




DLA
DEFENSE LOGISTICS AGENCY
Established 1961



The Nation's Combat Logistics Support Agency



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

Roxane Owen, Branch Chief
November 18, 2021



Field Clothing Division

Lisa Marie Vivino
Division Chief - FQA

Rachel Ganaway

FQAB – Battle Dress Uniforms

\$368M in Sales FY21

Evan Eisenberg (KO-Unlimited)
Joseph Parker
Mark McClernan
Michael Baron
Philip Ward
Hien-My Nguyen
Katlyn Sanders
Kristin Ray

Arlett R. Hartie

FQAC - Accessories

\$117M in Sales FY21

Donna Streibich (KO-\$100M)
Mimi Pham (KO – SAT)
Marcia Henson (KO – SAT)
Kimberly Horger
Rachel Piecyk
Vincent Davis
Briana Conner (PACER)
Anthony Bouie (Purchasing Agent)

Roxane Owen

FQBA – ECWCS

\$261M in Sales FY21

Baotran Dao (KO-Unlimited)
Stefanie Caruso
Susan DeMarco
Matthew Everett
Miosotis Gonzalez-Figueroa
Patricia Lyles
Tiffany Taylor
Megan Ward (Purchasing Agent)

Evan Eisenberg
Donna Streibich
Baotran Dao
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 R. Hartie	Accessories	Supervisor	Arlett.Hartie@dla.mil
Roxane Owen	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
Baotran Dao	ECWCS	Contracting Officer	baotran.dao@dla.mil



