



# JIFX 23-2 Experiment Coordination Calls

Event Dates: 6 – 10 February 2023

# Call Agenda – Call #1

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JIFX Team

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Event Overview

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Registration & Gate Access

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Logistics

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Future Meetings

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Q&A

# Call Agenda – Call #2

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Event Information

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Event Safety

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Airspace Safety

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Event Network

# Call Agenda – Call #3

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Event Schedule & Final Logistics

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Experiment Introductions

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Q&A

**Dr. Mike Richardson**, JIFX Director

**Ashley Hobson**, Event Operations

**Jonathan Coon**, Data Management

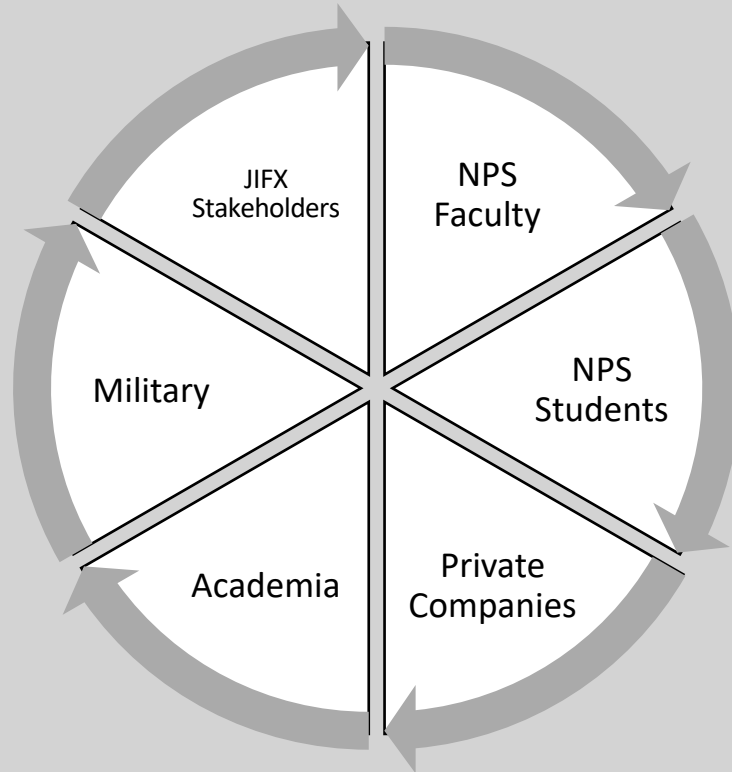
**Aurelio Monarrez**, Air Operations

**Joseph Lukefahr**, Tech & Network Management

**Dirk Hale**, Camp Roberts Facilities

# JIFX Team

# WHAT IS JIFX?



## Mission Statement:

The JIFX team leads experimentation in alternative methods to enable rapid technological development by cultivating a community of interest and hosting broadly scoped quarterly collaborative field events which enable DoD, US government, and allied stakeholders to identify, influence, and accelerate early-stage technology development that address national and collective security challenges.










JIFX is an **experiment** on the methods to enable **rapid technological development**.

JIFX provides researchers a turn-key solution for **safe, secure, legal, and collaborative** experimentation

# What JIFX isn't:

- Tradeshow
- Conference
- Sales Event
- Demonstration
- Lectures
- Presentation
- Acquisition Event



and Illustrate Your Own Stories	Rachel Winterberg	
ancing through STEAM	Elizabeth Peterson	
onia - More than Just a Gallery!	Donna Staten	
<b>11:00AM BRAIN BREAK #1</b>		
terns in Music, Dance and Mathematics	Marcia Daft	
Exploring the Creative Process with Dance	Deirdre Moore	
Experimenting with Color	Beth Elliston	
<b>Partner Showcase: Art to Remember</b>		
<b>Partner Showcase: Buncee</b>		
<b>12:35PM BRAIN BREAK #2</b>		
Building an Arts Magnet School	Bobby Riley & Judy Kilma	
Put on Your Math Goggles: Seeing Math in Art	Robin Ward	
PM Design Brain-Friendly Learning Spaces	Erin Klein	
<b>1:50PM BRAIN BREAK #3</b>		

**BIG SALE**

# FUNDAMENTAL TENETS



AUSTERE BY  
DESIGN



COLLABORATION  
IS EXPECTED



BOUNDED, NOT  
CONTROLLED



DEVELOP NOW!



