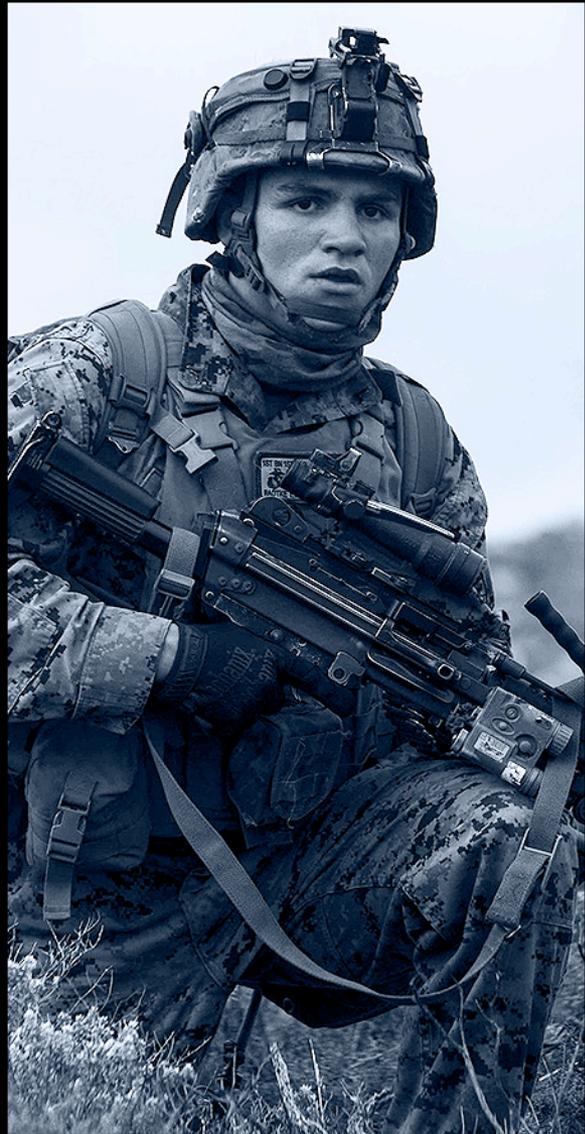




# DEFENSE LOGISTICS AGENCY

THE NATION'S COMBAT LOGISTICS SUPPORT AGENCY



**DLA Troop Support  
Clothing & Textiles  
Gloves, Tape, Webbing & Wet  
Weather Gear Team**

**Tanya Lockley  
IST Chief**





# Team POCs



Name	Title	E-mail
Tanya Lockley	Supervisor	<a href="mailto:Tanya.lockley@dla.mil">Tanya.lockley@dla.mil</a>
Denise Vogelei	Senior Contracting Officer	<a href="mailto:Denise.Vogelei@dla.mil">Denise.Vogelei@dla.mil</a>
Rafael Nazario-Vidal	Contracting Officer/Acquisition Specialist	<a href="mailto:Rafael.nazariovidal@dla.mil">Rafael.nazariovidal@dla.mil</a>
Samuel Clifton	Contracting Officer/Acquisition Specialist	<a href="mailto:Samuel.Clifton@dla.mil">Samuel.Clifton@dla.mil</a>
Clifford Lawson	Acquisition Specialist	<a href="mailto:Clifford.Lawson@dla.mil">Clifford.Lawson@dla.mil</a>
Jeffrey Fox	Acquisition Specialist	<a href="mailto:Jeffrey.fox@dla.mil">Jeffrey.fox@dla.mil</a>
Matthew Mundy	Acquisition Specialist	<a href="mailto:Matthew.mundy@dla.mil">Matthew.mundy@dla.mil</a>
Dominik Dos	Acquisition Specialist	<a href="mailto:Dominik.dos@dla.mil">Dominik.dos@dla.mil</a>



# Product Line Overview



## GLOVES

Three (3) Production Categories: String Knits ~ Cut & Sew ~ Rubber Gloves

Dress Gloves, Flyer's Gloves, Light Duty Gloves, Heavy Duty Gloves, Fuel Handler Gloves, Flexor Gloves, Barbed Wire Gloves, Disposable Gloves, Rappelling Gloves, Welder's Gloves, Chemical Protective Gloves, Heat & Immersion Protective Gloves, Protective Impact Gloves, MMA Gloves, Combat Gloves, Intermediate Cold Weather Gloves, Extreme Cold Weather Mittens

