



# **Operational Training and Infrastructure**

**Lt Col Drew Frazier**

**AFLCMC/WNSO**

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**11 August 2021**

Disclaimer: The information provided herein represents the Government's best understanding of the procurement as of the presentation date. This information should be considered preliminary and subject to change.

# Operational Training Infrastructure

**AFLCMC/WNSO**

**Materiel Leader: Lt Col Andrew Frazier**

**Functional Support**

**Branch LG Chief**

Christal Green

**Branch PK Chief**

Shane Hemmerich

**Branch FM Chief**

Steve Heyl

**Functional Support**

**Branch EN Chief**

Mike Baker

**Branch Cyber Chief**

Jacob Miracle

**Branch Security Chief**

Mike Mills

**Distributed Training Systems**

Lt Col Ross "Bert" Uhler

**SCARS**

Mike Burns

**Enterprise Development**

Vacant

**CAF DMO** – Katie Urse

**MAF DMO** – Capt Sean Conway

**ANG OTS** – David Henz

**LVC** – Lt Col Ross Uhler

**VTTC** – Capt Christine Jestice

**XCITE/NGTS Merger** – Vacant

**Cybersecurity** – Gary Coe

**MITL** – Gabe Myers

**Innovation Cell** – Margaret Merkle

# UPCOMING COMPETITIVE ACQUISITIONS



- KEY
- Full and Open
- TSA III
- Undecided

Jan 22 Man in the Loop - Jun 22

Oct 21 – MAF DMO - Apr 22





# **MOBILITY AIR FORCE DISTRIBUTED MISSION OPERATIONS**

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**11 August 2021**

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# MOBILITY AIR FORCE DISTRIBUTED MISSION OPERATIONS



## Program Requirements

**Principal Mission:** Train in a secure, realistic Networked Environment while reducing risk and operating cost.

**The MAF DMO Contract includes:** Program Management, Operations and Sustainability (DTCN Event Support, Planning/Executing MAF Mission Profiles, DTC Helpdesk Support, Documentation, and Analysis), Interoperability (Standards Development, Test Planning, System Problem Reporting, Configuration Control, and Connectivity with External Networks), Cybersecurity and Security Support, Integration and Test (Certification and Acceptance Testing), Update/Maintain Test and Analytic Tools Capability, Host Code Analysis & On-Site Code Reviews, Website Support, and Logistics Management.

<p><b>ACQUISITION STRATEGY</b></p> <p>Competitive Fair Opportunity Selection using TSA III (FAR 16)</p>	<p><b>PERIOD OF PERFORMANCE</b></p> <p>Anticipate 5-6 year Period of Performance</p>	<p><b>MILESTONES</b></p> <table border="0"> <tr> <td>RFI</td> <td>RFP/FOPR</td> <td>Award</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td>Aug 20</td> <td>Oct 21</td> <td>Apr 22</td> </tr> </table>	RFI	RFP/FOPR	Award				Aug 20	Oct 21	Apr 22
RFI	RFP/FOPR	Award									
Aug 20	Oct 21	Apr 22									
<p><b>POINT OF CONTACT</b></p> <p><b>Organization:</b> AFLCMC/WNS</p> <p><b>Name:</b> Capt Sean Conway</p> <p><b>Email:</b> sean.conway.5@us.af.mil</p>	<p><b>FUNDING</b></p> <p>\$30M/year FFP</p>	<p><b>CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)</b></p> <p>Northrop Grumman</p>									

