# Interagency Aviation Training Guide

**Education • Qualification • Currency**

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# Interagency Aviation Training

**A National Interagency System**

**Aviation Use and Management
Qualifications Guide**

**August 2021**

**Prepared by**

**Interagency Aviation Training Subcommittee**

# 2021 Revisions

| ITEM/COURSE | REVISION |
|---|---|
| A-110 Aviation Transportation of Hazardous Materials (HAZMAT) | • A-110 "if applicable" has been removed and is now required per the Part 2 - Position Descriptions and the IAT Position Matrix. |
| IAT Aviation Positions section | • Updated previous "Supervisor" position, to specify a "DOI Supervisor" and a "USDA-FS Supervisor" position in this section. |
| Part 2—Position Descriptions and Required Courses | • Deleted the sentence introducing this section that referred to A-100 as a requirement for positions identified, each position in this section describes where A-100 Basic Aviation Safety training is required.<br>• In the first "Reference" bullet, in the introduction of Part 2, the new Appendix 5 has been added (is similar to the existing Appendix 4 reference).<br>• * Asterisk description bullet has been updated from "required/recommended" to "required", in the introduction of Part 2.<br>• Single "Supervisor" position has been replaced by 2 specific positions: "DOI Supervisor" and "USDA-FS Supervisor", for better clarity of requirements for each position.<br>• USDA-FS Remote Pilot (UAS) position—have added the Forest service reference document location that specifies requirements for this position (FSH 5709.16, Ch. 60) |
| Part 3—Interagency Aviation Training Instructor Certification | • Part 3, B.—steps/sub-steps re-written for better clarity on the process for Instructor Certification Requirements.<br>• Part 3, C.—steps/sub-steps re-written for better clarity on the process for Maintaining IAT Instructor Certification.<br>• Part 3, D.—steps/sub-steps re-written for better clarity on the process for Adjunct Instructors.<br>• Part 3, F.—deleted "requirement for A-223 Instructors to maintain basic water rescue, or lifeguard certification", per OPM-04 update.<br>• Part 3, F. 3.—updated language from "required" to "recommended", for A-223 Instructors to complete a commercial water ditching course at least once. |
| Part 4—Course Catalog | • Course Prerequisites are now listed first in the details listed for each course.<br>• Course Delivery method(s) are now included in the details listed for each course.<br>• For courses which require passing a Final Exam, this requirement is added to the details listed for the course.<br>• Updated Part 4 Introduction Note text content for better clarification regarding Trainee Instructor requirements. |

| ITEM/COURSE | REVISION |
|---|---|
| A-100 Basic Aviation Safety | • Updated A-100 course length from 5 hours to 6 hours.<br>• A-100 (Revised April 2020) incorporates A-116 General Awareness Security Training content. |
| A-102 USDA-FS Alaska Region Fixed-Wing Safety | • A-102 removed from Appendix 2—there is NO specific IAT position that requires this course. (A-102 still listed in Part 4/Course Catalog.) |
| A-103 Temporary Flight Restrictions & Advisory Notices to Airmen (NOTAMs) | • A-103 title and course description updated.<br>• A-103 Prerequisites (reading chapters) have been updated.<br>• A-103 Course length has been updated from 1 to 1.5 hours.<br>• A-103 will be offered only as an online course. |
| A-104 Overview of Aircraft Capabilities & Limitations has been eliminated as a course offering | • All instances of A-104 have been removed from the IAT Guide.<br>• A-204 Manned Aircraft Capabilities & Limitations course now incorporates all A-104 content. |
| A-110 Aviation Transportation of Hazardous Materials (HAZMAT) | • A-110 was revised/certified in Oct. 2020.<br>• A-110 course description updated.<br>• A-110 will be offered as an online course only. |
| A-113 USDA-FS Crash Survival for R-10 (Alaska Region) Employees | • A-113 removed from Appendix 2—there is NO specific IAT position that requires this course. (A-113 still listed in Part 4/Course Catalog.) |
| A-116 General Awareness Security Training | • A-116 incorporated into revised A-100 course and is no longer required.<br>• All instances of A-116 have been removed from the IAT Guide.<br>• A-116 no longer listed as a prerequisite for A-219 course. |
| A-202 Interagency Aviation Organizations | • A-202 course not required for DOI or USDA-FS Remote Pilot (UAS) positions, removed from Part 2—Position Descriptions and Required Courses and Appendix 2— Interagency Aviation Training (IAT) Position Requirements Matrix |
| A-203 Basic Airspace | • A-203 Course description updated.<br>• A-203 Course prerequisites (PMS 520, identified chapters to read) updated.<br>• A-203 will be offered as an online course only. |
| A-204 Manned Aircraft Capabilities & Limitations | • A-204 Course Title renamed throughout guide and course description updated.<br>• A-204 Course prerequisites (A-100 Basic Aviation Safety) updated.<br>• A-104 content incorporated into new A-204 course.<br>• A-204 will be offered as an online course only. |

