Lesson 8 - Skydio X10 Local Ops Intro

Scenario Based Training | 1.0 hour flight, 3 takeoff and landings, 0.5 hour ground

Resources	Skydio X10 Dock Operator Manual & Maintenance Manual BVLOS waiver OTI GOM Mock disaster environment
Objectives	The student(s) shall gain knowledge of Operator drone tactics for **disaster response overwatch** and demonstrate the ability to conduct a simulated Operator mission. The student will also demonstrate the ability to manage the data in accordance with Operator policy for the simulated mission.
Content	● Review o Operating COA o Airspace o Weather “Go / No Go” decision o Operator standard operating procedures o Preflight procedures o Takeoff o Normal Operations o Abnormal and Emergency Actions ▪ Loss of C2 Link o Landing ● Introduction o Operator drone tactics for disaster response overwatch o Record keeping and reporting o Recording of video / photos o Data retention and storage o Equipment maintenance
Completion Standards	● The student is able to make a correct “Go / No Go” decision based on COA provision and limitations, airspace, weather, and Operator standard operating procedures without instructor guidance. ● The student is able to fill out the appropriate records without instructor guidance. ● The student is able to conduct Operator tactic with instructor guidance.

- The student is able to manage the data in accordance with Operator policy with little instructor guidance.
- The student does not create a hazardous situation during operation of the unmanned aircraft.

Instructor Notes

Motivation -> Now that the student understands basic flight skills, the training gets more exciting with the introduction of Scenario-Based Training. The instructor has setup a mock disaster scenario for students to continue learning about Operator tactics and data management.

Overview -> Instructor provides overview of the lesson objectives and completion standards. Instructor also provides an overview of the mock disaster scenario –

- What is the situation,
- How is the drone operator expected to support,
    - ReadyLink
    - How to take video and picture
- What kinds of videos and pictures the operator is expected to take,
    - Camera controls – focus, brightness
    - Camera positioning
    - Zoom levels
- Where should the data be disseminated to and stored,

Discussion ->

- Ask the student if they have a copy of the BVLOS waiver readily available
    - Instructor asks student if the operation today can be conducted under the provisions of the waiver
- Instructor asks student to identify the type of airspace they are in and any FAA requirements
- Instructor asks student to evaluate the current and forecast conditions and make a GO / NO GO decision
- Instructor asks student to begin preflight procedures following OTI GOM and SOP
    - Instructor asks at least 2 questions about preflight procedures to check student knowledge
- Once the student takes off, the instructor begins guiding the student through the disaster response scenario
- Instructor adds an abnormal / emergency scenario –
    - Ask student, what would happen right now if the drone loses C2 connection? What would the drone do? What would you do?