Obligations



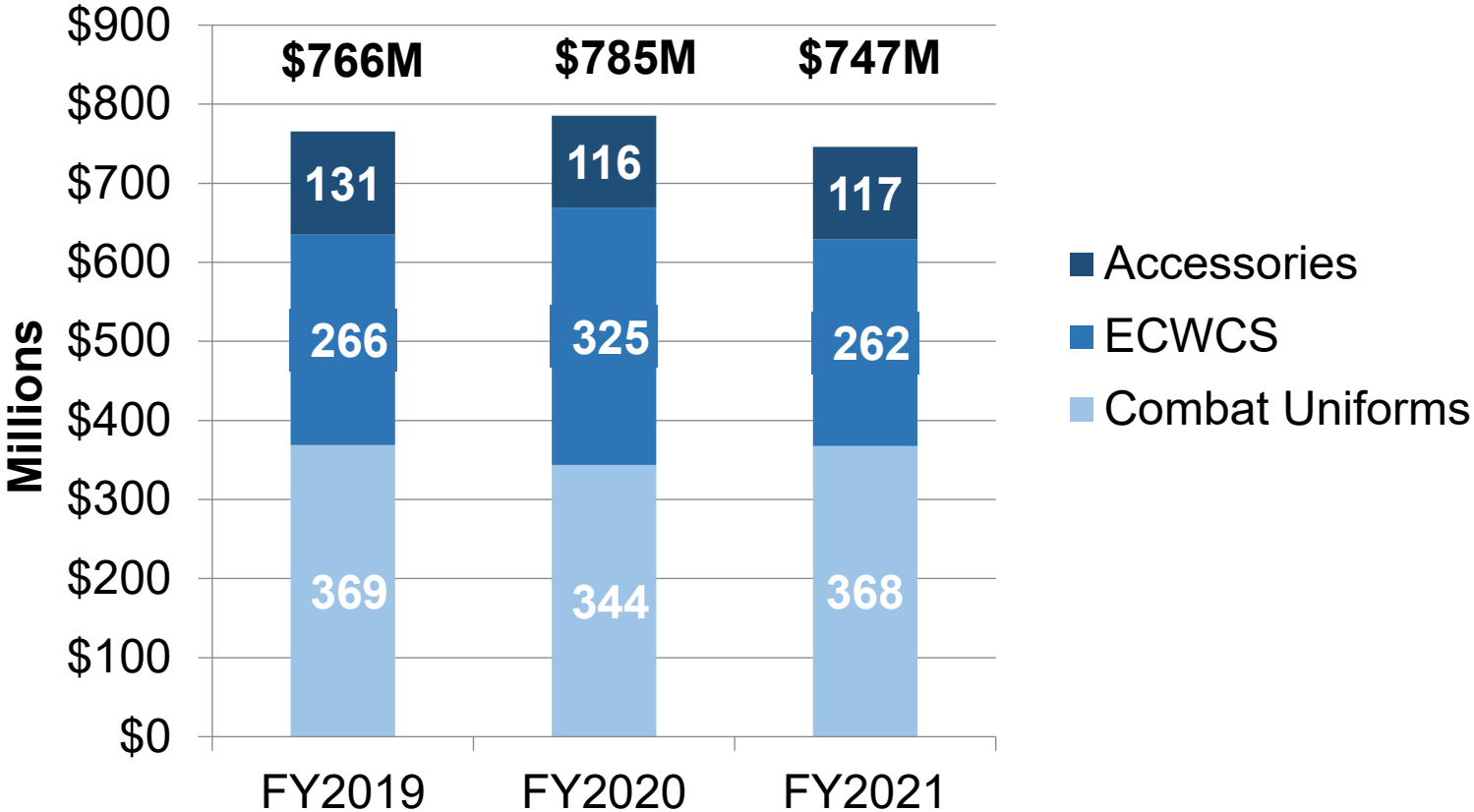


ECWCS Product Line Overview

- Product Line
 - Extreme Cold Weather Clothing System for the Army, Air Force, Navy, Marine Corps and Coast Guard
 - Base Layer Undershirt/ Drawers, Lightweight 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 54 long term contracts