FAILURE =  
LEARNING



INCLUSIVE



# Event Location

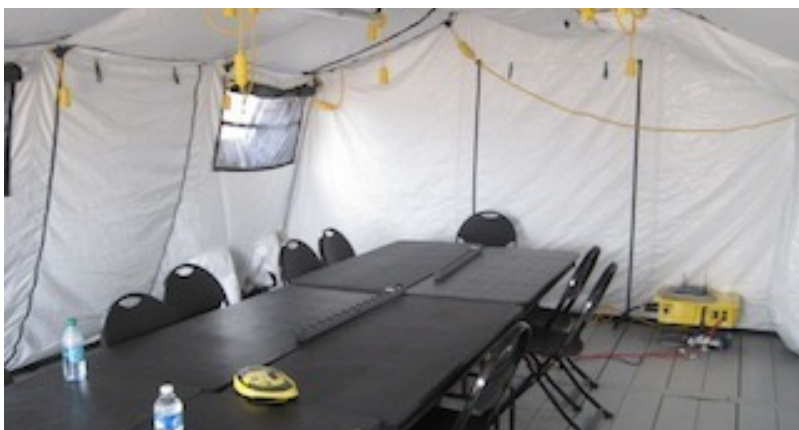
6 – 10 February 2023

McMillan Airfield at Camp Roberts

Closest Town: Paso Robles, Atascadero, San Luis Obispo

Closest Airports: San Luis Obispo (45m), Monterey (1h30m),  
Bakersfield (2h), San Jose (2h15m), SF (2h40m)





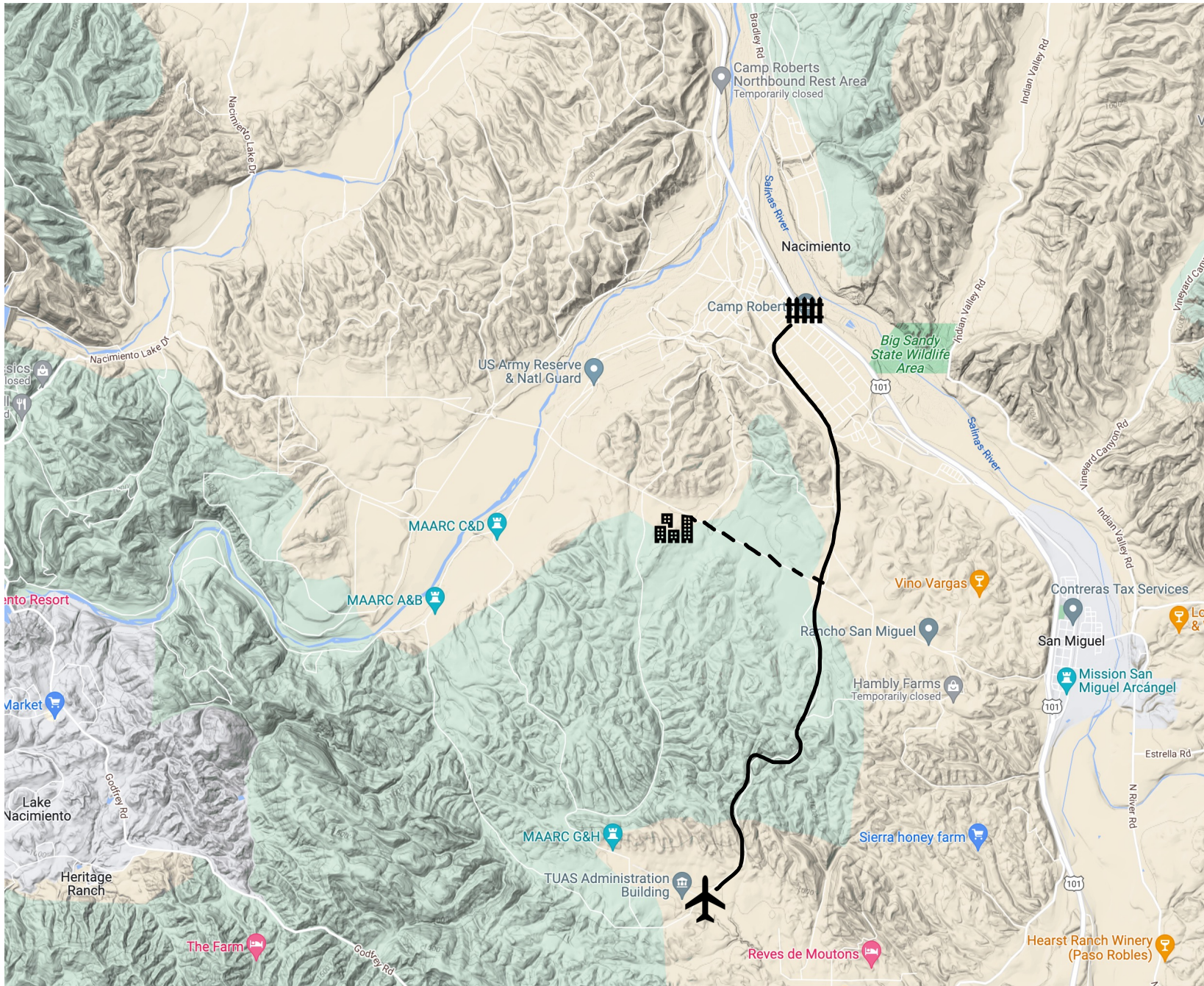
# Camp Roberts Facilities: McMillan Airfield

