



JIFX 22-1
Experiment
Coordination Call

20 October 2021

Call Agenda

JIFX Team

Event Schedule

Shipping Instructions

Event Network

JVAB Overview

COPERS

Future Meetings

Q&A

FUNDAMENTAL TENETS



AUSTERE BY
DESIGN



COLLABORATION
IS EXPECTED



BOUNDED, NOT
CONTROLLED



DEVELOP NOW!



FAILURE =
LEARNING

Event Schedule

Monday, November 1

- 0900: Venues & Registration Open
- 0900 – 1200: JVAB Frequency Verifications
- 1200: Event Kick-Off Brief*
- 1600: Evening Brief

Tuesday, November 2

- 0730: Venues & Registration Open
- 0800: Morning Brief
- 0830 – 1600: Experimentation
- 1600: Evening Brief*

Wednesday, November 3

- 0730: Venues & Registration Open
- 0800: Morning Brief
- 0830 – 1600: Experimentation
- 1600: Evening Brief*

Thursday, November 4

- 0730: Venues & Registration Open
- 0800: Morning Brief
- 0830 – 1600: Experimentation (Integration)
- 1600: Event Closing Brief*

*All Briefs will be held virtually on Zoom for Government.

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

SLAMR

Naval Postgraduate School
Attn: Dr. Raymond Buettner, SLAMR Director
1 University Circle
Monterey, CA 93943

Please let us know if you are shipping something!

FX Network



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...

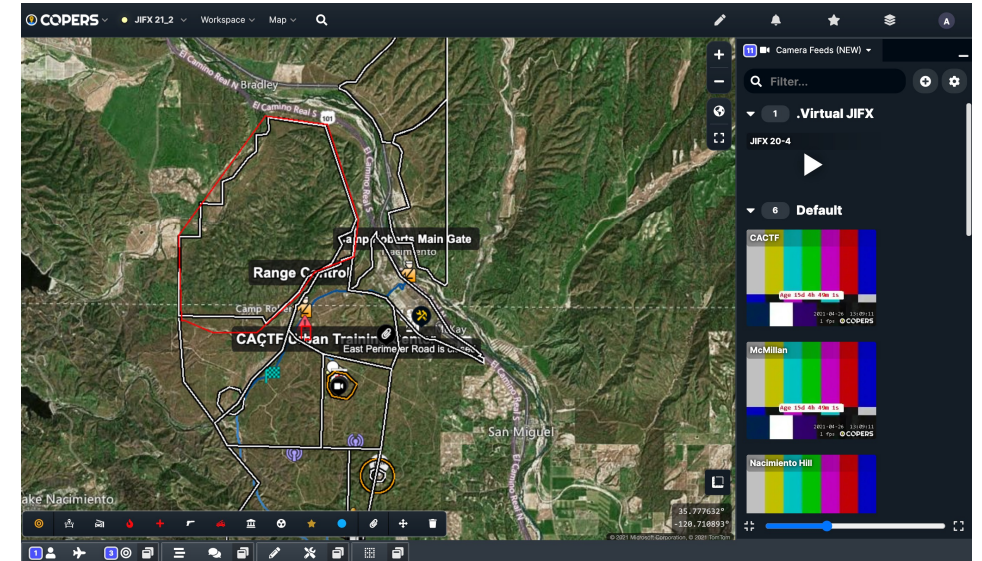
- Purpose of network:
 - Event administration
 - General experiment support
 - Rapid collaboration/integration
- Acceptable use:
 - Respect others' operations, privacy, security
 - No malicious activity
- Consult your organization's IT & security policies
- Coordinate with network manager before connecting systems (Joseph Lukefahr)

