



U.S. AIR FORCE

*AFLCMC... Providing the Warfighter's
Edge*



Joint Advanced Planning Brief to Industry


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Chief, Human Systems Division
AFPEO Agile Combat Support
28 Nov 2018**



Agenda



AFLCMC... Providing the Warfighter's Edge

-  ■ **Organizational Overview**
- **FY19 Goals**
- **Rapid Acquisition Strategies**
- **Continuous Product Improvements (CPIs)**
- **Summary**



Human Systems Division

AFLCMC/WNU

AFLCMC... Providing the Warfighter's Edge



Vision:

Save or improve Airmen's lives

Mission:

Acquire and support human systems to enhance warfighter performance, protection, and survivability



Every Airman...Every Aircraft...Every Day!



Agile Combat Support (ACS) Directorate



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Color Legend

WPAFB

Robins AFB

Heath OH

Aberdeen MD

Air Force Materiel Command (AFMC) ★★★★★

Air Force Life Cycle Management Center (AFLCMC) ★★★

Agile Combat Support Directorate (WN)
PEO/Director: Col Brady Hauboldt
Deputy Director: Col James Moore
Exec: Capt Montana Collie
937-904-2271



Automatic Test Systems

AFMETCAL

Simulators

Human Systems

Mr. Emilio Varcарcel
 937-938-3157
 Dep. Lt Col Elaine Bryant
 937-938-4320

Egress & Survival
 Lt Col Patrick Gillette
 937-938-4072

Aircrew Performance
 Mr. Lewis Johnson
 937-938-4073

Aeromedical
 Mr. Chris McCammant
 937-938-2737

AF Chem-Bio Defense
 Lt Col Bill Holl
 867-3209

Sustainment Branch
 Ms Paula Fleming
 478-222-7414

Electronic Warfare & Avionics

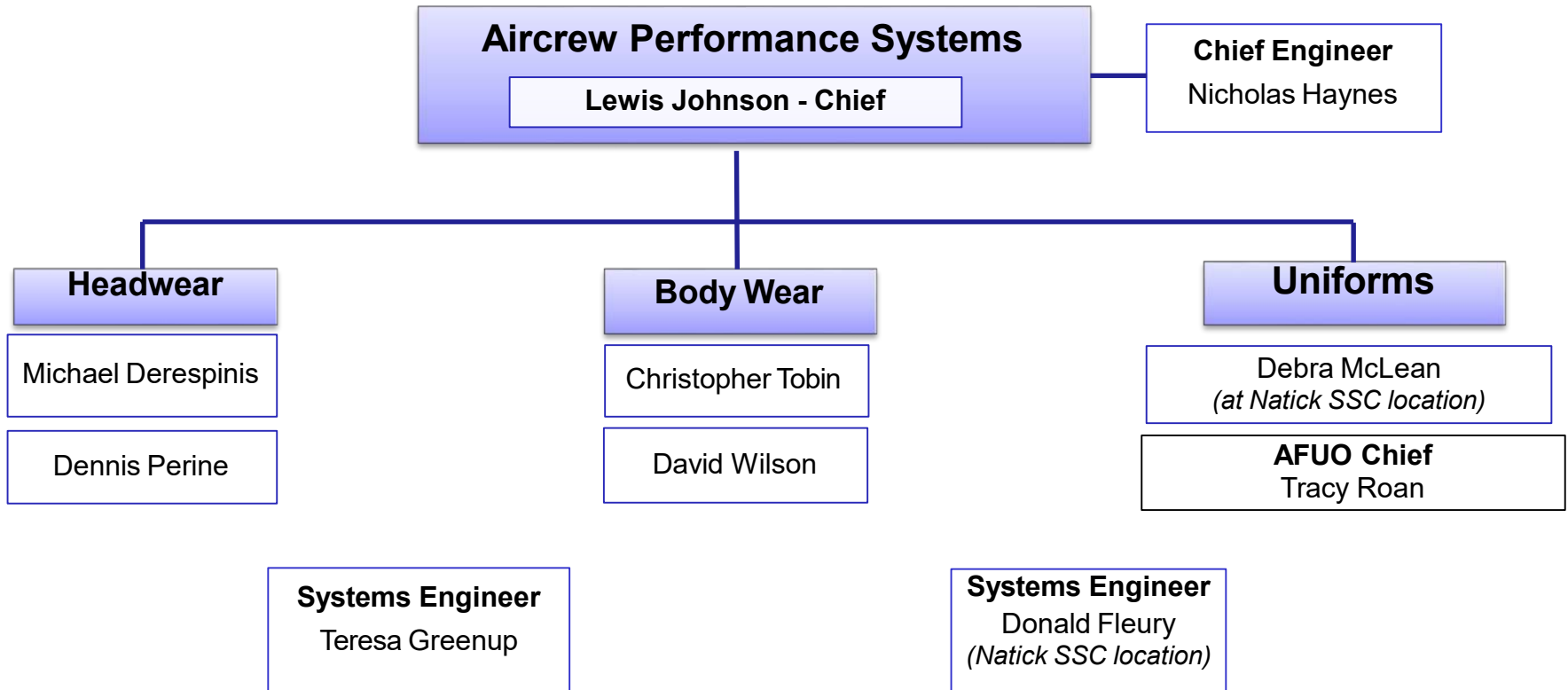
Support Equipment & Vehicles





Aircrew Performance Systems Branch

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Aircrew Performance Branch Mission



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



ALEP Block 2



Aircrew Performance Head Gear & Body Wear

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Aircrew Flight Equipment

