



JIFX 21-4
Experiment
Coordination Calls

04 August 2021

Call Agenda

JIFX Team

Event Logistics

Experiment Overview

Future Meetings

Questions

JIFX Team

Mike Richardson, JIFX Director

Dr. Ray Buettner, Co-Principal Investigator

Ashley Hobson, Event Operations

Jonathan Coon, JIFX Tech & Data Management

Greg Arenas, Camp Roberts Site Manager

Dirk Hale, Camp Roberts Facilities

Aurelio Monarrez, Air Operations

Tadashi Morishita, Air Operations

Joe Lukefahr, JIFX Networks

NPS Safety Office

Joint Vulnerability Assessment Branch

Air Force Research Lab / COPERS

Registration

Registration is required for
all participants!

Register Here:
www.nps.edu/fx

Upcoming Events:

JIFX 21-4

23 – 27 August 2021

[Register Here](#)

Locations: McMillan Airfield at Camp Roberts & SLAMR Aquatic Tanks at NPS

Safety Notes

Per Camp Roberts Guidance, all personnel on Camp Roberts must have a mask on at all times.

Expect excessive heat!

EXPERIMENTS

Experiment Number	Experiment Title	Organization Name	Flyer?	Status
A-01	HoverJet, The FUTURE of High-Speed Vertical Take-Off and Landing	Valkyrie Systems Aerospace Inc	Yes - Eagle	Postponed
A-02	Lumenier Nighthawk Tactical sUAS Drone	Lumenier	Yes - Nighthawk	Needs airspace boundaries in GCS, needs to submit battery information
A-03	Horizon	Advanced Unmanned Aerospace	Yes	Approved
A-04	JIFX 21-4	AeroVironment Inc	Yes	Approved
A-05	AT&T Drone Operations - Microwave Backhaul Solutions (Flying COW)	AT&T Drone Operations	Yes - Leap	Postponed
A-06	Xwing Remotely Piloted Cargo Flight	Xwing Inc.	Yes	Postponed
A-07	sUAS Cargo Drop	DropDrone	Yes	Postponed
A-08	sUAS Tethered Solution	Ascent AeroSystems	Yes	Postponed
A-09	Intelligent Aerial Robotics for Constrained Environments	Airgility Inc	Yes	Postponed
A-10	AARISS+ Automated Aerial Runway Intelligence and Safety Scan System w/ Vegetation Management	Greensight	Yes	Approved
A-11	SPEAR Containerized UAS	Naval Special Warfare Group 2	Yes	Postponed
A-12	Multi-Ducted Angled Rotors (MDAR) SUAS	Spydar Sensors, Inc	Yes – CAV-10, CAV-mini, Wyvern	Approved
A-13	GreenSight/USDA Vineyard Monitoring Service	GreenSight	Yes	Approved
A-14	Autonomous Exploration and Mapping in Complex Environments (Persistent Communications)	Exyn Technologies	Yes – Asylon SYO2D	Need to submit battery information and add airspace boundaries to GCS
A-15	GPS-Denied Autonomous Navigation & Mapping	Exyn Technologies	Yes - Spirit	Need to add airspace boundaries to GCS
A-16	Skydio X2D ISR & AISUM Experiments	Skydio	Yes	Approved
B-01	Enabling predictive analytics by automating data preparation for operational data	Sentenai Inc.	No	Approved
B-02	Network Extension and UxS Control Using Commercial Off The Shelf Hardware	California State University Bakersfield	No	Approved
B-03	Ground Vehicle Autonomy	DropDrone	No	Need FCC Information

EXPERIMENTS

Experiment Number	Experiment Title	Organization Name	Flyer?	Status
B-04	Rapid Expeditionary Security Surveillance System (RES3) Sensor in a Box (SiaB)	Booz Allen Hamilton	No	Approved
C-01	"Sally" Radar	Eikon Research, Inc.	No	Approved
C-02	Counter UAS Remote ID and Tracking	Pierce Aerospace	No	Approved
D-01	Seamless Integration of HF/VHF/LTE/Satcom for Failover/Fallback Communications	NVIS Communications LLC	No	Approved
D-02	Quantum Network Processing	Flightprofiler	No	Approved
D-03	Cloud-Enabled Edge Device for Remote IoT and Sensor Connectivity	infiot	No	Approved
E-01	IHM GPS Denied & Subterranean Navigation Trials	Yotta Navigation	No	Approved
E-02	RF Signal Detection and Classification System using Edge AI Analytics and Low-Cost Commodity Hardware	Distributed Spectrum LLC	No	Approved
E-03	Privacy-Preserving Machine Learning	Inpher, Inc.	No	Approved
F-01	Smart Surveillance with Behavior Analysis at-the-edge	Gantz-Mountain Intelligence Automation Systems, Inc.	No	Approved
F-02	Beyond Line of Site Situational Awareness with Commercial Off-the-Shelf Hardware	San Francisco Wireless Emergency Mesh	No	Approved
F-03	Expeditionary Live Geo-registration of Multi-streams	Edgybees	Yes - Flexrotor	Approved
G-01	Ex Scientia Maritime Situational Awareness Experiment	Ex Scientia	No	Approved
G-02	Sans Hands- using touch screen technology without your fingers.	Inventina	No	Approved
G-03	Enabling real-time Artificial Intelligence and Machine Learning thru mobile connected High-Performance Compute at the Tactical Edge	TMGcore LLC	Yes – Golden Eagle	Pending UAS Safety Review
G-04	Asset Tracking and off grid comms	3amInnovations	Yes – FVR-90	Approved
G-05	Disrupt Emerging Threats 24/7	CommSafe AI	No	Approved
G-06	Abnormality Detection, Recognition, and Trust Assessment	Data Fusion & Neural Networks	No	Approved

EXPERIMENTS

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G-07	Conversational AI Technology for Rapid, Effective Decision Making	Humaxa	No	Approved
G-08	Tactical Artificial Intelligence Force Protection and Surveillance	Digital Force Technologies	No	Approved
G-09	Ground-based Accuracy - Post-processed	Xona Space Systems	No	Approved
H-01	Applying real-time Operational Intelligence to DSCA	Splunk & Orion Labs	No	Approved
I-01	RAPID PAIN RELIEF USING NEURO CAPACITIVE COUPLING	nCAP MEDICAL LLC	No	Approved
I-02	Surface & Air Germ Elimination (S.A.G.E.)	Violet Defense, LLC	No	Approved
I-03	ecoCUBE Water Treatment System	ecoSPEARS	No	Postponed
J-01	Resilient Expeditionary Communications on the Move	Viasat	No	Approved
J-02	Craitor Portable, Ruggedized, Intelligent, 3D Printer	Craitor, Inc.	No	Approved
M-01	Additive Manufacturing of hybrid ceramic- refractory metal hypersonic thermal protection system	SHEPRA	No	Approved
M-02	Emotion AI to Measure, Predict, and Shape Decision Making	Cognovi Labs	No	Approved

FUTURE MEETINGS

Friday, August 6

1000 PT

- Flyers Safety Meeting
- *Mandatory for all flying experiments!*

Wednesday, August 11

1030 PT

- Event Logistics (Registration, Shipping, Etc.)
- Joint Vulnerability Assessment Branch
- COPERS
- Event Network

Wednesday, August 18

1030 PT

- Event Schedule
- Final Logistics



Questions?