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|---|---|
| A-218 Aircraft Pre-Use Inspection | • A-218 Soon to be revised as an online course only.<br>• A-218 has no classroom materials available, i.e., Instructor Guide, Student Guide, PowerPoint. |
| A-219 Helicopter Transport of External Cargo | • A-219 a third (optional) bullet item has been added under the Instructor Requirements for an alternative to being evaluated. |
| A-220 Train-the-Trainer | • A-220 Instructor Requirements, #2 clarified wording of this item to show DOI OAS Chief ASTPE "**and**" USDA-FS ATPM. |
| A-223 Water Ditching and Survival Train-the-Trainer | • A-223 content updated as follows:<br>  o IAT Guide Part 3.F.3—Removed the requirement for A-223 instructors to maintain basic water rescue or lifeguard certification.<br>  o IAT Guide Part 3.F.4—Regarding the requirement for A-223 instructors to attend a commercial water ditching facility; changed the language from "required" to "recommended". |
| A-306 Aviation Contract Administration | • A-306 Course Title updated throughout the IAT Guide, removing "Parts I & II"" from the end of the title. |
| A-310 Overview of Crew Resource Management | • A-310 in Part 2—Position Descriptions and Required Courses provided the following clarification: (DOI requirement only) |
| A-312 Water Ditching and Survival | • A-312 - Appendixes A.3, A.4, and A.7 and the Instructor Guide Revision History updated 09/15/2020. |
| A-314 Aviation Program Overview for Forest Service Agency Administrators and Supervisors | • Course Title updated. |
| A-325R Water Ditching and Survival Academic Refresher | • Course description updated. |
| M-3 Aviation Management Training for Supervisors | • Course description updated. |
| N9059 Crew Resource Management 7 Skills | • Added clarification that this course provides a one-way equivalency for A-310. |
| RT9059F Crew Resource Management 7 Skills | • Added clarification that this Refresher (RT) course provides a one-way equivalency for A-310. |
| Appendix 1—IAT Courses - Recommended Delivery Methods | • Title of Appendix 1 updated.<br>• New footnote placed at the bottom of Appendix 1 pages. |
| Appendix 2—IAT Position Requirements | • Title of Appendix 2 updated.<br>• Added UAS positions and course requirements.<br>• New footnotes added at the bottom page of Appendix 2. |

| | |
|---|---|
| Appendix 3—One-Way S-Course (NWCG) to A-Course IAT Equivalency Matrix | • Appendix 3 removed columns and rows where no equivalencies are identified (blank)<br>• NWCG Refresher courses: RT-273 & RT-372 were removed as they do not apply to the content of this Appendix.<br>• Matrix now reads from left to right, the One-Way S-Course (NWCG) on left side to IAT Course on right. |
| Appendix 5— One-Way DOI OEM All-Hazard Position to IAT Position Crosswalk | • Appendix 5 newly added to the IAT Guide to identify crosswalk between IAT positions and DOI OEM All-Hazard positions. |
| NWCG Field Managers Course Guide | • Title updated to: NWCG Standards for Course Delivery, PMS 901-1 |
| Wildland Fire Qualification System (310-1) | • Title updated to: NWCG Standards for Wildland Fire Position Qualifications, PMS 310-1 |

| | | | |
|---|---|---|---|
| **File Code:** | 5700 | **Date:** | March 5, 2021 |
| **Route To:** | | | |

**Subject:**  Approval of the 2021 Interagency Aviation Training Guide

**To:**  Regional Fire Directors, Regional Aviation Officers, and Regional Aviation Safety Managers

The *2021 Interagency Aviation Training Guide* has been updated for agency use and guidance.  This guide replaces the 2019 version.  This approval letter serves to initiate the signature process to finalize the updated 2021 guidance.