Sustainment Managers (Robins AFB)

Head Gear

- Aircrew Ballistic Helmet
- Next Gen Fixed Wing Helmet
(HGU-55P replacement)
- Night Vision Helmet Mounted
Devices
- Aircrew Laser Protective
Eyewear
- Nuclear Flash Blindness
Protective Goggles

Body Wear

- Anti-G Suits
- Cold Weather Aviation System
- Integrated Aircrew Ensemble
- 2 Piece Flightsuit
- Aircrew Survival Vest
- Aircrew Anti-Exp Quickdon
Immersion Suit
- Aircrew Anti-Exp "Rotary Wing" Suit
- Aircrew Body Armor

Paula Fleming

Dave Wilson



Clothing & Textiles

Gloves/ Footwear

- AF Safe to Fly Glove List
- AF Safe to Fly Boot List
- DLA Supply: AF Footwear
- DLA Supply: AF Gloves
- Socks



Utility Uniforms

- Transition Airman Battle Uniform (ABU) to Army's OCP
- Maternity ABU
- Flight Suits
- Cold Weather Clothing
- Rain Gear
- Maintainers/Fuel Handlers
- Caps, Hats, Underlayers



Service Dress Uniforms

- Service Dress Trousers
- Service Dress Slacks
- Men's and Women's Shirts
- Neck Tab
- Ceremonial Uniforms



AF C&T Item Supply Managers (DLA-TS)

Taras Bylinsky

Jillian Durant

- Blankets
- Cloths
- Flags



AF Uniform Office Team



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AFUO Chief
Tracy Roan

Debra McLean
Domain Lead

Program Manager
1Lt Marshall Quebatay

Program Manager
Julia Ross

Design Lead
Katie Leahy

Design Lead
Debra Klensch

Design Lead
Stephanie Sanders

**Patterns/
Fabrication**

**Textile
Technologists**

Designers

**Configuration
Control**

**Administrative
Staff**

Julie Ratcliffe (Ctr)
Designer-Patterns

Danny Weng (Ctr)

Andrea Pardue (Ctr)

Audrey Crump (Ctr)
Configuration Manager

Matt Warner (Ctr)
Program Manager

Maggie Tanner (Ctr)
Designer-Patterns

Will Guthrie (Ctr)

Aaron Needles (Ctr)

Jeremy Dunn (Ctr)
Technical Writer

Kathy Williams (Ctr)
Administrative Asst

David Huckabee (Ctr)
Fabricator

Susanne Salcido (Ctr)