## TAPES & WEBBING

Hook Fastener Tape, Pile Fastener Tape, Textile Tape, Textile Webbing

## WET WEATHER GEAR

Poncho Liners, Ponchos, Wet Weather Parkas, Wet Weather Trousers,

## SPECIAL PURPOSE ITEMS

Construction & Welder's Aprons, MMA Protective Masks, Protective Chaps, Radioactive Contaminant Protective Coveralls, Welder's Slevve, Protective Chaps

## MISCELLANEOUS ITEMS

Needles & Thread, Leather, Yarn, Sewing Kits, Martial Arts Kits



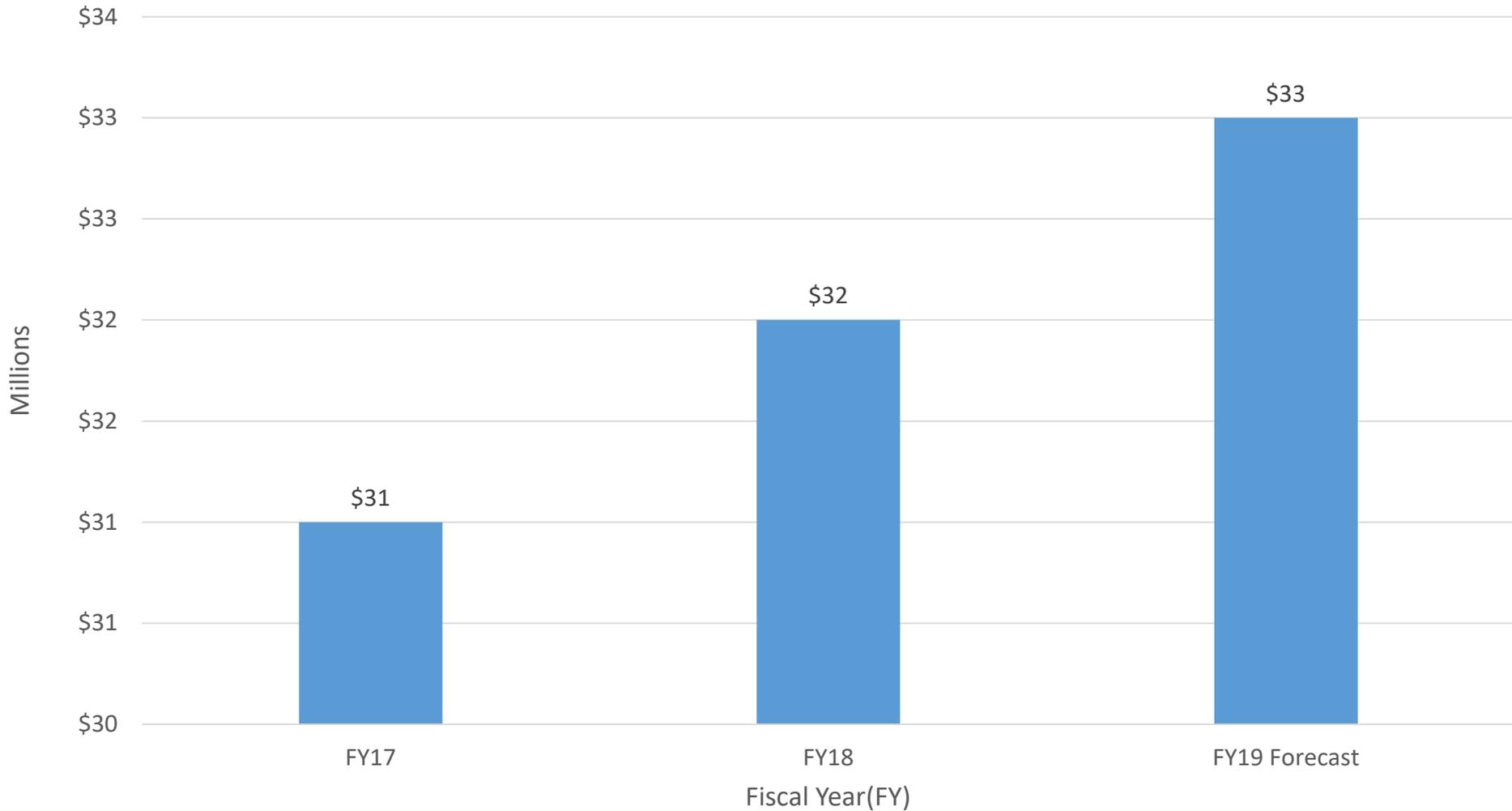
# Product Line Overview



- Number of Items: Approximately 381 PGCs
- Number of Long Term Contracts: 32
- Number of Purchase Orders: 73
- Number of IDPOs: 10
- Special Program Support
  - Nuclear Program Support (NESO) – Various Gloves, Tapes, Webbing
  - Wildland Firefighting – Three Gloves & Protective Chaps
- Critical Acquisitions: Otto Fuel Glove and Electrical Gloves (NESO), White Simplex Dress Glove (Ceremonial), Rubber Industrial Gloves, Barbed Wire Gloves, Extreme Cold Weather Mittens (Limited sources)



# Material Obligations





# Closed Procurements



Item	Status	Award Date
Unisex Dress Glove	Awarded (2)	October 2018
Rubber Industrial Glove	Awarded	August 2018
Barbed Wire Glove	Awarded	March 2018
Anti-Flash Glove	Awarded	February 2018
Flexor Glove	Awarded	February 2018
Welder's Glove	Awarded	February 2018
Heavy Duty Cattlehide Glove	Awarded	January 2018
Flexor Glove	Awarded	November 2017
Summer Flyer's Touch Screen/Non-Touch, CVC Gloves	Awarded	October 2017