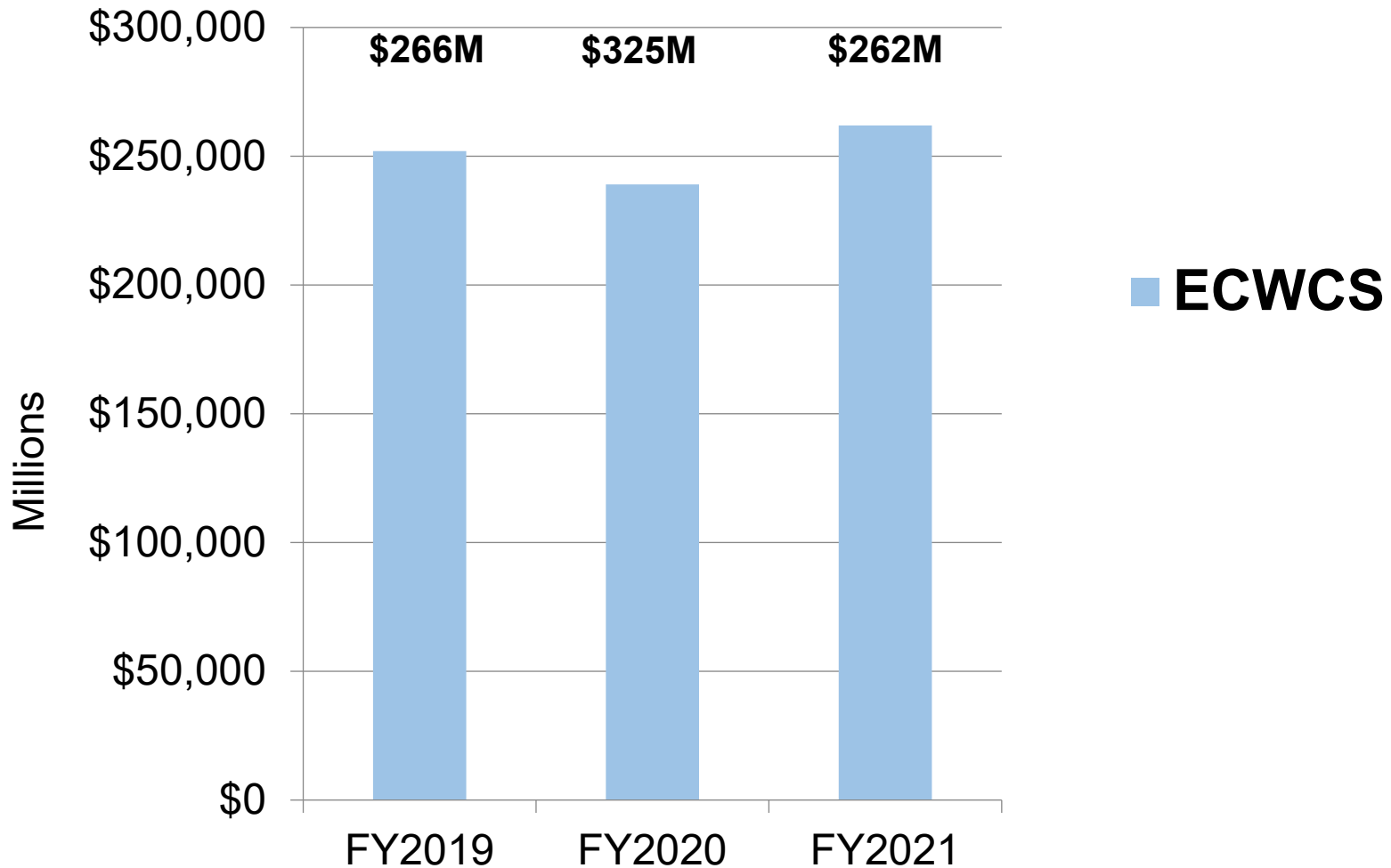


Field Clothing Sales FY2019 – FY2021



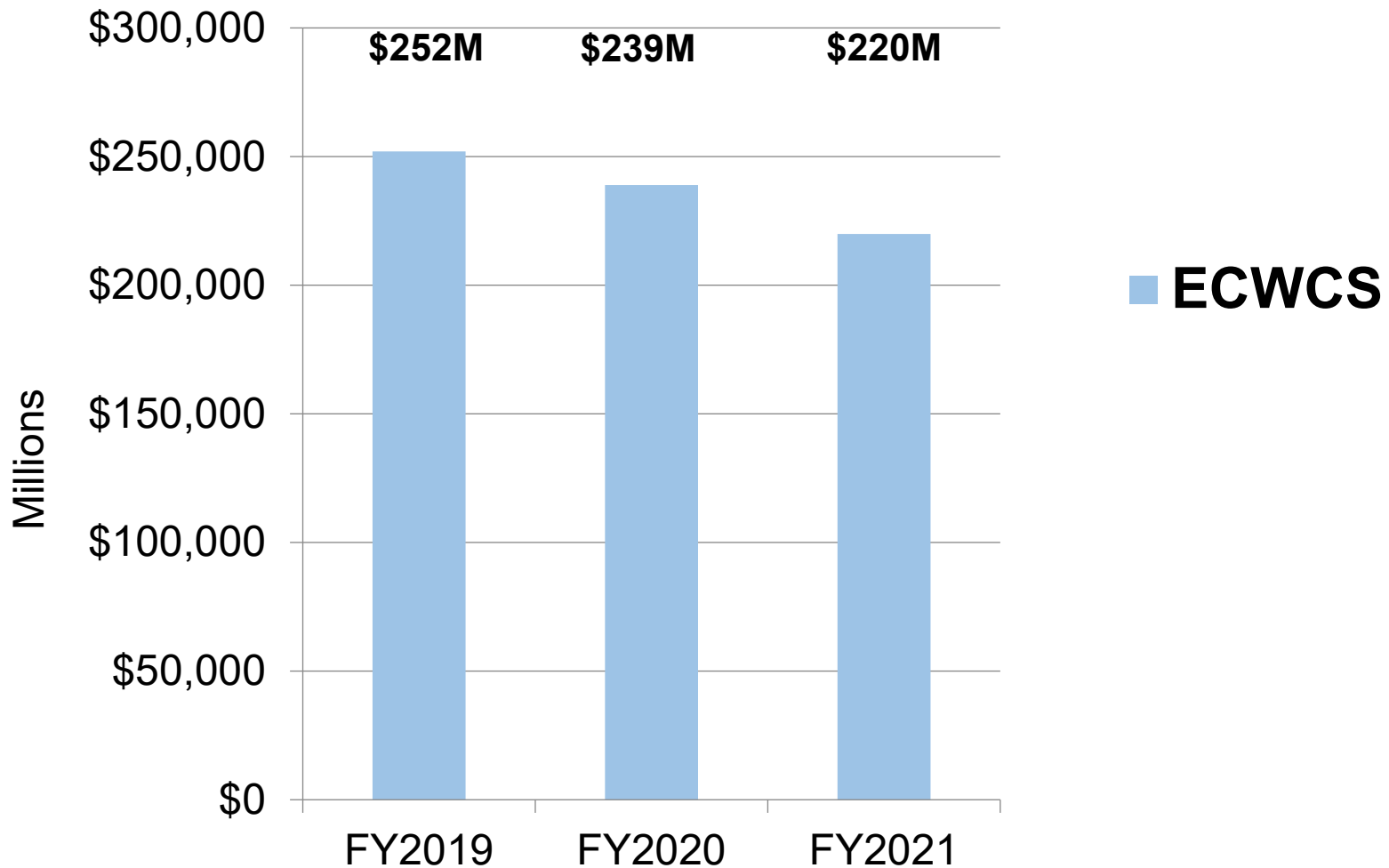


ECWCS Sales FY2019 – FY2021





ECWCS Obligations FY2019 – FY2021





Upcoming Opportunities

ITEM	STRATEGY	EST. CONTRACT LENGTH	MIN / MAX	EST. ISSUE DATE	BUYER
Layer 6 Trouser	Small Business Set-Aside/ SDVOSB	12 Month Base + 3 Option Terms	Qty Per Term: Min 45,000 EA Max 225,000 EA	Closed July 2021	Sue DeMarco
Silkweight Undershirts	Mandatory	12 Month Base + 4 Option Terms	Qty Per Term: Min 130,000 EA Max 650,000 EA	Closed Sept 2021	Stefanie Caruso
Silkweight Drawers	Mandatory	12 Month Base + 4 Option Terms	Qty Per Term: Min 140,000 EA Max 700,000 EA	Closed Oct 2021	Stefanie Caruso



Upcoming Opportunities

ITEM	STRATEGY	EST. CONTRACT LENGTH	MIN / MAX	EST. ISSUE DATE	BUYER
Navy TFU Black Fleece Liner/Navy Parka Liner/Coyote Brown Fleece	Mandatory	12 Month Base + 3 Option Terms	Qty Per Term: Min 30,720 EA Max 153,600 EA	Closed Oct 2021	Tiffany Taylor
Layer 6 Jacket	Small Business Set-Aside/ SDVOSB	12 Month Base + 3 Option Terms	Qty Per Term: Min 84,000 EA Max 420,000 EA	Dec 2021	Sue DeMarco
Gen III Layer 7 Parka	Small Business Set-Aside/ SDVOSB	12 Month Base + 4 Option Terms	Qty Per Term: Min 27,564 EA Max 137,820 EA	Dec 2021	Stefanie Caruso



Upcoming Opportunities

ITEM	STRATEGY	EST. CONTRACT LENGTH	MIN / MAX	EST. ISSUE DATE	BUYER
Cloth Laminate	Full and Open Competition	12 Month Base + 4 Option Terms	Qty Per Term: Min 15,846 EA Max 79,234 EA	Dec 2021	Matthew Everett