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## Camp Roberts Facilities: Combined Arms Collective Training Facility (CACTF)

26-acre full-scale urban operations training facility including a mock church, police station with underground jail, three-story hotel, businesses, residential buildings, underground tunnels, and a rubble pile.



# McMillan Airfield

Runway

Vehicle Barn

SIP  
Hut

Briefing  
Trailer

Hangar

TOC

Registration

Restrooms

E Perimeter Rd

Parking





# Experimenters

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AlumaPower Corporation

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Bailout Systems

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Avalon Holographics

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Trellix ( formerly McAfee + FireEye )

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Yotta Navigation

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Navio International, Inc.

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Skyline

---

The MITRE Corporation

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GreenSight Agronomics, Inc.

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M4 Engineering, Inc.

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Beamlink

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Skyline Soft

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SlateSafety

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neuroFit

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TurbineOne

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Gantz-Mountain Intelligence Automation

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Premise Data

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Quantum Shield

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Rhoman Aerospace

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Rhoman Aerospace

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Image Insight Inc

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Airrow inc.

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Firestorm Labs

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Innovative Algorithms

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TB2 Aerospace

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Vaisala Inc.

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Air Company

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Image Insight Inc

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IAI North America

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USSOCOM - PEO-C4

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University of Arizona

---

TurbineOne

---

Celbridge Science LLC

---

ARONETICS

---

DropDrone

---

Booz Allen Hamilton

---

Kenzen

---

AT&T

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Naval Postgraduate School

# Observers

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Air Force Special Operations Command

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National Oceanic and Atmospheric Administration (NOAA)

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Naval Special Warfare Command (WARCOM)

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Office of Naval Research, Rapid Reaction Technology Office

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US Central Command (USCENTCOM)

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US Special Operations Command (USSOCOM)

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US Transportation Command (USTRANSCOM)

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US Strategic Command (USSTRATCOM)

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DHS Customs and Border Protection

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Defense Threat Reduction Agency (DTRA)

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Joint Intermediate Force Capabilities Office (JIFCO)

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National Maritime Intelligence-Integration Office

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Naval Information Warfare Center Pacific

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Naval Surface Warfare Centers

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US Army Futures Command

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US Army Combat Capabilities Development Command

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Air Force Research Lab

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Defense Innovation Unit

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Department of Energy

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Naval Facilities Engineering and Expeditionary Warfare Centers

# Event Schedule

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**Monday:** 0900 Venue/Registration Opens

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**1000 Event Kick-Off Brief\***

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Frequency Verifications

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Experimentation

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1630 Evening Brief\*

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**Tuesday:** 0730 Venue/Registration Opens

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0800 Morning Brief\*

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0830 Flyers Meeting

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Experimentation

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1630 Evening Brief\*

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**Wed.** 0730 Venue/Registration Opens

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0800 Morning Brief\*

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0830 Flyers Meeting

---

Experimentation

---

1630 Evening Brief\*

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**Thurs.** 0730 Venue/Registration Opens

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0800 Morning Brief\*

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0830 Flyers Meeting

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Experimentation

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1200 Event Closing Brief\*

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Experimentation

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**Fri.** Clean-up (As Needed)

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\*All Briefs will be broadcast for virtual participation.



# Event Website

[www.nps.edu/fx](http://www.nps.edu/fx) > Click “Upcoming JIFX”

- Shipping Addresses
- Cursor on Target information
- Camp Roberts ROZ Files
- Flyer Information: Airspace Control Plan
- And more!

# Registration & Gate Access

- Registration is required for all participants
  - [www.nps.edu/web/fx/register](http://www.nps.edu/web/fx/register)
  - Be sure to scroll all the way through the safety brief!
- Non-US Citizens must register by 10/28/2022

# Shipping

## **Parcel Service (Individual packages, less than 150 lbs)**

NPS Field Laboratory - McMillan Airfield

Attn: (\*Your Company / Your Name\*)

Bldg 914, Shipping & Receiving

Camp Roberts, CA 93451-5000

Ph 805-227-1314

## **Directly to the Airfield: Freight**

NPS Field Laboratory - McMillan Airfield

Attn: (\*Your Company / Your Name\*)

McMillan Airfield, East Perimeter Rd

Camp Roberts, CA 93451-5000

Ph 805-227-1314

Addresses are posted on the website!