# Mobility Air Force Distributed Mission Operations



**Vision:** Enhance Global Reach through a network of live. Virtual, and constructive (LVC) training capabilities

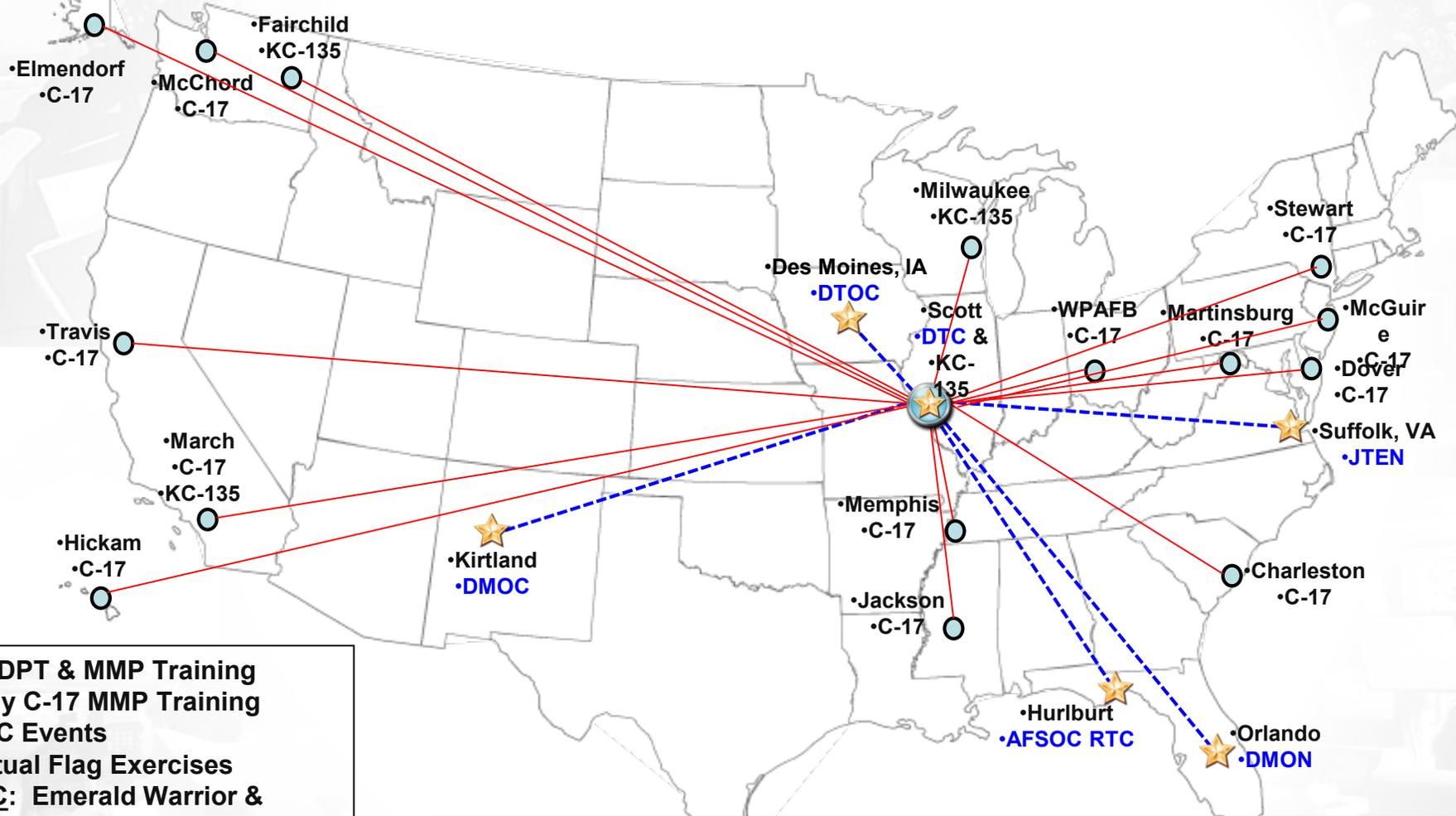


**Major Customers:** AMC, ACC, AFRC, ANG  
**Future:** AFSOC, AFGSC

# MAF DMO Scope

- Operations (CONOPS Fulfillment)
  - Provide White Force support for exercises and DMO events, as well as organize scenarios for operator training
- Integration and Test
  - Test new assets joining MAF DMO network and integrate
- High Fidelity Distributed Training
  - Resolve System Problem Reports impacting distributed training
- Network Support
  - Engineering, logistics, cybersecurity, and program management to meet user availability requirements
- Standards Development
  - Analyze and generate standards to guide enclave improvement to support increasing and varied user requirements

# Locations



- **MAF DTC:** DPT & MMP Training
- **DTOC:** Daily C-17 MMP Training
- **JTEN:** JRTC Events
- **DMOC:** Virtual Flag Exercises
- **AFSOC RTC:** Emerald Warrior & AFSOC Exercises
- **DMON:** CAF LFEs

Future Site Connections		
Location	MDS	Date
Lackland	C-5	2Q/FY22
Grissom	KC-135	2Q/FY22
Pittsburgh	C-17	3Q/FY22
Mildenhall	KC-135	3Q/FY22
Charlotte	C-17	4Q/FY22
Rickenbaker	KC-135	4Q/FY22
Pittsburgh	KC-135	4Q/FY22
Westover	C-5	1Q/FY23
MacDill	KC-135	1Q/FY23
Hickam	KC-135	1Q/FY23
Dover	C-5	2Q/FY23
Kadena	KC-135	2Q/FY23
Ramstein	C-130J	3Q/FY23
Travis	C-5	3Q/FY23
McConnell	KC-46	3Q/FY23
Pease	KC-46	4Q/FY23
Yokota	C-130J	1Q/FY24
Seymour Johnson	KC-46	1Q/FY24
McGuire	KC-46	1Q/FY24
Travis	KC-46	2Q/FY24