Satin Cloth	Full and Open Competition	12 Month Base + 4 Option Terms	Qty Per Term: Min 8,307 EA Max 41,535 EA	Jan 2022	Matthew Everett
Navy Parkas Type II and Type III	Small Business Set-aside	12 Month Base + 4 Option Terms	Qty Per Term: Min 14,004 EA Max 70,008 EA	Jan 2022	Mio Gonzalez



Upcoming Opportunities

ITEM	STRATEGY	EST. CONTRACT LENGTH	MIN / MAX	EST. ISSUE DATE	BUYER
Layer 7 Trousers	TBD (Competitive/ Set aside)	TBD	TBD	TBD	TBD
Knit Cap Watch Navy	Mandatory	TBD	TDB	TDB	TBD
Parka APECS Type II	TDB	TBD	TDB	TDB	TBD



Reminders

- Review Suppliers Performance Risk System score-SPRS (formerly PPIRS) at <https://www.sprs.csd.disa.mil/> **REGULARY**. If there is a discrepancy with your score, contact Tim Atwell at timothy.atwell@dla.mil) to seek resolution for any discrepancies.
- Fill out the clauses in the solicitation in its entirety. Non-compliance may result in rejection of offer and removal from competition.
- Do not pull PDMs from production.
- When test reports are required, read through the reports to insure they correctly match the solicitation.
- Start reviewing the technical specifications at the Market Research stage. Request for standards and patterns in advance through the repository at <http://www.dla.mil/TroopSupport/ClothingandTextiles/SpecRequest.aspx>
- Ensure your System for Award Management (SAM) registry is up-to- date and active.
- Ensure you have long term agreements with your subcontractors and suppliers prior to submitting a proposal.