[www.nps.edu/fx](http://www.nps.edu/fx)

# Event Safety



- **Emergency Services are 30-45 minutes away**
- Lots of wildlife, big and small.
- Dry, desert heat. Cold nights, warm days.
- Fire safety is a major concern.
- Emergency Phone Numbers will be on the back of all participant name badges.
- Food options are limited.

# Airspace Safety



[www.nps.edu/fx](http://www.nps.edu/fx)

- Airspace Control Plan (ACP)
- Pre-Mishap Plan (PMP)

# Airspace Control Plan (ACP)

This **Airspace Control Plan (ACP)** outlines airspace procedures for NPS activities aboard Camp Roberts CA ARNG base and within Restricted Area R-2504A/B. The ACP is directive for all NPS JIFX event participants.

**Airspace Boundaries and Buffers must be displayed on GCS**

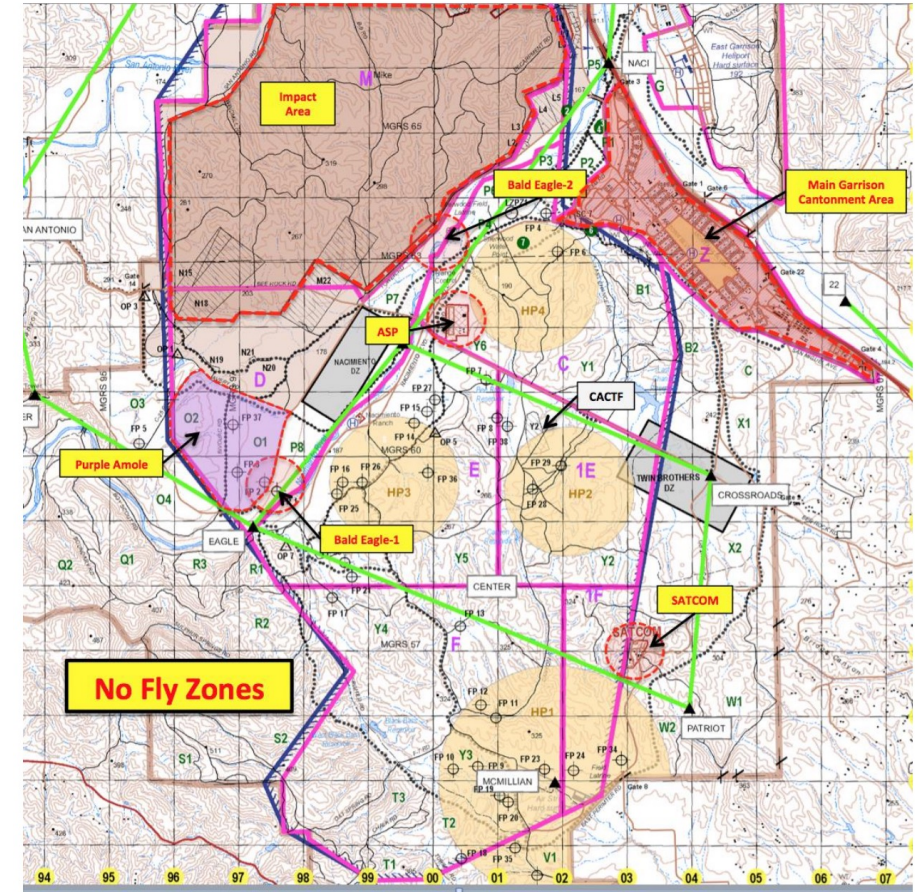


Figure 3: Camp Roberts Restricted Operating Zones (A-F, M, Z), No Fly Zones, and Holding Points within the R-2504

# Pre-Mishap Plan

The PMP established procedures that will assist personnel immediately following a mishap

*“In case of a mishap, or any unintended impact with the ground or another vehicle, the flying unit will immediately notify the Air Boss via Radio or phone.”*

# Air Operations



Range Flag

No flight operations are permitted unless the RED RANGE FLAG is flying. The airspace is considered “HOT” when the flag is raised.

