

# **AIRCRAFT DISPATCHER**

## **UNIT 1 – AIRCRAFT FLIGHT PLANNING**

### **LESSON A – FLIGHT CRITERIA AND CLASSIFICATIONS**

#### **INSTRUCTIONS TO THE INSTRUCTOR**

Unit 1 is composed of four lessons; consider using more than one qualified instructor to teach this unit.

The intent of this lesson is to identify the types of aircraft flights and missions and the ordering requirements for each. Encourage the students to ask questions and make comments. The scenarios in Unit 1C will rely on the definitions presented here to complete the exercises. Ensure that the students have a good understanding of this material.

## NOTES

## DETAILED LESSON PLAN OUTLINE

CURRICULUM:	BLM Fire and Aviation Training
COURSE:	Aircraft Dispatcher
UNIT:	1 - Aircraft Flight Planning
LESSON:	A - Flight Criteria and Classification
SUGGESTED TIME:	45 minutes
TRAINING AIDS:	Overhead projector or computer with CD-ROM and computer projector; projection screen; markers, masking tape or tacks; handouts; flip chart
OBJECTIVES:	<p>Given a simulated wildland fire incident scenario, case study or exercise, students will be able to</p> <ul style="list-style-type: none"><li>• Identify four criteria used by an aircraft dispatcher when evaluating flight types.</li><li>• Classify a flight as administrative, non-administrative, tactical fire, or tactical non-fire.</li><li>• List three reference publications that are available to an aircraft dispatcher.</li></ul>

OUTLINE	AIDS & CUES
<b>Introduce the lesson.</b>	01A-01-ACDP-EP
<b>Present the lesson objectives.</b>	01A-02-ACDP-EP 01A-03-ACDP-EP
I. FLIGHT CRITERIA	01A-04-ACDP-EP
A. Type of Flight/Mission	
1. Point-to-Point Flights	01A-05-ACDP-EP
<ul style="list-style-type: none"> <li>• Originate at one developed airport/heliport and travel directly to another or same developed airport/heliport (e.g., flying from Point A to Point B)</li> </ul>	
<ul style="list-style-type: none"> <li>• Includes transport of personnel and/or equipment</li> </ul>	
<ul style="list-style-type: none"> <li>• Flights above 500 feet above ground level (AGL)</li> </ul>	01A-06-ACDP-EP
<b>Discuss the difference between AGL and MSL.</b>	

OUTLINE	AIDS & CUES
<ul style="list-style-type: none"> <li data-bbox="570 289 951 873">– AGL (Above Ground Level) altitude measured in feet above the level of the ground, a point or object measured in feet above the ground such as a mountain top or tower. AGL follows the contours of the earth.</li> <li data-bbox="570 919 951 1335">– MSL (Mean Sea Level) altitude measured in feet from average (mean) sea level. Example: A mountain top is at 5,500' MSL; 500' AGL would equal 6,000' MSL.</li> <li data-bbox="477 1381 862 1545">• Personal protective equipment (PPE) is mandatory for all helicopter flights.</li> <li data-bbox="477 1581 943 1661">• Can be administrative or non-administrative</li> </ul>	



OUTLINE	AIDS & CUES
<p><b>Notify students that the Aircraft Flight Request/Schedule will be referred to as the Fight Request from this point forward.</b></p> <p><b>Flight following methods will be discussed briefly in this unit and in-depth in Unit 3–Flight Following.</b></p> <p>C. Flight Following Methods</p> <ol style="list-style-type: none"> <li>1. Agency Check-in <ul style="list-style-type: none"> <li>• 15-minute check-in</li> </ul> </li> <li>2. Flight Plan <ol style="list-style-type: none"> <li>a. Federal Aviation Administration (FAA), Visual Flight Rules (VFR)</li> <li>b. FAA, Instrument Flight Rules (IFR)</li> </ol> </li> <li>3. Resource Tracking (VFR &amp; IFR) <ol style="list-style-type: none"> <li>a. Radio</li> <li>b. Telephone</li> </ol> </li> </ol>	<p>01A-10-ACDP-EP</p>
<p><b>A more detailed discussion of aircraft contracts is presented in Unit 1B.</b></p> <p>D. Pilot/Aircraft Carding and Approvals</p> <ul style="list-style-type: none"> <li>• Each pilot must be fully carded and qualified for each mission.</li> </ul>	<p>01A-11-ACDP-EP</p>

