

**NEW YORK ARMY NATIONAL GUARD  
CAMP SMITH TRAINING SITE  
11 BEAR MOUNTAIN BRIDGE ROAD  
CORTLANDT MANOR, NEW YORK 10567**

sUAS SOP

21 May 2020

**Section 1: References**

1. AR 95-1; Flight Regulations (22 Mar 18)
2. National Guard Supplement 1 to AR 95-1 (30 Nov 18)
3. AR 95-2; Air Traffic Control, Airfield/Heliport, and Airspace Operations (31 Mar 16)
4. AWR RQ-11AB20090331R5; MEMORANDUM FOR Project Manager, Unmanned Aircraft Systems (SFAE-AV-UAS), Redstone Arsenal, AL 35898-5000 (5 Mar 18)
5. AR 200-1; Environmental Protection and Enhancement (13 Dec 07)
6. AR 350-19; Sustainable Range Program (30 Aug 05)
7. AR 385-63; Range Safety (30 Jan 12)
8. DA PAM 385-63; Range Safety (16 Apr 14)
9. STACOM 18-02, Revision 1; Unmanned Aircraft Systems
10. Memorandum, Department of the Army, Camp Smith Training Site, MNFE-CSTS, 08 Aug 19, subject: Notification of Class G Airspace UAS Operations (20 pounds or less)
11. Memorandum, US Army Research, Development and Engineering Command; Aviation and Missile Research, Development, and Engineering Center, RDMR-AEV, 05 Mar 18 R5, subject: Airworthiness Release (AWR) for Operation of RQ-11A, RQ-11B, RQ-11B with DDL, and RQ-11B with gimbaled payload Raven Unmanned Aircraft System (UAS) (RQ-11AB20090331R5) (TN 158726A)
12. Secretary of Defense Memorandum, subject: Guidance for the Domestic Use of Unmanned Aircraft Systems in US National Airspace, 18 Aug 18
13. Memorandum, Commander, Camp Smith Training Site, New York Army National Guard, subject: Notification for DOD Unmanned Aircraft Systems (UAS) Operations (<20 lbs) within Class G Airspace at Camp Smith, Cortlandt Manor NY; Class G Notification Case Number: Army ESC #040, 30 Aug 19

**Section 2: Objective**

Camp Smith Training Site (CSTS) provides a training location in which units may conduct unit skills training, individual and unit evaluation and exercises needed to successfully deploy small Unmanned Aircraft Systems (sUAS). CSTS supports the training of Squad to Platoon-sized units with organic sUAS capabilities.

**Section 3: Requirements**

1. All sUAS operations must conform to relevant DoD regulations (and 14 CFR Part 107 if applicable and as necessary) with regard to operator and aircrew certification, operating procedures and limitations, safety, and risk management. Only DOD acquired and approved sUAS, which are a DoD Group 1 sUAS (20 pounds or less) will be permitted to operate at CSTS.
2. When a sUAS will be flown, the following resources will be on-site to support sUAS operations:

Mission Qualified (MQ) Status Flight for Currency and/or Proficiency

- a. sUAS Officer-in-Charge (OIC).
- b. sUAS Range Safety Officer (RSO).
- c. Mission Operator (MO)/Vehicle Operator (VO) in MQ status.
- d. Certified Observers (CO); one, or more, per flight team (can be the OIC/RSO).

- e. Maintain communication with Range Operations.

Mission Preparation (MP) Status or Initial Qualification (IQT) Status Flight

- f. sUAS OIC; must be Master Trainer (MT) certified.
  - g. sUAS RSO; must be MT certified.
  - h. MO/VO in MP or IQT status with one MT per sUAS.
  - i. CO; one, or more, per flight team (can be the OIC/RSO).
  - j. Maintain communication with Range Operations.
- 3. The OIC will ensure that all sUAS operations occur within the assigned training area boundaries and do not interfere with other training taking place in adjacent training areas. Additionally, they will ensure that sUAS operations do not enter the buffer space adjacent to the post boundaries nor occur outside the post boundaries. Incidents of such operations must be reported to Range Operations.
  - 4. Units are responsible for cleaning/clearing all training areas utilized for training. Range Operations staff will clear all training areas utilized by the unit.

#### **Section 4: Safety**

##### 1. General

- a. All sUAS operations will require Flight Release procedures to ensure:
  - i. All personnel are qualified and able to perform their duties. U.S. Army personnel qualifications will be certified on a memorandum signed by a LTC/O5 or above.
  - ii. A Risk Analysis (DD Form 2977) is completed to identify potential hazards and mitigate them.
  - iii. Flight conditions meet Federal Aviation Administration (FAA) minimums.
  - iv. Winds and weather are within acceptable limits.
- b. A "sterile cockpit" environment will be maintained by the sUAS PIC or OIC.
- c. For medical emergencies:
  - i. Call 911 **FIRST**.
  - ii. Call Range Operations **SECOND**.
  - iii. The OIC has incident command until EMS arrives.