Aircrew Performance Branch

FY18 Accomplishments



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- **Executed funding:** Invested \$26.9M providing 29,000 assets to warfighters, an increase of 69% in 3080 funds and 18% in 3600 funds from FY17
 - **Aircrew Anti-Exp “Quickdon” suit:** Fielded 2,500 sets (\$4.3M)
 - **Aircrew Anti-Exp “Rotary Wing” Suit:** Ordered 1207 suits for rotary wing warfighters
 - **Integrated Aircrew Ensemble (IAE):** Procured IAE IOT&E Assets for \$3.1M
 - **Cold Weather Aviation System (CWAS):** Completed initial fielding of 2,400 units (\$1.35M)
 - **Night Vision Goggles (NVG):** Successfully fielded 1,300 tubes (\$4.4M) to CSAR community in support of an Urgent Operational Need (UON)
 - **Digital Eye Piece (DEP) Night Cueing System:** Equipped 2 deploying squadrons in 8 wks
 - **Survival Backpack:** Delivered 4,000 backpacks (\$2.2M) in under 6 mo. from initial requirement
 - **Initiated transition from ABU to Army’s OCP:** Transition started Oct 2018
 - **Honor Guard Heritage Coat:** Phase 2 procured historically inspired Honor Guard coats for 6 AF base level Honor Guards





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Human Systems Division FY19 Goals

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■ Deliver to Commitments

■ Implement Rapid Acquisition Strategies

■ Exploit new congressional authorities

- Sec 804
- Other Transaction Authority (OTA) agreements
- DIU & AFWERx

■ Expand Use of “Try-Decide-Buy”

■ Utilize COTS items

USD (AT&L): “Align to Commercial Best Practices: Enforce the mindset that “Industry is the Innovator” in the business systems product market and the need to customize COTS products should be minimized as much as possible.”

■ Increase collaboration across Services



Aircrew Performance Branch FY18 Cross-Service Collaboration



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- **New Air Force Wool Coat:** Modified existing Navy Bridgecoat
- **Service Dress Shirts:** Coast Guard also using the same shirt; tested Army's herringbone material in redesign
- **MABU:** Provided patterns, fabric, and size grades to Army for OCP incorporation
- **Cold Weather Aviation Boots:** Shared test assets, data, & specifications with Army
- **Flyer's Coverall Material:** Joint study with NAVAIR, shared costs, analyzing data
- **Aircrew Survival Vest & Holster:** Modified current Army/Navy and fabric
- **CW Aviation System:** Utilized Navy's FR underlayers and Army's FREE EWOL
- **Rotary Wing Anti-Exposure Suit:** Approved from Army/Navy COTS testing
- **Quick Don Anti-Exposure Suit:** Implementing Coast Guard's COTS solution
- **Touch Screen Flyer Gloves:** Joint effort with NAVAIR, shared costs
- **Aircrew Body Armor:** Utilizing Army's Lightweight Air Warrior System
- **Cross-Service Gloves Working Group**
- **Cross-Service Coverall Working Group**



