



# DEFENSE LOGISTICS AGENCY

AMERICA'S COMBAT LOGISTICS SUPPORT AGENCY



**Gloves and Wet Weather Gear**

**Lisa Marie Vivino**

**October 20, 2016**



# Program Overview

- Product Line: Combat Gloves, Wet Weather Gear, MC Martial Arts Training Kits, Tapes, Webbing, Fasteners, Needles and Threads
- Special Program Support:
  - Wildland Firefighting – Three Gloves and Protective Chaps
  - Nuclear Program Support
  - Operation United Assistance – Glove Support for the Ebola Outbreak
- # of Items: Approximately 381 active PGCs
- Critical Acquisitions: Light Duty Utility Glove (LDUG), Otto Fuel Glove, Electrical Gloves (various voltages), White Simplex (Old Guard/Ceremonial), Multiple Items for Afghan Security Forces
- Command Interest: LDUG – recruit centers at low stock  
Otto Fuel – critical safety/foreign source of supply



# Obligations

- FY15: \$16.0M
- FY16: \$21.8M
- FY17 Forecast: \$16.2M



# Open Procurements

- Electrical Gloves  
PGC 01850/01851/01852  
Solicitation closes 24 October 2016, TAD February 2017
- ProTech Cold Weather Gloves  
PGC 04185  
Solicitation to be issued Oct 2016, TAD January 2017
- Tape, Textile  
PGC 90179  
Solicitation closes 24 October 2016, TAD December 2016



# Upcoming Opportunities

- Summer Flyer Glove  
PGC 00526/02578/01656  
New Touch Technology as well as Traditional Summer Flyer  
Estimated Solicitation Issue Date: November 2016
- Otto Fuel Glove  
PGC 00561  
DNAD In Place  
Estimated Solicitation Issue Date: November 2016



# Points of Contact

## Acquisition Team

Lisa Marie Vivino,  
Procurement Branch Chief, x3088

Denise Vogelei, x3089  
Rafael Nazario-Vidal, x8613  
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## Technical Team

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Dulari Desai, x2416



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# Joint Advanced Planning Brief To Industry

20 Oct 2016

DOD Glove Industry Session  
(USAF GLOVES)



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Human Systems Division  
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# Aircrew Performance Branch Mission



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





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# Air Force Textile Items

## Current AF Gloves



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- **Gloves, Men's and Women's, Cloth, Dress White**
- **Gloves, Shells, Flyer's**
- **Gloves, Flyer's Summer, Type GS/FRP-2**
- **Gloves, Flyer's, Intermediate Cold, HAU-15/P**
- **Glove, Aircrew, Cold/Wet Protective, HAU-14/P**
- **Gloves, Combat Vehicle Crewman's Summer**
- **Gloves, Men's and Women's, Intermediate Cold/Wet, Foliage Grn**
- **Gloves, Women's**
- **Gloves, Men's and Women's, (Work)**
- **Gloves, Rubber, Autopsy**
- **Gloves, Rubber, Insulating**
- **Gloves, Surgical, Rubber**
- **Gloves, Rubber, Examination**
- **Gloves, Electrical Workers**
- **Leather Protectors**





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# Air Force Textile Items

## Current AF Gloves



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- **Glove's, Chemical and Oil Protective**
- **Gloves, Men's Cloth, Leather Palm, Knitted Wristlet, Size Med**
- **Gloves, Men's Cloth, Leather Palm with Gauntlet**
- **Gloves, Welders, Leather, Gauntlet**
- **Glove Insert, Radioactive Contaminant Protective**
- **Glove Shells, Radioactive Contaminant Protective**
- **Gloves, Welders, Leather Gauntlet**
- **Gloves, Leather, Gauntlet: Drummer's**
- **Gloves, Men's and Women's, Anti-Contact**
- **Gloves, Men's and Women's, Heavy Duty**
- **Gloves, Men's and Women's Light Duty**
- **Gloves, Cold Weather, Safety**
- **Glove Inserts (Cold Weather)**
- **Gloves Inserts, Cold Weather**
- **Gloves, Permeable**