The *2021 Interagency Aviation Training Guide* is part of the Interagency Aviation Training, Qualifications, and Currency System for Forest Service natural resource and fire aviation qualifications.  The *Interagency Aviation Training Guide* establishes aviation training standards, qualifications, and training crosswalks from fire to natural resource missions for the U.S. Department of the Interior, U.S. Department of Agriculture's Forest Service, and our partners.  It is recognized and approved by partners and shall be complied with per direction found in the Forest Service Manual 5700 Aviation Management.

I appreciate you sharing this letter with aviation users.  Please direct questions to Aaron Schoolcraft, Branch Chief for Aviation Strategic Planning, Washington Office Fire and Aviation Management at (202) 202-4518 or via e-mail at aaron.schoolcraft@usda.gov.

PATRICIA A. GRANTHAM
Acting Director, Fire and Aviation Management

cc:  Joe Reinarz, Paul Linse, Walter Bundt, Abe Fandrich, John Nelson, Aaron Schoolcraft, Lori Clark, Tonya Rymer

## Table of Contents

# Part 1—Education, Qualification, and Currency System

## Introduction

The Interagency Aviation Training (IAT) Education, Qualification, and Currency System (https://www.iat.gov/) contains established aviation training standards and records for natural resource and firefighting employees within the Department of the Interior (DOI), US Department of Agriculture's Forest Service (USDA-FS), and recognized partners. The Interagency Aviation Training Subcommittee (IATS), Executive Aviation Committee (EAC) and the Executive Aviation Subcommittee (EAS), in conjunction with its partners, provides national leadership to establish and disseminate interagency aviation training standards for natural resource agency personnel in support of safe, effective, and efficient use of aviation resources. Aviation training is the primary, proactive method of improving efficiency and safety through increased employee awareness of agency policy, procedures, and safe practices. The IAT system is managed by the Office of the Secretary's Office of Aviation Services (OAS) and is for all DOI, USDA-FS, and recognized partners, which may include contractors, states, and other federal agencies.

The objectives of this system are:

- Establish minimum training, skills, knowledge, and currency requirements for agency personnel who work with aircraft, or have aviation duties, including managers and supervisors, to accomplish fire and resource (non-fire) missions.

- Provide a forum for interagency coordination in the development and implementation of aviation education, training, and qualification standards.

- Recommend standards and guidelines for aviation training in relation to the Interagency Aviation Training (IAT) Education, Qualification, and Currency System.

- Establish and maintain best practices in education and training methods and techniques. These include direct instruction, web-based distance learning, and the media and technology necessary to support both.

- Establish and maintain minimum interagency standards for aviation qualification, certification, and documentation.

- Establish qualifications and currency standards for interagency aviation trainers (IATs).

# Description of the System

The Interagency Aviation Training system is a "content-based" training system.

The IAT program is a non-fire system, distinct from the National Wildfire Coordinating Group's (NWCG) [NWCG Standards for Wildland Fire Position Qualifications, PMS 310-1](). All wildland fire positions remain under the 310-1 system.

Personnel serving in NWCG positions need only to meet the qualification and currency requirements outlined in the 310-1. However, some 310-1 training courses will supplement or serve as creditable substitutes for training required under the IAT System, and some IAT courses are included in NWCG curricula. Individuals holding current qualification under the Incident Qualification and Certification System (IQCS) (a performance-based system) are also qualified to perform equivalent non-fire, and/or resource aviation positions under IAT guidelines, and DO NOT require additional Interagency Aviation Training. ([See Appendix 3—One-Way S-Course (NWCG) to A-Course IAT Equivalency Matrix]())

Interagency Aviation Training requirements include completion and currency of all required training courses to function in a specific aviation-related position. The aviation training subject matter is designed to be progressive and build upon past training.

## IAT Courses

This system is made up of IAT Courses of specific aviation-related subject matter. Each course is designed to stand alone or can be combined with other courses to create a curriculum-like approach. Courses are provided in a variety of methods: Aviation Centered Education (ACE), Instructor Led/Classroom, Online, Webinar, etc.

## Equivalencies

Requests for course or instructor equivalencies, for the Department of the Interior (DOI) and US Department of Agriculture's Forest Service (USDA-FS) shall be routed to the DOI Office of Aviation Services (OAS) Chief, Aviation Safety, Training, and Program Evaluations Division (ASTPE), or USDA-FS Aviation Training Program Manager (ATPM), through the employees chain of command (e.g., Supervisor, Bureau/Regional Aviation Manager (BAM/RAM), National Aviation Manager (NAM). Requests shall contain approved supporting documents, documentation should include a course description, course objectives, and course length as stated by the course provider.