##### 2. sUAS Operational Limitations

- a. sUAS will be DOD acquired and approved.
- b. sUAS will not exceed 20 pounds in weight.
- c. sUAS will not exceed altitudes of 1200 feet Above Ground Level (AGL).
- d. sUAS will not be flown faster than 100 miles-per-hour (MPH).
- e. sUAS will not be:
  - i. Employed any closer than 250 meters of installation boundaries when operating within the training areas.
  - ii. Employed any closer than 100 meters of installation boundaries when operating within the cantonment area.
  - iii. Employed any closer than 100 meters of public highways, hiking trails, active live-fire ranges, or Surface Danger Zones (SDZs).
- f. sUAS will only be flown during daylight hours when visibility is greater than 3 Statute Miles (SM), cloud clearances are met, and all other DoD/FAA requirements are met.

3. Airspace Clearances
  - a. The flying unit will submit a completed Notice to Airmen (NOTAM) Filing Worksheet (Annex A) a minimum of 48 hours prior to any sUAS operations.
  - b. CSTS Range Operations will notify the manager of 2NK4 (a private-use helipad located within a 5-mile radius of CSTS) NET 48-hours prior and NLT 24-hours prior to the commencement of operations via email initially and telephone as follow up.
    - i. Primary Phone, 914-739-9304; x214
    - ii. Alternate Phone, 845-654-5665
    - iii. Email, jpryor@wtienergy.com
  - c. Camp Smith Range Control will file a Notice to Airmen (NOTAM) to alert non-participating aircraft of sUAS operations at CSTS.
    - i. For non-recurring operations, NOTAMs will be filed NET 72-hours and NLT 24-hours in advance.
    - ii. For recurring operations (e.g. training), a standing "blanket" NOTAM will be requested.
    - iii. NOTAMs will be filed by calling 1-877-487-6867 and speaking with a flight service specialist. No account is required.
    - iv. The NOTAM filing format depicted in Annex A will be utilized and a copy will be submitted by the flying unit to Range Operations with the unit and POC information NLT 48 hours prior to scheduled flight operations.
  - d. All sUAS operations will be coordinated with other CSTS air operations to ensure that no airspace conflicts will arise.
  - e. sUAS operations will always yield to other manned air operations and will yield the right-of-way.
  - f. Joint air operations involving sUAS and manned aircraft will require special coordination and approval by the Garrison Commander.
  - g. Safety and awareness training will be provided by full-time Range Operations personnel for Garrison Command teams that will be on duty during sUAS operations.

### **Section 5: Scheduling**

1. Units/organizations will submit requests for the use of sUAS at CSTS through the Range Facility Management Support System (RFMSS).
  - a. Range Operations has the authority to schedule, and approve, the use of training facilities for sUAS operations.
  - b. Non-military units (NMU) must have an approved agreement with the New York State (NYS) Division of Military and Naval Affairs (DMNA).
2. The primary users of sUAS on CSTS will be military organizations. New York Army National Guard units will have first priority in requesting training facilities. All other military units will be scheduled on a first-come, first-served basis.
3. At a minimum, units/organizations will provide the following documentation to Camp Smith Range Operations prior to the start of any sUAS operations or training exercises:
  - a. Training scenario, course of training exercise, and/or operations order (OPORD).
  - b. Deliberate Risk Assessment Worksheet (DD Form 2977).
  - c. Battalion Commander (or civilian equivalent) Certification Memorandum for OICs, PICs and VOs/COs.
  - d. Valid documentation of PIC sUAS qualification.
  - e. NOTAM Filing Worksheet.

4. Units/organizations need to plan on clearing the sUAS operations facilities during daylight hours on the last day they are scheduled for the site. Units/organizations will coordinate with Range Operations for clearance requirements and times.

#### **Section 6: Abbreviations**

- sUAS – Small Unmanned Aircraft System
- MT – Master Trainer
- MQ – Mission Qualified
- MP – Mission Preparation – must have a MT present to fly
- VO – Vehicle Operator (Pilot)
- MO – Mission Operator (Co-Pilot)
- CO – Certified Observer (DoD)
- IQT – Initial Qualification Training

The proponent office for this SOP is Camp Smith Training Site, Range Operations. Users are invited to send comments and suggested improvements directly to ATTN: Range Management Authority, 11 Bear Mountain Bridge Road, Cortlandt Manor, NY 10567.

MICHAEL J. GIERALTOWSKI  
LTC, IN, NYARNG  
Commanding