Reminders

- 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.
- Delivery Schedules
 - Report delays in advance so we can plan accordingly.



Team Points of Contact

NAME	TITLE	EMAIL
Roxane Owen	Supervisor/Contracting Officer	Roxane.owen@dla.mil
Baotran Dao	Contracting Officer	Baotran.Dao@dla.mil
Sue DeMarco	Contract Specialist	Susan.DeMarco@dla.mil
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Miosotis Gonzalez	Contract Specialist	Miosotis.Gonzalez@dla.mil
Patricia Lyles	Contract Specialist	Patricia.Lyles@dla.mil
Tiffany Taylor	Contract Specialist	Tiffany.Taylor@dla.mil
Matthew Everett	Contract Specialist	Matthew.Everett@dla.mil
Megan Ward	Purchasing Agent	Megan.Ward@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 2021

James Murdock
Engineer, PM SCIE
james.a.murdock28.civ@army.mil



Cold Weather (CW) Ancillary Items



Shifting focus from Hot/Dry environments to Cold/Extreme-Cold Dry & Wet Environments

- **Where we are:**
 - Developed Commercial Item Descriptions (CID) and in the process of transitioning Supply Request Packages (SRP) to Defense Logistics Agency – Troop Support (DLA-TS) for long-term sustainment contract awards:
 - CW Family of Socks – anticipated SRP acceptance Jan 22.
 - Liner, Light, Medium, Heavy
 - Balaclavas – anticipated SRP acceptance Jan 22.
 - Boot Gaiters – SRP accepted 20 Oct 21; projected DLA-TS contract award 30 Jun 22
 - Limited User Evaluation for Lightweight Performance Hood planned for 3/4Q FY22, CID and SRP package will follow with DLA-TS contract award estimated 3/4Q FY23.



Interest to Industry: Multiple opportunities to compete for DLA-TS long-term sustainment contracts in FY22 & FY23



Next Generation Cold Weather Clothing & Footwear



- **Where we are going:**

- New requirements documents planned to be initiated by Maneuver Capabilities Development and Integration Center for:
 - Next Generation Cold Weather Clothing System
 - Replacement to Extended Cold Weather Clothing System (ECWCS)
 - Reduced layers, reduced weight/bulk, enhanced materials and design
 - Next Generation Extreme Cold Weather Boot
 - Replacement to Extreme Cold Wet Boot/Vapor Barrier Boot
 - Improved performance and integration with skis/bindings, reduced weight/bulk, increased slip resistance, and traction on ice
- Will result in new acquisition programs with PM developed acquisition strategies that support providing enhanced capabilities to Warfighters.

Interest to Industry: Opportunity to participate in Industry Days to showcase vendor's current/future capabilities and compete for RDTE, Production, and Sustainment Contracts



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USAF PEO Agile Combat Support Human Systems Division (WNU) JAPBI Environmental Session

18 Nov 21

Debra McLean, USAF
Acting Chief, Combat Ready Airman
Program Manager
Debra.a.mclean4.civ@mail.mil

PA Case Number: AFLCMC-2021-0264

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AGENDA

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New Cold Weather Footwear Efforts

Cold Weather Handwear Efforts

CW Ensemble Efforts



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New Cold Weather Combat Boots



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Common
Solution
Initiative!

- USAF requirement to modernize the **Cold Weather Footwear** in Mobility Bag
- **Army program** tested (3) boot manufacturer's candidates
- Army issued candidates to AF Security Forces and other Ground Ops Specialties for Limited User Eval (LUE)
- Well liked, protected at -20F, met heat/ flame DOD boot stds
- No half-sizes, nor female specific, but sized down to size 3
- **AF WNU approved** Army GL-PD-19-03, Rev A, 20APR20
 - For USAF Defenders and Aviators
- Furnished 3-yr AF annual demand requirements to DLA
- **AF also seeking same configuration type but with safety toe**
 - Contact us if interested

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New Cold Weather Overboots



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Multi-Service
Common Solution
Initiative!

- USAF requirement to modernize the **Cold Weather Footwear** in Mobility Bag
- Environmental protection gap for footwear btwn (-20F) to (-60F)
- **Army program** tested (3) different **CW Overboot candidates**
- Army issued to AF Security Forces for Limited User Eval (LUE)
- Awaiting Army lab tests for estimated low end temp range
 - Overboot can extend protection down to XX deg F when worn over CWCB? TBD
- AF **WNU decision TBD** for Defenders and Ground Specialties



Improved Cold Weather Boot Aviation Requirements

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AF SBIR PH II
Heated Boot Liner
Multi-Service!