# Closed Procurements



Item	Status	Target Award Date
RCP Coveralls	Under Evaluation	December 2018
White Dress Gloves (Simplex)	Under Evaluation	December 2018
Army Combat Capacitive Glove	Pre-award protest pending GAO decision	January 2019
Advanced Combat Shirt	Under Evaluation	April 2019



# Upcoming Opportunities



Item	Est. Issue Date	Strategy	Acquisition Specialist
Advanced Combat Shirt	November 2018	Mandatory	Samuel Clifton
Barbed Wire Glove	November 2018	Small Business Set-Aside	Clifford Lawson
Chemical & Otto Fuel Glove	December 2018	Unrestricted	Rafael Nazario-Vidal
CW Glove Insert	December 2018	Small Business Set-Aside	Rafael Nazario-Vidal
Electrical Glove	December 2018	Small Business Set-Aside	Jeffrey Fox
Disposable Glove	November 2018	Small Business Set-Aside	Samuel Clifton
Light Duty Utility Glove	November 2018	Small Business Set-Aside	Jeffrey Fox
Winter Flyer's Glove	November 2018	Small Business Set-Aside	Clifford Lawson
Poncho Liner	December 2018	Mandatory	Clifford Lawson



QUESTIONS

THANK YOU



WARFIGHTER FIRST



**Project Manager**  
**Soldier Protection and Individual Equipment**

# **The Soldier**

**Our Strength and Purpose**

**Product Manager**  
**Soldier Clothing and Individual Equipment**

**Cold Weather Glove System Update**  
**to**  
**Joint Advanced Planning Brief for Industry**

**29 November 2018**

Dan Young, Acquisition Support Analyst  
Load Carriage



# Cold Weather Glove System



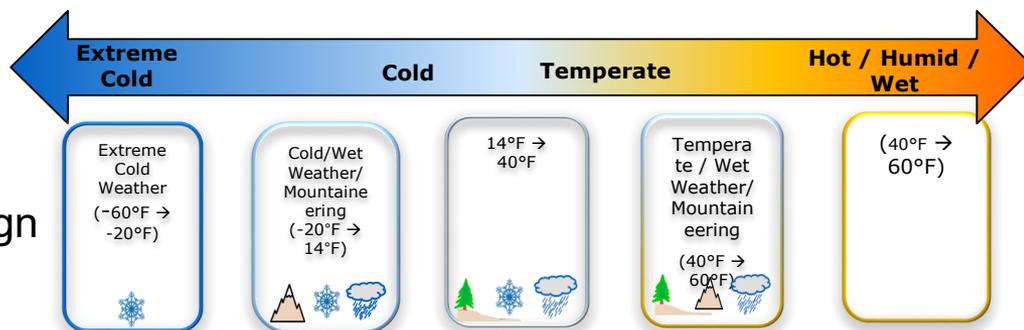
## Where We Are:

- U.S. Army current cold weather hand wear consists of seven items ranging from liner and anti-contact gloves to Extreme Cold Weather (ECW) mittens
- Some components of the system are no longer procurable. The Trigger Finger (TF) Mitten Liner for example is no longer domestically produced. The TF liner was shared between the TF mitten and the ECW mitten
- Results from CTAPS-H study demonstrated areas where Soldiers feel improvements can be made
  - ECW mitten well regarded
  - Intermediate Cold Wet Glove can be improved
  - Dexterity study, user eval show value in TF mitten
  - ECW mitten identified as versatile



## Where We Are Going:

- OCIE Production Document in staffing for final signature
- Modular cold weather hand wear solution that balances protection from environmental and man made threats found in extreme cold weather environments
  - Packable/light weight
  - Moisture management
  - Durable
  - Capacitive
  - FR/NMND
- Investigate Novel materials and design solutions
- Limited User Evaluation 2FY20



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# Joint Advanced Planning Briefing To Industry (JAPBI)

29 Nov 2018

## USAF Gloves

Debra McLean  
Aircrew Performance  
Human Systems Programs PEO Agile  
Combat Support  
[debra.a.mclean4.civ@mail.mil](mailto:debra.a.mclean4.civ@mail.mil)

(508) 233-4954



# Flyer Gloves Roadmap



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**FY 18 19 20 21 22 23**

## Summer Flyer Gloves

**AF Human Systems Program Office**

2016-17 Commercial local purchase  
**Touch Screen Summer Flyer Gloves**

**Local Purchases**

**NAVAIR Lead/ AF Partner**

**New Touch Screen Summer Flyer Gloves**  
DLA Production awarded Jan 18

**DLA Sustainment Buy**

## Cold Weather Flyer Gloves

**AF Human Systems Program Office**

2016-17 Commercial STF Test Program **TS**  
**Cold Weather Flyer Gloves**

**Local Purchases**

**NAVAIR Lead/ AF Partner**

**2017-19 New Upgrade/replace HAU-15P Cold Weather Flyer Glove**  
- waterproof breathable, wind resistant  
- Improved cold weather insulation

**DLA Sustainment Buy**

**2019 New update to HAU-14P Intermediate CW Flyer Glove**  
- water resistant breathable, wind resistant

**DLA Sustainment Buy**



# Touch Screen Summer Flyer Gloves

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# Touch Screen Flyer Glove



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## Touch Screen Summer Flyer Glove

## SUSTAINMENT

Requirements for cloth based on:

Cloth, Knitted Polyamide, High Temp Resistant, Simplex, Jersey: MIL-C-81393B

- DLA is running first production contract for flight gloves
- Challenges with meeting conductivity testing, balancing requirements
- Independent test lab (UCINN Lab Tests) for 3 domestic tanners
  - Chemistry of chromium oxide
  - Perspiration resistance
  - Leather shrinkage
  - Color shade
  - Electrical conductivity test pass/fail enable touch screen operability





# Cold Weather Flyer Gloves



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**HAU-15P Intermediate Cold Weather Glove**



# Cold Weather Aviation System Glove Requirements

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## Glove Requirements:

- Color appropriate to integrate with multi-layered garment
- **Minimize overall bulk**
- Provide for **maximum cold weather protection**
- **High level of dexterity and flexibility** during flight operations and post ejection activities
- **Touch Screen operability**

