NIST Advanced sUAS Standard Test Methods Proctor Training

DATES: 18-20 February 2022
(Day One: 1400-2400, Day Two: 1100-2030, Day Three: 0800-1530)

LOCATION: Alameda County Sheriff's Office of Emergency Services
4985 Broder Boulevard
Dublin, CA 94568

COST: $575.00

RESERVATIONS: Airborne Public Safety Association
Telephone: (301) 631-2406
Web Site: www.publicsafetyaviation.org

COURSE DESCRIPTION: 24 hours of classroom and hands-on flight instruction covering advanced aspects of the National Institute of Standards and Technology sUAS Standard Test Methods. The course will address constructing and managing the NIST obstructed test lanes, night operations, beyond visual line of sight (BVLOS) operations, and embedding apparatus within scenarios. These test methods can be used to evaluate sUAS capabilities and sensor systems, or remote pilot proficiency for credentialing. The tests are easy to conduct alone or in groups, and inexpensive enough to set up multiple concurrent lanes. They are quick to perform, typically less than 30 minutes to conduct all the tests in a given lane, so they can support flying practice for remote pilots at the beginning of every training session. The NIST sUAS Standard Test Methods are an excellent way to add a sUAS pilot flight skills credentialing component to your sUAS program. NIST has created a comprehensive user guide, scoring forms, and apparatus targets that can be printed and placed in the test apparatus buckets. Attendees will learn how to fabricate apparatus, conduct trials, and embed them into their own training and credentialing programs. The NIST sUAS Test Methods have been adopted, or are under consideration for adoption, by the Airborne Public Safety Accreditation Commission, National Fire Protection Association, Civil Air Patrol, and ASTM International.

Attendees should be experienced sUAS pilots who want to hone their skills, evaluate sensor systems and/or have a desire to train and evaluate other sUAS pilots. Ideally, they will have previously completed the APSA NIST Basic sUAS Standard Test Methods Proctor Course. Attendees must bring their own quadcopter style sUAS, capable of at least 15 minutes of flight time, equipped with a camera and anti-collision lighting. Additional sUAS batteries and a battery charging station are also required. Self-contained illumination mounted on the drone (LumeCube or similar), and a laptop computer are highly recommended.

Updated 02/07/2022