## Responsibilities

The education, training, and qualification of personnel at all organizational levels are the responsibility of management. Managers and supervisors must be aware of policy as it relates to aviation programs for which they are responsible. Oversight of this critical aviation accident prevention effort requires a balanced partnership between DOI/USDA-FS aviation management and bureau/agency management.

Bureau/Agency Responsibilities: Bureau/agency managers are responsible for ensuring that all employees involved in the use or control of aviation resources receive an appropriate level of aviation safety training. The education and training listed in this document are the minimum for promoting aircraft accident prevention awareness and developing operational and management skills. Identification, development, and presentation by bureaus/agencies of additional training unique to their specific programs shall be accomplished as required.

Bureaus/Agencies shall:

1. Ensure managers provide adequate resources and time for employees and/or those over whom they have operational control (volunteers, cooperators, students, etc.) to effectively perform their jobs in a safe manner.

2. Ensure employees, volunteers, cooperators, students, etc. have received required aviation training prior to participating in, or overseeing, aviation operations.

3. Ensure bureau/agency aviation training instructors are certified per this document and comply with required course management processes.

4. Designate bureau/agency aviation personnel to coordinate with OAS Training Branch (OAS-TB) in the development and implementation of aviation training courses.

5. Provide bureau/agency representation to aviation training workgroups and the Interagency Aviation Training Subcommittee (IATS), as required.

## Currency Requirements

Certain courses require currency and must be repeated as indicated in the position descriptions and the IAT Position Requirements Matrix (e.g., 2 - every two years; 3 - every three years). Courses marked with an X in the matrix require completion only one time.

# IAT Aviation Positions

The positions listed below require specific skills and knowledge to perform aviation duties and ensure safety. Personnel shall only be assigned to positions in which they have been successfully trained (and are qualified and current).
[Click the titles below to see the requirements for each position.]

It is up to the USDA-FS and each DOI bureau to determine positions they will utilize, based on organizational needs and mission objectives, as identified in agency policy documents.

Aircrew Member

Aviation Dispatcher

Aviation Manager

Fixed-Wing Flight Manager

Fixed-Wing Flight Manager - Special Use

Flight Follower

Helicopter Flight Manager (DOI Only)

Helicopter Manager - Resource

Line Manager (DOI Only)

Project Aviation Manager

DOI Supervisor

USDA-FS Supervisor

DOI Remote Pilot (UAS)

USDA-FS Remote Pilot (UAS)

# Part 2—Position Descriptions and Required Courses

Given the diversity of aviation programs across the DOI and USDA-FS, it is recommended that users contact their agency aviation management to determine what positions they will be expected to fulfill to complete their missions.

There are five positions which have required training for DOI and other personnel participating in manned and unmanned aircraft activities. These five positions are: Aircrew Member, Aviation Manager, Flight Follower, Line Manager, and DOI Supervisor.

All managers and supervisors having oversight of personnel and programs using aviation resources for mission accomplishment, must comply with required aviation training.

Individuals identified in more than one position in the matrix (e.g., Supervisor and Aviation Manager), must take the required training for all positions that apply.

Training requirements may be more restrictive based on bureau/agency policy and procedures.

- **Reference: Appendix 4—One-Way NWCG Position to IAT Position Crosswalk**
  **Appendix 5—One-Way DOI OEM All-Hazard Position to IAT Position Crosswalk**

- **Note: (3) = Training recurrence every three (3) years, (2) = Training recurrence every two (2) years, otherwise required completion only one time.**

- **\* (asterisk) Indicates courses with prerequisite training required prior to attendance**

| Aircrew Member | |
|---|---|
| Personnel (not pilot/passenger) required to either be on board the aircraft/or attend to the loading and unloading of passengers and cargo at all landings and takeoffs and ensure that passengers have received a safety briefing prior to all missions. In addition, they perform an active mission function during a flight to ensure the successful outcome of the mission. | |
| ***Required Training:*** | |
| A-100 (3) | Basic Aviation Safety |
| A-110 (3) | Aviation Transportation of Hazardous Materials |
| A-200 (3) | Mishap Review |
| A-219* | Helicopter Transport of External Cargo (if applicable) |

## Aviation Dispatcher

A dispatcher who may receive, process, and place orders for aircraft, provide flight following, and other aviation support services.

