JIFX 23-2
Experiment Coordination Calls
Event Dates: 6 – 10 February 2023
Call Agenda – Call #1

<table>
<thead>
<tr>
<th>JIFX Team</th>
</tr>
</thead>
<tbody>
<tr>
<td>Event Overview</td>
</tr>
<tr>
<td>Registration &amp; Gate Access</td>
</tr>
<tr>
<td>Logistics</td>
</tr>
<tr>
<td>Future Meetings</td>
</tr>
<tr>
<td>Q&amp;A</td>
</tr>
</tbody>
</table>
Call Agenda – Call #2

Event Information

Event Safety

Airspace Safety

Event Network
Call Agenda – Call #3

Event Schedule & Final Logistics

Experiment Introductions

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
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
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
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.
### Experimenters

- AlumaPower Corporation
- Bailout Systems
- Avalon Holographics
- Trellix (formerly McAfee + FireEye)
- Yotta Navigation
- Navio International, Inc.
- Skyline
- The MITRE Corporation
- GreenSight Agronomics, Inc.
- M4 Engineering, Inc.
- Beamlink
- Skyline Soft
- SlateSafety
- neuroFit
- TurbineOne
- Gantz-Mountain Intelligence Automation
- Premise Data
- Quantum Shield
- Rhoman Aerospace

### Observers

- Air Force Special Operations Command
- National Oceanic and Atmospheric Administration (NOAA)
- Naval Special Warfare Command (WARCOM)
- Office of Naval Research, Rapid Reaction Technology Office
- US Central Command (USCENTCOM)
- US Special Operations Command (USSOCOM)
- US Transportation Command (USTRANSCOM)
- US Strategic Command (USSTRATCOM)
- DHS Customs and Border Protection
- Defense Threat Reduction Agency (DTRA)
- Joint Intermediate Force Capabilities Office (JIFCO)
- National Maritime Intelligence-Integration Office
- Naval Information Warfare Center Pacific
- Naval Surface Warfare Centers
- US Army Futures Command
- US Army Combat Capabilities Development Command
- Air Force Research Lab
- Defense Innovation Unit
- Department of Energy
- Naval Facilities Engineering and Expeditionary Warfare Centers
### Event Schedule

<table>
<thead>
<tr>
<th>Monday</th>
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<tbody>
<tr>
<td>0900</td>
<td>Venue/Registration Opens</td>
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<tr>
<td>1000</td>
<td>Event Kick-Off Brief*</td>
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<td>Frequency Verifications</td>
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<td>Experimentation</td>
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<td>Evening Brief*</td>
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<td>Venue/Registration Opens</td>
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<tr>
<td>0800</td>
<td>Morning Brief*</td>
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<tr>
<td>0830</td>
<td>Flyers Meeting</td>
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<td>0830</td>
<td>Flyers Meeting</td>
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<td>Experimentation</td>
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<tr>
<td>1200</td>
<td>Event Closing Brief*</td>
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<tr>
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<td>Experimentation</td>
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<td>Clean-up (As Needed)</td>
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*All Briefs will be broadcast for virtual participation.
Event Website

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
  • 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
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

- 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.”
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)
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