- Environmental protection gap for footwear is -20F down to **-65F** (-54C) ambient / and **windchill -140F** (-96.5C)
- Provide Heat and Flame Protection, and No Melt No Drip
- **Foot dexterity /flexibility** required to flight mission task
- Fit 5th to 95th percentile population for both men's and women's specific sizes
- Wear with Cold Weather Aviation System, ground clothing, and equipment
- Interface / Not interfere with G-Suit trouser inflation, or ejection
- Good **slip resistance** to icy surfaces, snow, jet fuels, and oil
- Moisture management, maintain dry feet, with temp control based on skin temp



New Cold Weather Handwear Ground Requirements

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Multi-Service
Common Solution
Initiative!

- USAF requirement to modernize the **Cold Weather Handwear System** in Mobility Bag
- CWGS shall provide environmental protection in the temperature ranges of 40°F to -40°F Threshold (T), 40°F to -60°F or below Objective (O). The CWGS shall not melt or drip when exposed to heat or flame at the next to skin level and self-extinguish once the heat or flame is removed (O) Objective.
- AF Security Forces conducted Limited User Evals (LUE) in AK
- **Army program** CW system candidates Jan – Apr 20
- **USMC program** CW Handwear system Feb – Apr 21
- Govt design closest for operability, durability, human factors reqd
- **USAF may require immediate COTS for mobility bag on DLA CW Blanket Purchase Agreement (BPA)**



Improved Cold Weather Glove Aviation Requirements



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Potential
Multi-Service Common
Solution Initiative

RQMTS

Provide Heat/Flame Protection, and No Melt No Drip

- Environmental Protection **-65F (-54C)** ambient / and **windchill -140F (-96.5C)**
- **Not degrade tactility/ dexterity** required to flight mission tasks, emergency egress
- Enable Commercial Mobile Device **touch screen** operated by touching (Desired) w/out causing delay, contact error, or miscommunication, vs bare hand
- **Not become stiff or crack** under cold environment that interferes with its use, wear life, durability, required protection, and/or dexterity performances
- Fit 5th to 95th percentile population for both men's and women's sizing

NOW

- Leverage new NAVAIR specification for New CW Flyer Gloves
- Testing 2 different HEATED glove candidates including Army SBIR Gloves

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Cold Weather Clothing Ensemble Combat Ready Airman (ground)



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- Existing (Legacy) **AF Ground CW Ensemble** is:
Army ECWCS GEN III (not a flame resistant system)

Multi-Service
partnerships

- AF seeks modernization options** for Extreme Cold, Cold, and Cold/Wet environments

- At present, AF Mobility CW Bag is
getting ECWCS GEN III

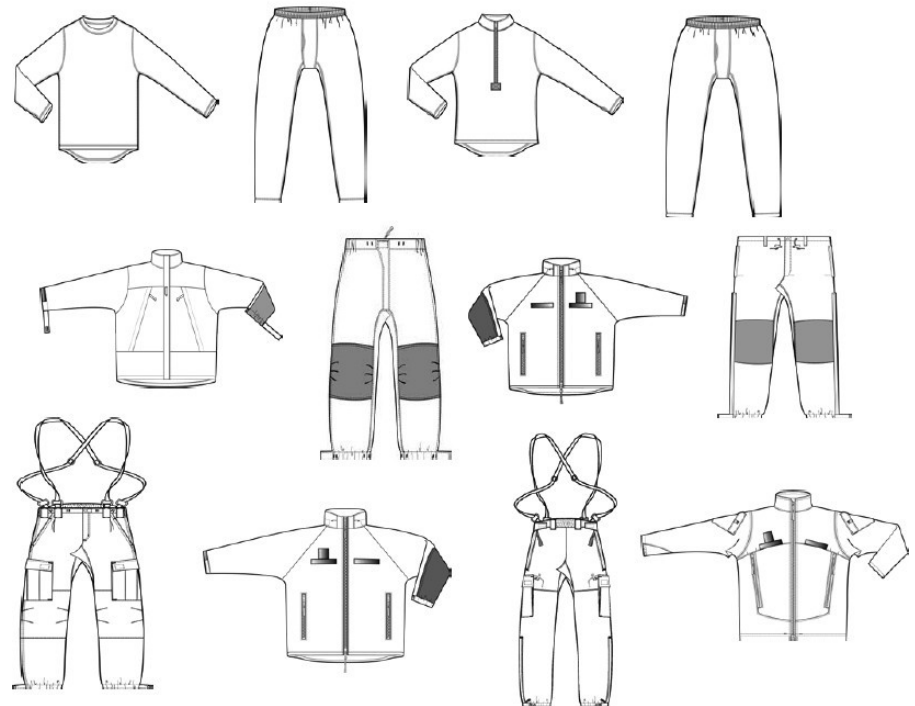
- Security Forces' Cold and
Cold/Wet Handwear System rqrmt