OUTLINE	AIDS & CUES
<ul style="list-style-type: none"> <li>• The aircraft must be fully carded for each mission.</li> </ul>	
<p>II. FLIGHT CLASSIFICATION</p>	<p>01A-12-ACDP-EP</p>
<p>A. Administrative Flights</p> <ul style="list-style-type: none"> <li>• Point-to-point flights which are neither mission-oriented nor tactical in nature</li> <li>• Above 500 feet AGL</li> <li>• Ordered via Flight Request rather than a Resource Order</li> <li>• Does not require 15-minute check-in</li> <li>• Example includes movement of personnel to a meeting.</li> </ul>	<p>01A-13-ACDP-EP</p>
<p>B. Non-Administrative Flights</p> <p>Flights conducted solely to transport personnel and/or cargo as the result of a Resource Order</p> <ul style="list-style-type: none"> <li>• Point-to-point flight</li> <li>• Above 500 feet AGL</li> <li>• Logistical flight to move aircraft, crews, equipment, supplies, and/or overhead</li> </ul>	<p>01A-14-ACDP-EP</p>
<p>C. Tactical Fire/Special-Use</p> <p>1. Missions</p> <ul style="list-style-type: none"> <li>• Retardant</li> </ul>	<p>01A-15-ACDP-EP</p>

OUTLINE	AIDS & CUES
<ul style="list-style-type: none"> <li>• Smokejumpers</li> <li>• Infrared—files an IFR flight plan</li> <li>• Lead Plane, Air Attack, Aerial Supervision Module (ASM)</li> <li>• Helitack</li> </ul> <p>2. Ordering Procedure</p> <p>Tactical fire missions are ordered on a Resource Order.</p>	<p>01A-16-ACDP-EP</p>
<div style="border: 2px solid black; padding: 5px; margin-bottom: 10px;"> <p><b>01A-01-ACDP, Flight Request, is given for your reference. Refer students to the Flight Request presented on pages 1A-8 and 9 in the Student Guide.</b></p> </div> <p>In addition to the Resource Order, complete a Flight Request when an aircraft crosses geographical boundaries.</p> <p>Example: A helicopter en route to a fire ordered on an A# from Colorado to Utah. The Flight Request gets passed along the flight path to dispatch offices where the helicopter will check in en route.</p>	<p>01A-01-ACDP-IR SG pages 1A-8 and 9</p>
<p>D. Tactical Non-Fire/Special-Use</p> <ul style="list-style-type: none"> <li>• Examples include wildlife surveys and aerial photography.</li> </ul>	<p>01A-17-ACDP-EP</p>

OUTLINE	AIDS & CUES
<ul style="list-style-type: none"> <li>• May require a cost comparison</li> <li>• Ordered on a Flight Request</li> </ul>	
<p>III. REFERENCE PUBLICATIONS</p>	01A-18-ACDP-EP
<p><b>Refer students to page 1 of the Aircraft Dispatcher Job Aid.</b></p>	
<ul style="list-style-type: none"> <li>A. Interagency Airspace Coordination Guide</li> <li>B. Interagency Air Tactical Operations Guide</li> <li>C. National Mobilization Guide, NFES 2091</li> <li>D. Geographic Area Mobilization Guide</li> <li>E. FSH 5709.16 Flight Operations Handbook</li> <li>F. Interagency Lead Plane Operations Guide</li> <li>G. Interagency Air Tactical Group Supervisor Guide</li> <li>H. Interagency Helicopter Operations Guide (IHOG), NFES 1885</li> </ul>	01A-19-ACDP-EP
<p><b>Review the lesson objectives.</b></p>	01A-20-ACDP-EP
<p><b>Ask the students if there are any questions.</b></p>	01A-21-ACDP-EP

# **AIRCRAFT DISPATCHER**

## **UNIT 1 – PREPARING FOR AN AVIATION OPERATION**

### **LESSON A – PREPARING FOR AN AVIATION OPERATION**

#### **POWERPOINT SLIDE INDEX**

<u>Reference No.</u>	<u>Description</u>
01A-01-ACDP-EP	Title Slide
01A-02-ACDP-EP	Lesson Objectives
01A-03-ACDP-EP	Lesson Objectives
01A-04-ACDP-EP	Flight Criteria
01A-05-ACDP-EP	Point-to-Point Flights
01A-06-ACDP-EP	Point-to-Point Flights
01A-07-ACDP-EP	Special-Use Missions
01A-08-ACDP-EP	Special-Use Missions
01A-09-ACDP-EP	Ordering Procedures
01A-10-ACDP-EP	Flight Following Methods
01A-11-ACDP-EP	Pilot/Aircraft Carding and Approvals
01A-12-ACDP-EP	Flight Classification
01A-13-ACDP-EP	Administrative Flights
01A-14-ACDP-EP	Non-Administrative Flights
01A-15-ACDP-EP	Tactical Fire (Special-Use)

PowerPoint Slide Index, continued

01A-16-ACDP-EP	Tactical Fire (Special-Use)
01A-17-ACDP-EP	Tactical Non-Fire (Special-Use)
01A-18-ACDP-EP	Publications
01A-19-ACDP-EP	Publications
01A-20-ACDP-EP	Lesson Objectives
01A-21-ACDP-EP	Questions

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## **UNIT 1 – PREPARING FOR AN AVIATION OPERATION**

### **LESSON A – PREPARING FOR AN AVIATION OPERATION**

#### **INSTRUCTOR REFERENCE**

<u>Reference No.</u>	<u>Description</u>
01A-01-ACDP-IR	Aircraft Flight Request/Schedule

## NOTES