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# Air Force Textile Items

## Current AF Gloves



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- **Gloves, Firefighting, Structural/Aluminized Proximity**
- **Gloves, Fire Fighters, Structural**
- **Gloves, Anti-Flash, Flame Resistant**
- **Glove's, Chemical and Oil Protective**
- **Gloves and Glove Set, Chemical Protective**
- **Gloves, Toxicological Agent Protective**
- **Gloves Heat Protective**
- **Gloves, Chipper S, Gauntlet**
- **Gloves, Wire, Mesh, Entire Hand**
- **Gloves, Barbed Tape-Wire Handlers**
- **Mitten Inserts (Gloves, Air Crew, Mitten Style, Leather, Type N-2)**
- **Mittens, Extreme Cold Weather, Survival, SRU-10/P**
- **Mitten, Set, Extreme Cold Weather,**
- **Mitten, Welders**
- **Mitten Inserts, Aircrew, Wool, Heavy, Type N-3B**



Photo: S. Hamilton





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# NAVAIR/ AF

## Next Glove Updates

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### Gloves, Flyer's, Intermediate Cold, HAU-15/P



### Glove, Aircrew, Cold/Wet Protective, HAU-14/P



# NAVAIR/ Air Force Improvement Efforts

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- **Gloves, Flyer, Summer (new PD 09-02)**

1. Types. The gloves are available in the following types:

Type I – Non-Touchscreen enabled

**Type II – Touchscreen enabled**

2. Classes. The gloves are available in the following classes:

Class 1 – Sage Green Cloth/Gray Leather (Type I Only)

Class 2 – Desert Tan Cloth/Tan Leather (Type II Only)

Class 3 – Black - Deleted

Class 4 – Coyote Cloth/Coyote Leather (Type II Only)

Class 5 – Sage Green Cloth/Sage Green Leather (Type II Only)



- **New FQ/PD 4672-16-01: Conductive, (Touchscreen) Leather, Sheepskin, Chrome Tanned**



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# NAVAIR/ AF

## Next Glove Updates

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## Glove, Aircrew, Cold/Wet Protective, HAU-14/P



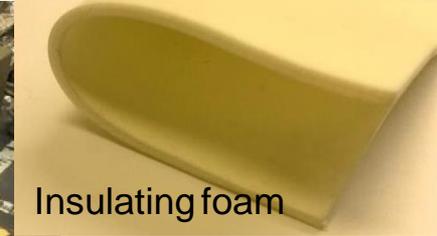
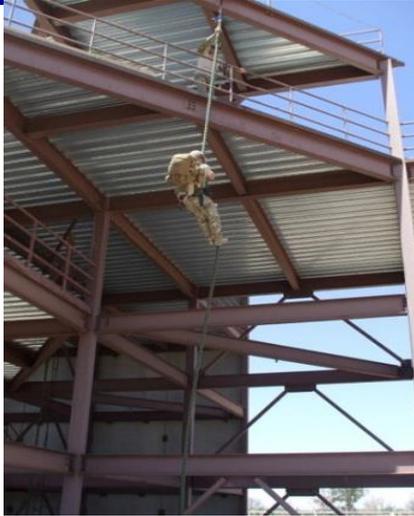
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# Improved Fast Rope Gloves for Thermal Management

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CHART CURRENT: As of 1 Jun 16



Laboratory evaluation of thermal management

## Description

Procure, develop, and evaluate improved fast rope gloves that enable similar fast roping performance with greater thermal management while maintaining dexterity.

## Delivering

PPE to improve warfighter safety and tactical capability.

## Technology Products

- **Develop insulating layer that is flexible and limits heat transfer**
- Determine trade-offs between 1 glove and 2 glove solutions
- Evaluate customized and commercial gloves on rope

## Benefits to the Warfighter

- Provide gloves that limit heat exposure from fast roping
- Provide gloves that do not hinder job performance

**Current TRL / TAD: TRL 2 / FY16**  
**Lead TD/POC: RX/Dr. C. M. Carney**



# AF Gloves Future Interest



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- **Heated Handwear (not a funded effort)**
  - May be the only way to achieve the Cold Weather Aviation System Objective requirement (6 hrs protection from frostbite at -49F)
  - **Batteries**
    - Either too heavy and bulky to provide enough power in extreme cold
    - Unreliable (die) in extreme cold
    - Fire hazard in aircraft
    - Logistical maintenance costs, storage, replacement





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# QUESTIONS?