- Review DOD / market options

- Conducted Limited User Eval (LUE)
of Army's RDE Jan- Mar 21:
Cold Temp Arctic Protection System

- Finalize user requirements

GENERATION III (ECWCS GEN III)



SUPERSEDURE NOTICE: TM 10-8415-236-10 dated 1 November 2014

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Cold Weather Clothing Ensembles Aviation



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NOW

- Existing (Legacy) AF Aviation CW Ensemble is:

AF Cold Weather Aviation System (CWAS) with full FR components

Each item provides Heat/Flame Protection, and No Melt, No Drip

Multi Service
Components



Base



Midweight



CWU-27/P



AF
IWOL



EWOL



Gloves

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Boots



Draft - Polar Tactical Airlift Extreme Cold Clothing System

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Aircraft Maintainers / Aviators

- 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 (Trouser, 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) Flame protection, and no melt/no drip on skin
- 13) Moisture Management
- 14) Foreign Object Debris (FOD) protection
- 15) Eliminate/Mitigate Static Spark explosion risk



Existing/ Legacy Items



Cold Weather Clothing Ensembles AVIATION



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- **NEXT – Modernize!**
- Improve CWAS (PACAF Lead proponent) for
 - bladder relief device accommodations
 - improve female fit
- Testing Heated Clothing /Footwear/Gloves (AF Global Strike Command)
 - Environmental Protection -65F (-54C) ambient / and windchill -140F (-96.5C)
 - Designs must fit at least 5th to 95th percentile population for men and women
- Potential future need for Maternity Flyer's cold weather layers
 - Compatible with newly developed 1pc & 2pc Maternity Flight Duty Uniforms
 - Conforming, growth adjustable fit through 2nd trimester
 - Eliminate snag hazard of wearing upsized/over sized clothing
- Improve signature management (for concealment)





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QUESTIONS?



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MARINE CORPS SYSTEMS COMMAND
Equipping our MARINES



*Program Manager
for
Infantry Combat Equipment (PM ICE)*

**USMC COLD WEATHER CAP
JAPBI 17-18 Nov 2021**

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Government owned Cold Weather Cap (CWC) pictured below is a new USMC developed item and will not replace the current hardface fleece cap currently in inventory.



- Government owned design – sustainable
- Current headwear items do not provide sufficient protection; CWC developed to provide material solution. Design consists of:
 - Water resistant nylon outer shell material
 - Fleece insulation
 - Short visor
 - Inner earflap and full extension ear flaps that secure under the chin with hook and loop
 - May also be worn with ear flaps flipped up with hook and loop attached at the crown of the head

Key Milestones

Event	Date
Contract awarded to begin pattern development	October 2019
LUE completed – Norway & MWTC	March 2020
Completed design updates; patterns maintained at NCTRF	March 2021
Contract award for 36,100 CW Caps with deliveries beginning Dec 2021	July 2021
End item specification process; to include full coordination review via ASSIST	September - December 2021
Transition SRP to DLA-TS for sustainment	January 2022

- Design and specification have been shared with the other services to promote cross service collaboration.