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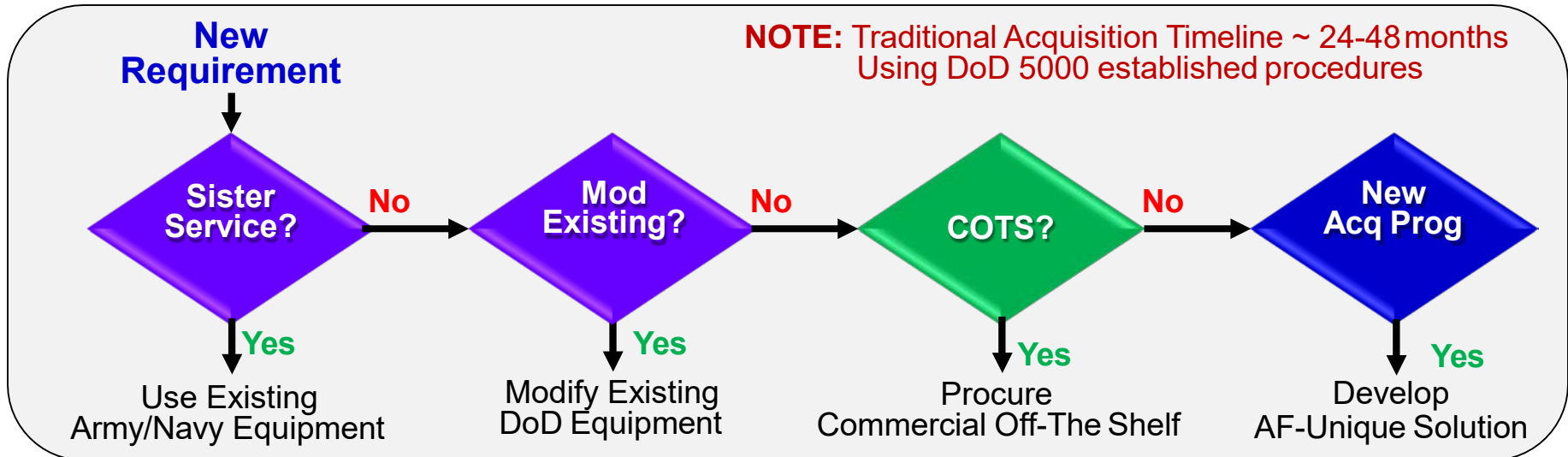
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Expedited Acquisition Procurement Decision Tree

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NOTE: Traditional Acquisition Timeline ~ 24-48 months
Using DoD 5000 established procedures



Acquisition Strategy Used:	Ordered from DLA, adding retention straps in-house, updated AF TOs	Try-Decide-Buy (TDB)	Other Transaction Authority (OTA) via AFWERx
Obtained excess rafts from Navy, updated AF TOs			

Rapid Acquisition Timeline:	Exploit use of Try-Decide-Buy, OTAs, Sec 804 Authorities, DIUx, AFWERx		
2 Months	2-10 Months	4-10 Months	6-16 Months

Real Life Examples:

			
Using Navy's Single-Person Life Raft on our T-6	Modified Army's holster for our aircrews	Aircrew Survival Backpack replaces survival vests on non-ejection a/c	Next Generation Fixed Wing Helmet

Goal: Rapid acquisition of equipment



“Try-Decide-Buy”

Multiple Award IDIQ Contract

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Formerly “Agile Acquisition for Aircrew Systems and Support”

This broad scope IDIQ will allow for the rapid competition and execution of delivery orders serving the needs of the Aircrew Flight Equipment (AFE) career field.

The contract also allows Aircrew Performance Branch to retain the majority of funding within AFLCMC for the next 5 years.

Posted Date:
October 5, 2017

Response Date:
Nov 09, 2017 12:00 pm Eastern

Original Synopsis
Oct 05, 2017
3:17 pm

Return To Opportunities List | Watch This Opportunity
Add Me To Interested Vendors

ALL FILES
Request for Information
Oct 05, 2017
Agile Acquisition_R...
Agile Acquisition_Re...

Requirements include any item required by the ordering activity for Aircrew Flight Equipment operations that is managed by or authorized for procurement by Aircrew Performance Branch. The equipment covered consists of commercial off the shelf items (COTS) and commercially modified items (commercial items requiring minor modification to fit military applications). In general, the scope includes operational equipment and related supplies and incidental services, including but not limited to:

Uniforms, Cold Weather Clothing Systems, Visual Augmentation Equipment.