- All UAVs and Frequency Emitting devices must be verified by JVAB prior to flight approval. Expect to complete this on Monday of JIFX week.
- An “Airboss” will manage all UAVS and always maintain safety in the airspace.
  - **Prior to radiating – you need airboss approval!**
  - **Prior to take-off – you need airboss approval!**
  - **Prior to landing – you need airboss approval!**
- All airboss communication will be down over the JIFX radio network.
- All event participants (on foot or on vehicle) must remain clear of the active runway and at all times unless first cleared by the Air Boss.



# JIFX Networks



## Communications

**Local IP networking (Ethernet,  
WiFi)**

- McMillan Airfield
- CACTF
- SLAMR

**Limited Internet connectivity**

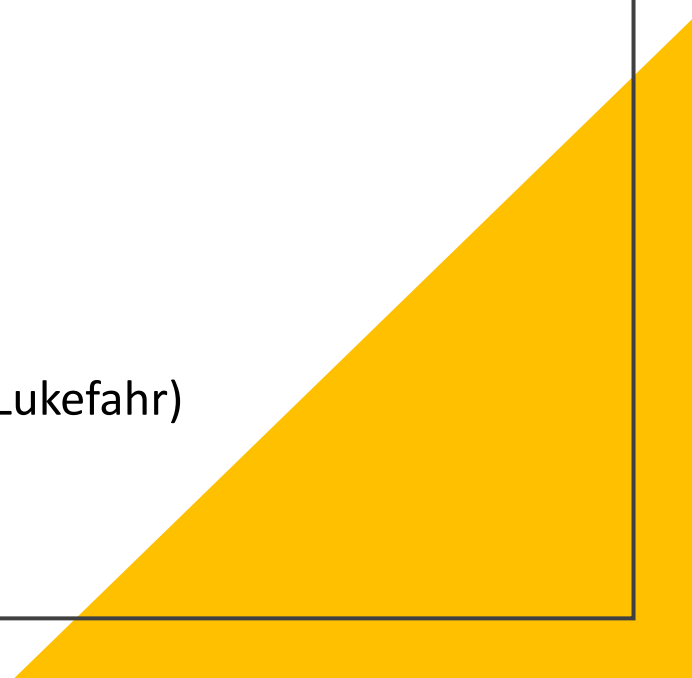


## Information Technology (Camp Roberts)

**Printing @ McMillan Airfield  
Tactical Assault Kit (TAK)**

**Cursor-on-Target  
debugging/routing**

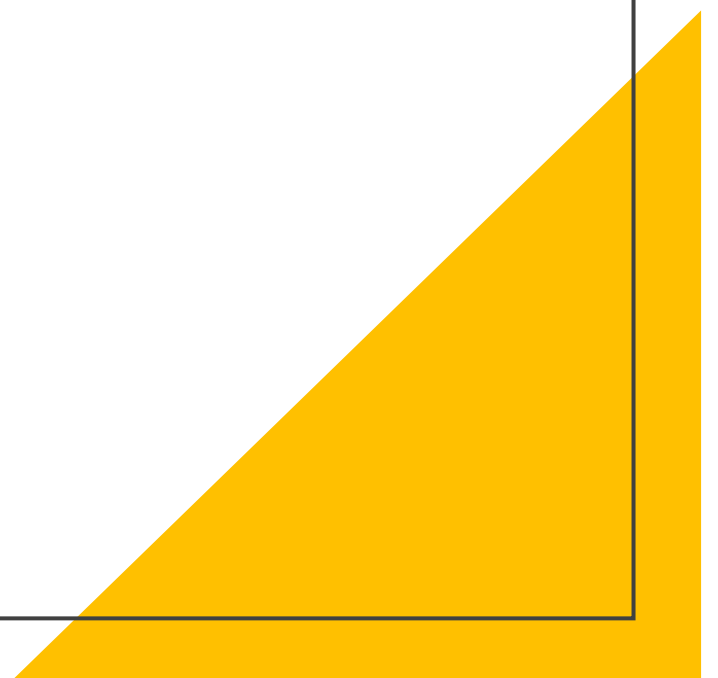
# Before You Connect...

- JIFX network is intended for:
    - Event administration
    - Rapid collaboration & integration
  - Acceptable use:
    - Respect others' operations, privacy, security
    - No malicious activity
  - Consult your organization's IT & security policies before connecting
  - Coordinate with network manager before connecting systems (Joseph Lukefahr)
- 
- A large yellow triangle is positioned in the bottom right corner of the slide, pointing towards the top right.

# Next Week: Experiment Introductions

- Introduction of Experiment
- How can you support other experiments?
- How can other experiments integrate with you?
- Share contact info in the chat

1-2 minutes each





Questions?

[fx@nps.edu](mailto:fx@nps.edu)

831-402-9333