



# S-270: Basic Air Operations (2011) Course Plan

## Course Details

<b>Description:</b>	This course covers aircraft types and capabilities, aviation management and safety for flying in and working with agency aircraft, tactical and logistical uses of aircraft, and requirements for helicopter take-off and landing areas. Note: The regulations, procedures, and policies addressed in this course are primarily those governing federal agency and ICS operations. State, county, or other political subdivisions using this course will need to consult their agency having jurisdiction with respect to regulations, procedures and policies.
<b>Designed For:</b>	Personnel desiring to be qualified as Single Engine Airtanker Manager (SEMG), Helicopter Manager, Single Resource (HMGB), Aircraft Dispatcher (ACDP), and other positions that require basic knowledge of aviation operations.
<b>Authority:</b>	National Wildfire Coordinating Group (NWCG)
<b>Prerequisites:</b>	Satisfactory completion of pre-course work.
<b>Standard:</b>	N/A
<b>Hours:</b>	16 hours
<b>Maximum Class Size:</b>	30
<b>Instructor Level:</b>	Primary instructor
<b>Instructor/Student Ratio:</b>	1 primary instructor per 10 students (skills)
<b>Restrictions:</b>	Limited to Instructor-Led Delivery only.
<b>SFT Designation:</b>	FSTEP

## Required Resources

### Online Instructor Resources

The following instructor resources are available online at <https://www.nwcg.gov/publications/training-courses/s-270>

- Instructor-led delivery course materials
- Instructor Guide
- Student Workbook

### Student Resources

To participate in this course, students need:

- Student workbook
- Incident Response Pocket Guide (IRPG), PMS 461
- Basic Aviation Safety Booklet
- FSH 5709.16 Chapter 30 section 33- Flight Plans and Flight Following (2017)
- DOI Departmental Manual 351DM1- Flight Operations Standards and Procedures
- NWCG Standards for Aviation Transport of Hazardous Materials, PMS 513
- 6MFS Working with Helicopter Drops
- Interagency Aviation User Pocket Guide (2015)
- NWCG Standards for Helicopter Operations, PMS 510

### Facilities, Equipment, and Personnel

The following facilities, equipment, or personnel are required to deliver this course:

#### Facilities

- Standard classroom equipped for 24 students
- Whiteboards or easel pads with appropriate writing implements
- Projector/TV with appropriate laptop connections
- Wifi/Internet access

## Time Table

Segment			Unit Total
Unit 0: Introduction			0.5
Unit 1: Aircraft Types and Capabilities			3.0
Unit 2: Aviation Management and Safety			4.0
Unit 3: Aircraft Missions			3.5
Unit 4: Helicopter Operations			2
Final Test			1.0
	<b>Course Totals</b>		<b>14.0</b>

### Time Table Key

1. The Time Table documents the amount of time required to deliver the content included in the course plan.
2. Time is documented using the quarter system: 15 min. = .25 / 30 min. = .50 / 45 min. = .75 / 60 min. = 1.0.
3. The Course Totals do not reflect time for lunch (1 hour) or breaks (10 minutes per each 50 minutes of instruction or assessment). It is the instructor's responsibility to add this time based on the course delivery schedule.
4. Application (activities, skills exercises, and formative testing) time will vary depending on the number of students enrolled and the acquired structure selected for training. The Application time documented is based on the maximum class size identified in the Course Details section.
5. Summative Assessments are determined and scheduled by the authority having jurisdiction. These are not the written or psychomotor State Fire Training certification exams. These are in-class assessments to evaluate student progress and calculate course grades.

## Objectives

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1. Upon completion of this course, the student will have obtained the basic understanding of the different functions of Air Operations.