## Minimum acceptable performance requirements:

- **Withstand a 650 KEAS wind blast for up to 3 seconds** without significant degradation of material
- Provide **protection from snow, ice, and wind in excess of 55mph**
- Protection from **frostbite in the hand and finger areas in -49° F temps for 2 hours**
- Provide **FR** protection equal to or better than legacy flight glove standards
- Ability to **operate all switches, controls,** and perform other crew duty station required tasks as necessary.
- Shall **not interfere with ingress or egress of the aircraft** during normal or emergency conditions
- **Odor** management, **moisture** management, and **fungal resistance** that would typically occur while wearing the system or sub-system **for 12-18 hour durations.**



# Cold Weather Aviation System CWAS Gloves



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## System Description

Aviation gloves pre-flight, in flight, post flight, normal, and emergency egress for extreme cold weather conditions gloves and approve Safe To Fly (STF)



## Program Schedule

- Nov 11: Original Requirement Received
- May 13: Tested Boots and Gloves
- Jun 14: Revised Boot Requirement
- Nov 14: Technical Tests
- Sep 15: Wind Blast and Integration Testing
- Mar 16: Flight Tested in Op Test
- Sep 16 Safe To Fly (STF) approvals

## Requirements

Protects in environments from -20 degrees F for 2hrs (T); Down to -49 degrees F for 6 hours (O)

Fire Resistant, Improve dexterity, and warmth

Minimal bulk - Easy ingress/egress of aircrew

Can withstand windblast of 450 KEAS, 3 sec

Moisture wicking

Compatible with existing AFE

## Program Status

- Created [Approved Safe To Fly Glove List](#)
- 2 commercial styles approved/available
- Authorized STF and commercial buys
- [Assisted Navy: PD HAU-15P updated](#)
- [Navy prototyped Med size \(Govt design\)](#)
- [Navy conducting Fit eval](#)
- [Supply Request Pkg for DLA - May 19](#)



# 2018 Cold Weather Aviation Gloves Commercial Off The Shelf (COTS) Effort



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**Objective: Improve Tactility and Dexterity for more options on STF List**

## **Completed:**

**Sep 2017 Conducted Market Search**

**Nov 2017 Ordered six (6) flame resistant glove candidates for testing lightly insulated, improved tactility for flyers**

**Mar 2018 Limited User Evaluations at Aircraft platforms on 4 styles at 4 Air Nt'l Guard locations (in cold weather)**

**May 2018: Ordered materials and leathers from each manufacturer for candidates**

## **To Do:**

**Nov 2018 Testing whole gloves for clo values at Navy Clothing & Textiles Research Facility (NCTRF)**

**Dec 2018 Test materials and Touch Screen leathers at Army and NCTRF test labs**

**Dec 2018 Conduct User Evals at 3 more locations with all styles**

**Jan 2019 Data Analysis, Safe To Fly (STF) Decision on 6 COTS style**

**Safe To Fly Glove List** – Identifies to AF Aviation which commercial products are authorized to wear for flight duties, and can be purchased directly from industry

**Safe To Fly Glove List** – Manufacturers must certify it meets and no change to item



# 2018 CW Aviation Glove Test Candidates

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ve



g temperature, featuring moisture technology, this glove is built for light crew.

oderate

p increase in extreme conditions

ex\* and comfort  
Foliage





# AF Cold Weather Gloves for Ground Use

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**FY 18 19 20 21 22 23**

**AIR FORCE: No specific Requirement**

2016-18 Decentralized  
*AF Commands buy various CW gloves from commercial sources*

*AF Human Systems Program Office*

*Request funding: PROC and O&M*

**ARMY Program: AF Interest**

**Pending AF Rqmt and \$**

<b>Cold Weather Glove System OCIE Capability Production Doc</b>	<b>AF Test Samples</b>	<b>AF buy into Army Initial production</b>	<b>Join Army in SRP Dev &amp; Sustainment</b>
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- Water resistant
- Wind resistant
- Breathable, moisture management
- Improved insulation
- Cold Weather Glove, Trigger Finger, and Mitten

**USMC Cold Weather: AF Interest**

**Pending AF Rqmt and \$**

<b>Contact Glove Project</b>	<b>AF Test samples</b>	<b>AF buy into USMC Initial Production</b>	<b>Join MC in SRP Dev &amp; Sustainment</b>
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**DLA CW Gloves  
No Demand, No Stock**

**DLA New CW System**



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# QUESTIONS