Try Decide Buy Scope & Process

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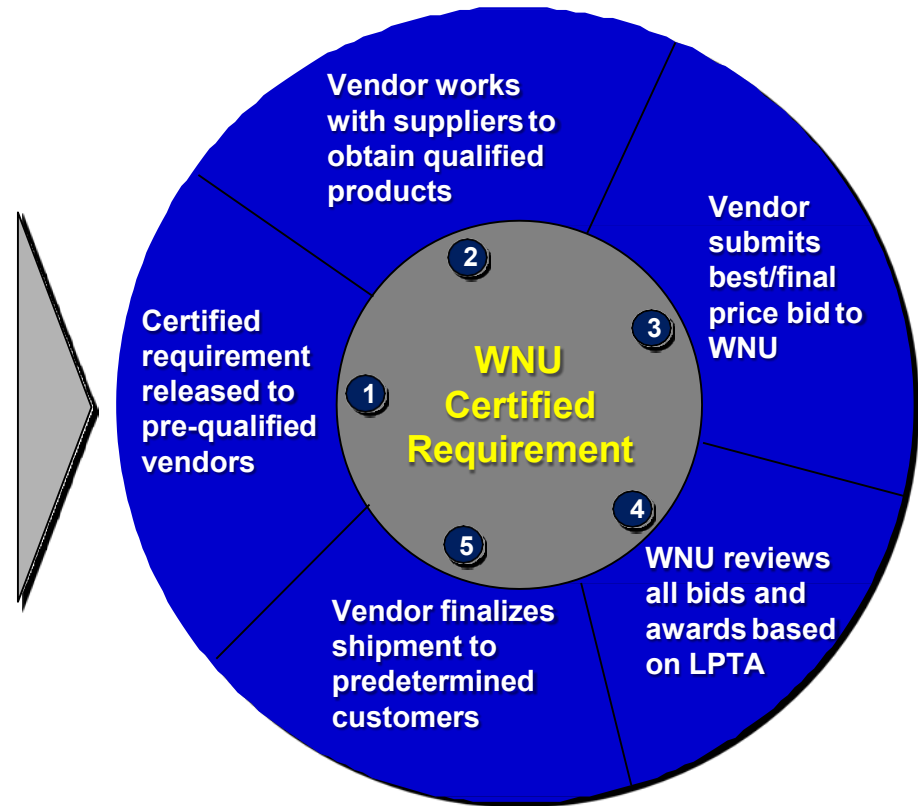


What...

- Any item required by the ordering activity for Aircrew Flight Equipment operations that is managed by or authorized for procurement by Aircrew Performance Branch.
- The equipment covered consists of commercial off the shelf items (COTS) and commercially modified items (commercial items requiring minor modification to fit military applications).
- In general, the scope includes operational equipment and related supplies and incidental services, including but not limited to:

Uniforms, Cold Weather Clothing Systems, Visual Augmentation Equipment, Personal Protective Equipment, Helmets, Body Armor, Tactical Carriers, Individual Equipment, Lighting, Survival Equipment, Air Crew Support Equipment, Communication Equipment, Tactical Equipment, Load Bearing Equipment, Lethality Support Items, Boots, Gloves, Eye Protection, Egress Equipment, Aerial Insertion Equipment, Search & Rescue Equipment, Personnel Recovery Equipment, Medical Equipment, Power Management, Hydration, Electronics Test Equipment, Ancillary Services and Testing

How...





Allows AFLCMC/WNU to...



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Shorten Acquisition Timeline

*Consolidate all
"Try-Buy-Fly" efforts
into one pipeline*

*Acquire desired
equipment at a
competitive price*

*Retain funding
within the USAF*

*Reduce external
contracting fees*

*Centralize oversight for
all parties involved*

*Support for large
and small
requirements*

*Include ancillary
services and testing*

Adhere to FAR clauses

*Field latest COTS technology
before it is obsolete*



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Continuous Product Improvements (CPI)

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Current CPI

1. Women's Service Dress Shirts
 - a) Tuck-in Shirt
 - b) Overblouse Shirt
2. Women's Neck Tab
3. Men's Service Dress Shirt
4. Men's Service Dress Trousers
5. Women's Service Dress Slack
6. Maternity Service Dress Shirt

Future CPI

1. Lightweight Blue Jacket
2. Women's Service Dress Skirt
3. Maternity Service Dress Jumper
4. Maternity Service Dress Slacks
5. Maternity Service Dress Skirt
6. Physical Training Uniform
7. Mess Dress Slacks



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Contact List



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AFLCMC... Providing the Warfighter's Edge

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Summary



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- **Keeping Commitments**
- **Fast execution!**
- **Focus on COTS with intent to employ quickly**
- **Leveraging other Services' efforts**
- **Continue to Save or Improve Airmen's Lives**



Questions?



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