•17 ATS sites & 5 External Network Connections

# Proposed Schedule for Follow-On Effort



FISCAL YEAR	FY 2021				FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028			
QUARTER	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
CONTRACT EVENTS	ESIS ▲				ASP ▲				FOPR ▲				OY2 ▲				OY3 ▲				OY4 ▲				OY5 ▲				End ▲			
	TSA III Sole Source				Task Order Extension (Northrop Grumman)				Transition				Transition																			
					CA Start ← Base Period → OY1																											
	FAR Part-16 Follow-on Contract																															

UPDATED: 26 Jul 21

- MAF DMO Follow-on is being competed under TSA-III
- Virtual Industry Day: Late August
- FOPR Release: October 2021
- Est Contract Award: April 2022
- Industry will obtain updates from the program office via TSA III

# Overall Requirements

Program	Hardware Buy	CLS	TSSC	Modifications	Courseware Development	Instruction
MAF DMO	X			X		

# Points of Contact

Program	PM	Contracts	End User
<b>MAF DMO</b>	<b>Capt Sean Conway</b>	<b>Kevin Losie</b>	<b>Sean Carey</b>
Office	AFLCMC/WNS	AFLCMC/WNSK	AMC/A3T
Phone	937-656-8164	937-656-6828	618-229-3592
Email	Sean.conway.5@us.af.mil	Kevin.losie@us.af.mil	Sean.carey.2@us.af.mil



# Questions?



# Man in the Loop (MITL)

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**AFLCMC/WNS**

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**11 August 2021**

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# MAN IN THE LOOP (MITL)



## Program Requirements

Man in the Loop (MITL) stations will be used to provide manned threat decision making, as well as High End Advanced Tactics and Training (HEAT2) capabilities over the DMON and NMON in the Virtual Test Training Center at Nellis AFB, NV. First systems installed in Q1 FY22. MITL is a government developed and owned system, procured through the Naval Air Warfare Center's Aircraft Division (NAWCAD).

WNS will be contracting for maintenance, cybersecurity, and logistics support

•Cybersecurity Risk Management Framework (RMF) requirements will apply.

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES
<p>Competitive Fair Opportunity Selection using TSA III (FAR 16)</p>	<p>4 year POP (through end of TSA III) End Date: 31 Aug 2026</p>	<ul style="list-style-type: none"> <li style="text-align: center;"> <p>•Draft FOPR</p>  <p>•Sep 21</p> </li> <li style="text-align: center;"> <p>•FOPR</p>  <p>•Jan 22</p> </li> <li style="text-align: center;"> <p>•Award</p>  <p>•Jun 22</p> </li> </ul>
POINT OF CONTACT	FUNDING	CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)
<p><b>Organization:</b> AFLCMC/WNS</p> <p><b>Name:</b> Gabriel Myers</p> <p><b>Email:</b> gabriel.myers.3@us.af.mil</p>	<p>\$ TBD</p> <p>Firm-Fixed-Price Contract</p>	<p>Procurement via NAWCAD (U.S. Navy)</p>

# MAN IN THE LOOP (MITL)

- Purpose: Provide High-fidelity Man-in-the-Loop (MITL) stations to deliver aggressor capability in support of High-End Advanced Tactics and Training (HEAT2)
- CLS Scope of Effort:
  - Multi-level Security operation - Periods Processing from S/SAR to TS/SCI/SAR, and vice-versa
  - Scheduled / unscheduled maintenance, tech refreshes, and root cause analysis to resolve issues
  - Daily operational checks and cybersecurity support
- Location: Virtual Test Training Center (VTTC) - Nellis AFB, NV
- Customers and Users:
  - ACC/A5TN, Test and Training Division
  - 31 Combat Training Squadron (CTS)
- System Installation Timeline (NAWCAD):
  - 4-ship: Q1 FY22
  - 4-ship: Q3 FY22
  - DMON Connectivity: Q1 FY23

# MITL

## Points of Contact

Program	PM	Contracts
MITL	Mr. Gabriel Myers	Jeremy Perry
Office	AFLCMC/WNS	AFLCMC/WNSK
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# Questions?