MARINE CORPS SYSTEMS COMMAND
Equipping our MARINES



*Program Manager
for
Infantry Combat Equipment (PM ICE)*

***USMC Intense Cold Weather Boot
JAPBI 17-18 Nov 2021***

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- Commercial Item Description
- Capability Gap – The ICWB will fill a current capability gap the Marine Corps has experienced for the past 20 years. The ICWB will be worn with an overboot which the Marine Corps will be a user once the Army identifies a viable solution.
 - Full grain black leather
 - 400 grams of insulation
 - Configured to be worn with the Military Ski System
 - Snow shoe compatible

Key Milestones

Event	Date
LUE completed – Norway & MWTC	FY 18-20
Contracts awarded	FY19
Engineer Change Proposal	FY19/20
IOC Marine Rotational Force Norway	FY20
SRP in draft	FY21
Transition SRP to DLA for sustainment	FY22



NAVAL SUPPLY SYSTEMS COMMAND
NAVY EXCHANGE SERVICE COMMAND

NAVY SHIPBOARD/FLIGHT DECK FLAME RESISTANT COLD WEATHER CLOTHING SYSTEM

Presented to:

Environmental Protection Clothing

Breakout Session, JAPBI 2021

Presented by:

Chris Diaz

Lab Manager, Test & Evaluation Laboratories
Navy Clothing & Textile Research Facility

18 November 2021



READY. RESOURCEFUL. RESPONSIVE.

CUI

Controlled by: Dept of Navy : :
Controlled by: NCTRF : : : :
Categories: CTI : : : : : :
Dissemination: FEDCON : : : :
POC: Amy Brayshaw, : : : :
508-206-2763 : : : : : :

Development of Shipboard/Flight Deck Flame Resistant (FR) Cold Weather Clothing System

Capability Gap

A cold weather clothing system with integrated flame and environmental protection for Navy shipboard and flight deck personnel operating in heavy weather, cold weather, and arctic environments that can be readily procured through the supply system.

NCTRF is utilizing NAVSUP R&D funding to develop a shipboard/flight deck cold weather clothing system for afloat personnel in cold and Arctic regions that:

- Is modular and provides flame, cold, wet, and wind protection
- Is easily-procurable and available in the supply system
- Provides a uniform military appearance
- Meets requirements developed and endorsed by the fleet



- Environmental Protection
- Flame and Flash Fire Protection
- Safe for Shipboard and Flight Deck Operations
- Sustainment



Layered Clothing

- Next-to-skin layer
- Insulation layer(s)
- Protective layer(s)

Extremity Protection

- Handwear
- Headwear
- Socks



- 2-piece FR shipboard uniform
- Improved shipboard cold weather jacket
- FR coveralls
- Flight deck uniform
- Personal protective equipment
- Safety equipment



- Improved FR and cold protection
- Improved moisture management
- Reduced weight and bulk
- Utilization of intra-service and cross-service commonality



NAVAL SUPPLY SYSTEMS COMMAND
NAVY EXCHANGE SERVICE COMMAND

Improved Shipboard FR Cold Weather Jacket



Project Scope

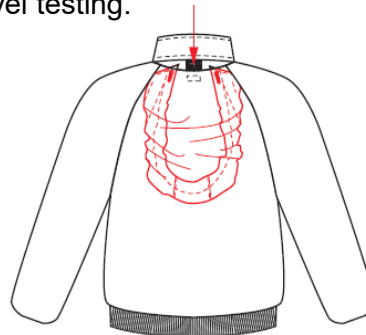
The product improvement effort is to update materials, add a hood, and reduce weight and bulk, while maintaining or increasing the level of FR and cold protection.

Key Performance Parameters

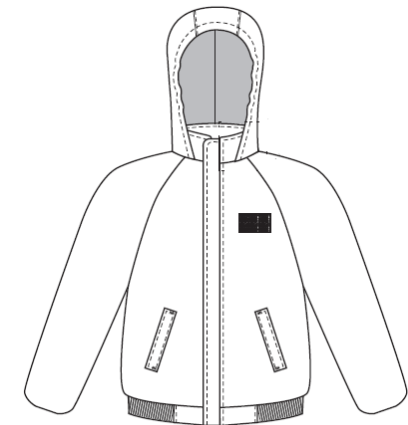
Flame and Flash Fire Protection
Environmental Protection

Project Status

Jacket hood design and materials will be down-selected based on system level testing.



CUI





NAVAL SUPPLY SYSTEMS COMMAND
NAVY EXCHANGE SERVICE COMMAND

Industry Partnership



Upcoming Opportunities

- Materials for shipboard/flight deck cold weather clothing system
- Manufacture of improved shipboard cold weather jacket for user evaluation
- Manufacture of government design clothing layers for shipboard/flight deck cold weather clothing system

Contact Info

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