

Developing an Effective sUAS Organization

Course Description

This course introduces the student in developing a Mission and Flight plan for your organization or yourself. It also includes the steps necessary to write an effective Operation Manual. This course is specifically designed for the sUAS Professional. Those who successfully complete this course will be able to define their UAS program specifications and design their Operations Manual.

Intended Outcomes:

Upon completion of this class, students will be able to:

1. Understand the elements of a UAS Mission Plan
2. Be able to start creating a UAS Program and Mission Plan
3. Understand Mission Deliverables
4. Be able to start a Flight Plan
5. Understand the sections necessary for an Operations Manual
6. Be able to define the critical elements of the Flight Procedures
7. Able to outline and begin to write an Operations Manual

Outcome Assessment

The student will demonstrate competencies via quizzes and a final exam.

Text and Materials required:

None

Course Content

Organizing UAS Activities

- Structural foundations
- Mission Planning
- Resources, Team and Skill Development
- Flight Planning
- Flight Operations
- Data Management
- Administration

Mission Planning Content

- Customer and Objectives
- Location, Weather and Airspace
- Equipment, Transportation and Staging
- People, Skills and Training
- Deliverables and Logistics

Flight Planning Content

- Objectives
- Deliverables
- Location
- Airspace
- Weather
- Equipment
- Accessories
- Transportation
- Training
- Checklist

Developing the Operation Manual

- Sections necessary
- Safety Policy
- Training
- Operating Procedures
- Flight Operations

Writing the Manual

- Layout
- Content
- Resources
- Examples
- Rules to consider
- Topics to include