### Required Training:

| | |
|---|---|
| A-100 (3) | Basic Aviation Safety |
| A-103 | Temporary Flight Restrictions & Advisory Notices to Airmen (NOTAMs) |
| A-107 | Aviation Policy and Regulations I |
| A-109 | Aviation Radio Use |
| A-110 (3) | Aviation Transportation of Hazardous Materials |
| A-112 | Mission Planning and Flight Request Process |
| A-115 | Automated Flight Following |
| A-200 (3) | Mishap Review |
| A-202 | Interagency Aviation Organizations |
| A-203* | Basic Airspace |
| A-204 | Manned Aircraft Capabilities and Limitations |
| A-205 | Risk Management I |
| A-207 | Aircraft Flight Scheduling |
| A-208 | Aircraft and Pilot Approval |
| A-303 | Human Factors in Aviation |
| A-305* | Risk Management II |
| A-307* | Aviation Policy and Regulations II |

## Aviation Manager

A person with aviation management responsibilities for an aviation program at the unit, state, regional, or national level serves as the focal point for aviation services and management. These include such positions as Unit Aviation Officer (UAO), Forest Aviation Officer (FAO), Unit Aviation Manager (UAM), state, regional, and national aviation program managers, and helicopter and fixed-wing operations specialists.

| *Required Training:* | |
|---|---|
| A-100 | Basic Aviation Safety |
| A-103 | Temporary Flight Restrictions & Advisory Notices to Airmen (NOTAMs) |
| A-107 | Aviation Policy and Regulations I |
| A-110 | Aviation Transportation of Hazardous Materials |
| A-112 | Mission Planning and Flight Request Process |
| A-115 | Automated Flight Following |
| A-200 (3) | Mishap Review |
| A-202 | Interagency Aviation Organizations |
| A-203* | Basic Airspace |
| A-204 | Manned Aircraft Capabilities and Limitations |
| A-205 | Risk Management I |
| A-208 | Aircraft and Pilot Approval |
| A-218 | Aircraft Pre-Use Inspection |
| A-302 | Personal Responsibility and Liability |
| A-303 | Human Factors in Aviation |
| A-305* | Risk Management II |
| A-306 | Aviation Contract Administration |
| A-307* | Aviation Policy and Regulations II |
| A-310 | Overview of Crew Resource Management (DOI requirement only) |
| A-311* | Aviation Planning |
| *Required Training for USDA-FS:* | |
| N9059* | Crew Resource Management 7 Skills (N9059 provides a one-way equivalency for A-310) |

## Fixed-Wing Flight Manager

A government representative who works jointly with the pilot-in-command and aircrew members to ensure safe, efficient flight management on point-to-point flights. This position does not include Special Use operations. The Flight Manager is not required to be on board for most flights. For flights that have multiple legs, or are complex in nature, a Flight Manager should be present on the entire flight.

### *Required Training:*

| | |
|---|---|
| A-100 (3) | Basic Aviation Safety |
| A-109 | Aviation Radio Use |
| A-110 (3) | Aviation Transportation of Hazardous Materials |
| A-112 | Mission Planning and Flight Request Process |
| A-200 (3) | Mishap Review |

## Fixed-Wing Flight Manager - Special Use

A government representative who works jointly with the pilot-in-command and aircrew members to ensure safe, efficient flight management of missions other than point-to-point flying (e.g. reconnaissance, infrared, aerial photo), and other missions requiring special training and/or equipment. Refer to specific agency policy for a complete listing of Special Use missions.

### *Required Training:*

| | |
|---|---|
| A-100 (3) | Basic Aviation Safety |
| A-109 | Aviation Radio Use |
| A-110 (3) | Aviation Transportation of Hazardous Materials |
| A-112 | Mission Planning and Flight Request Process |
| A-115 | Automated Flight Following |
| A-200 (3) | Mishap Review |
| A-204 | Manned Aircraft Capabilities and Limitations |
| A-205 | Risk Management I |
| A-218 | Aircraft Pre-Use Inspection |
| A-302 | Personal Responsibility and Liability |
| A-303 | Human Factors in Aviation |
| A-310 | Overview of Crew Resource Management (DOI requirement only) |

### *Required Training for USDA-FS:*

| | |
|---|---|
| N9059 | Crew Resource Management 7 Skills (N9059 provides a one-way equivalency for A-310) |

## Flight Follower

A government employee who is responsible for monitoring aircraft flight activities in accordance with DOI/bureau and USDA-FS policies. They may work in a Dispatch Center, or at a remote location, where they monitor flights by radio or satellite tracking systems, and could initiate an aircraft mishap emergency response, when needed. Additional training may be specified by each bureau or agency.