Joint Vulnerability Assessment Branch

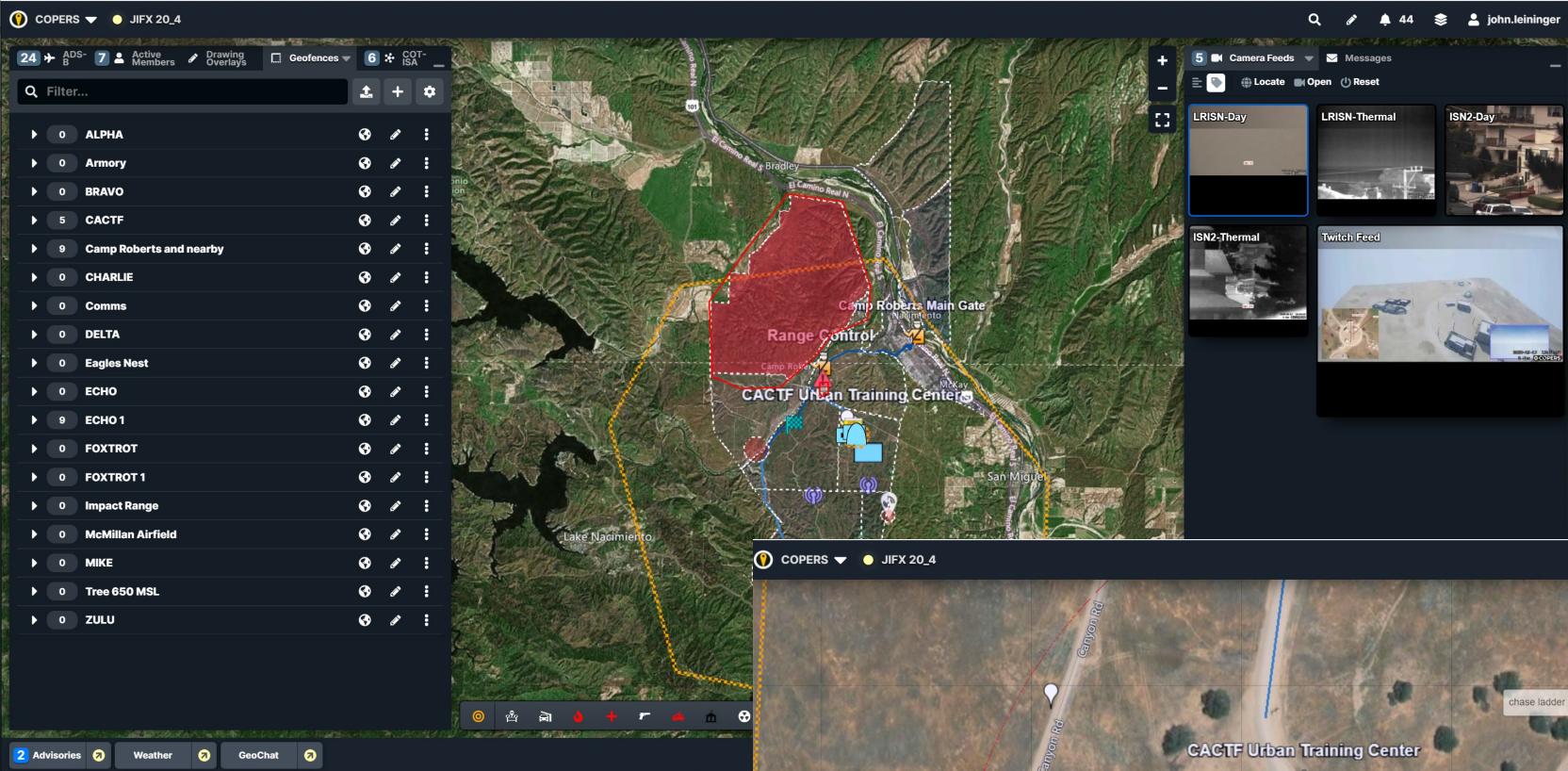
- Frequency Verifications
- Cyber Vulnerability Assessments (CVA's)
- www.nps.edu/web/fx/cybersecurity

COPERS

- COPERS Common Operating Picture (COP) provides real-time situational awareness of your connected experiment, team and equipment.
- COPERS provides a broad array of tools and integrations including:
 - Cursor on Target (CoT)
 - Android Team Awareness Kit (ATAK)
 - ADS-B
 - Geofencing
 - Ad hoc shared map drawing
 - geochat among ATAK devices and COPERS Users
 - Biomedical sensor status
 - Cameras feeds and live streams
 - Forms and checklists
 - Equipment management



<http://copers.tdkc.com/>



<http://copers.tdkc.com/>



COPERS – JIFX Integration

- Group logins available for each Experiment
- ADS-B
- Cursor on Target Integration
- Live Stream
 - YouTube
 - Twitch
- Camera Feeds
 - 1 connection between the camera feed and COPERS
 - Typically configured for, low frame rates (~1 frame / sec) to COPERS

Covid Guidelines

- Proof of Vaccination or negative Covid test within 72 hours of the event is required. (DD 3150 Form)
- Masks required indoors for all. Masks required at all times for unvaccinated.
- No more than 15 people in any location at any given time
- Social distancing required

FUTURE MEETINGS

Friday, October 22 – SLAMR Call
1100 PT

Monday, October 25 – Flyers Call
1100 PT

Wednesday, October 27 – Final Experimenters Call
1100 PT



Questions?