)**





AFGSC

Heated Clothing, Boots, and Gloves

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- **Key Perf Parameters (KPPs):**

- Provide active heating garments for aircrew members operating in hyper cold environments with high winds for doors off mode



- **Footwear:**

- Current Boots DON'T meet cold protection requirement (temperature or duration)
- **GAP:** Need heated boot component for lower temperature range rating (**-149F/ 1.5 hr**) low bulk configuration!

- **Handwear**

- Flame Resistant (FR) safe for flight, no EMI, antistatic, avoid shock/ burns/ frost bite
- **GAP:** Extreme cold protection with no bulk to enable tactility/dexterity

FY21 (RFI) Looking to purchase Heated test items: (berry compliant)



Environmentally Conscious Sustainment

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- DOD Prefers Reusable, Recycled Materials
- Ref DODI 4105.11 Procurement of Sustainable Goods and Services 31 Aug 2018





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Questions?



Joint Advanced Planning Brief for Industry



Hosted by DLA Troop Support Clothing and Textiles

- THANK YOU FOR ATTENDING!
- Slides will be posted within a week of the presentation at <https://www.dla.mil/TroopSupport/ClothingandTextiles/C-T-Industry/IndustryEvents/2020-JAPBI/>