

TECHNICAL SPECIALIST - UNMANNED AIRCRAFT SYSTEM

TYPE	TYPE 1	NO TYPE 2
DESCRIPTION	The Technical Specialist-Unmanned Aircraft System (UAS): 1. Ensures that data recording and streaming equipment is operational preflight, during flight, and post-flight to achieve the mission objectives 2. Works with the Air Tactical Group Supervisor to ensure that the UAS operational control frequencies do not conflict with other UAS in the flight area 3. Performs preflight and post-flight safety and security checks of on-board data gathering and streaming equipment 4. Communicates safety, hazards, needs, and concerns relating to data gathering and streaming equipment to the flight observer 5. Maintains the flow of streamed data to the receiver while the aircraft is in flight 6. Ensures that backup recording devices are operational before launch 7. Checks data recorded, creates backup copy, and forwards original to designated operations and planning authorities 8. Documents the chain of custody for information gathered from the aircraft	Not Applicable
CATEGORY	CRITERIA	CRITERIA
EDUCATION	Not Specified	Not Applicable
	NOTES: Not Specified	
TRAINING	Completion of the following: 1. IS-100: Introduction to the Incident Command System, ICS-100 2. IS-200: Incident Command System for Single Resource and Initial Action Incidents 3. IS-700: National Incident Management System, An Introduction 4. IS-800: National Response Framework, An Introduction 5. Hazardous materials awareness training, such as: a. Training in accordance with the Occupational Safety and Health Administration (OSHA) 29 Code of Federal Regulations (CFR) Part 1910.120: Hazardous Materials Awareness, OR b. IS-5.A: An Introduction to Hazardous Materials, AND IS-3: Radiological Emergency Management	Not Applicable
	NOTES: Not Specified	

Superseded



TYPE	TYPE 1	NO TYPE 2
EXPERIENCE	Knowledge: Competency with remote sensing technologies such as photogrammetry, live video, lidar, and thermal imaging Experience: Provides Authority Having Jurisdiction (AHJ) with documentation of successful participation in a drill, functional or full-scale exercise, or actual incident within the past two years	Not Applicable
	NOTES: The AHJ may accept documentation of equivalent military experience.	
PHYSICAL/MEDICAL FITNESS	Performs duties under moderate circumstances characterized by working consecutive 12-hour days under physical and emotional stress for sustained periods of time	Not Applicable
	NOTES: Not Specified	
CURRENCY	Functions in this position during an operational incident, exercise, drill, or simulation at least once every two years	Not Applicable
	NOTES: Not Specified	
PROFESSIONAL AND TECHNICAL LICENSES AND CERTIFICATIONS	Not Specified	Not Applicable
	NOTES: Not Specified	

Superseded

ORDERING SPECIFICATIONS OR DESIGNATIONS

1. (X) Can be ordered as an individual asset
2. (X) Can be ordered in conjunction with a NIMS typed team (Unmanned Aircraft System Team)
3. () Can be ordered in conjunction with a NIMS typed unit
4. Discuss logistics for deploying this position, such as security, lodging, transportation, and meals, prior to deployment
5. This position typically works 12 hours per shift, is self-sustainable for 72 hours, and is deployable for up to 14 days

REFERENCES

1. FEMA, NIMS 508: Unmanned Aircraft System Team
2. FEMA, NIMS 509: Remote Pilot in Command
3. FEMA, NIMS Guideline for the National Qualification System, November 2017
4. Federal Aviation Administration (FAA) Joint Order (JO) 7200.23: Air Traffic Organization Policy, October 2016
5. Title 14 Code of Federal Regulations (CFR) Part 107: Small Unmanned Aircraft Systems, latest edition adopted
6. Occupational Safety and Health Administration (OSHA) 29 CFR Part 1910.120: Hazardous Materials Awareness, latest edition adopted

NOTES

Nationally typed resources represent the minimum criteria for the associated component and capability.

Superseded