| *Required Training:* | |
|---|---|
| A-100 (3) | Basic Aviation Safety |
| A-107 | Aviation Policy and Regulations I |
| A-109 | Aviation Radio Use |
| A-115 | Automated Flight Following |
| A-200 (3) | Mishap Review |
| A-204 | Manned Aircraft Capabilities & Limitations |
| A-207 | Aircraft Flight Scheduling |

## Helicopter Flight Manager (DOI)

An individual who supervises missions limited to: Point-to-Point transport of personnel to/from a developed heliport/helibase or airport, reconnaissance missions below and/or above 500 ft. AGL, landings at/or takeoffs from improved or unimproved sites.

| *Required Training:* | |
|---|---|
| A-100 (3) | Basic Aviation Safety |
| A-109 | Aviation Radio Use |
| A-110 (3) | Aviation Transportation of Hazardous Materials |
| A-112 | Mission Planning and Flight Request Process |
| A-115 | Automated Flight Following |
| A-200 (3) | Mishap Review |
| A-204 | Manned Aircraft Capabilities and Limitations |
| A-205 | Risk Management I |
| A-209 | Helicopter Operations |

## Helicopter Manager - Resource

Is responsible for coordinating, scheduling, managing, and supervising non-fire resource helicopter operations. Fire Helicopter Manager training and experience requirements are found in the PMS 310-1 and specific agency and bureau policies.

| *Required Training:* | |
|---|---|
| A-100 (3) | Basic Aviation Safety |
| A-107 | Aviation Policy and Regulations I |
| A-109 | Aviation Radio Use |
| A-110 (3) | Aviation Transportation of Hazardous Materials |
| A-112 | Mission Planning and Flight Request Process |
| A-115 | Automated Flight Following |
| A-200 (3) | Mishap Review |
| A-204 | Manned Aircraft Capabilities and Limitations |
| A-205 | Risk Management I |
| A-209 | Helicopter Operations |
| A-218 | Aircraft Pre-Use Inspection |
| A-219* | Helicopter Transport of External Cargo (if applicable) |
| A-302 (3) | Personal Responsibility and Liability |
| A-303 (3) | Human Factors in Aviation |
| A-304 | Aircraft Maintenance |
| A-305* | Risk Management II |
| A-307* (3) | Aviation Policy and Regulations II |
| A-309 (3) | Helicopter Flight Manual |
| A-310 (3) | Overview of Crew Resource Management (DOI requirement only) |
| A-311* | Aviation Planning |
| *Required Training for USDA-FS:* | |
| N9059 | Crew Resource Management 7 Skills (N9059 provides a one-way equivalency for A-310) |
| RT9059F (3) | Crew Resource Management 7 Skills (RT9059F provides a one-way equivalency for A-310) |

## Helicopter Manager - Resource *contd.*

*Other Training that will satisfy the requirement for Helicopter Manager-Resource (Agency/Bureau specific)*

| | |
|---|---|
| S-271 | Helicopter Crewmember |
| S-372 | Helicopter Management **AND** Completion and Certification of NWCG Helicopter Manager, Single Resource (HMGB) Position Task Book OR All Hazard/Resource Helicopter Manager Task Book (Agency/Bureau specific) |
| RT-372 (3) | Helicopter Manager Workshop (3) to maintain currency (Agency/Bureau specific) |

## Line Manager (DOI)

Those who are responsible and accountable for using aviation resources to support bureau programs. Knowledge required includes familiarization with the DOI aviation management program, policies, and related requirements and responsibilities. Line Managers must complete the M-2 Aviation Management Line Managers Briefing or complete the M-3 Aviation Management for Supervisors course ever 3 years (per OPM-04).

***Required Training:***

| | |
|---|---|
| M-2 (3) | Aviation Management Line Managers Briefing |
| **OR** | |
| M-3 (3) | Aviation Management for Supervisors |

## Project Aviation Manager

An individual who plans, organizes, and manages the aviation operations of a project utilizing aircraft. The Project Aviation Manager may, or may not, be at the site.

| *Required Training:* | |
|---|---|
| A-100 | Basic Aviation Safety |
| A-107 | Aviation Policy and Regulations I |
| A-109 | Aviation Radio Use |
| A-110 (3) | Aviation Transportation of Hazardous Materials |
| A-112 | Mission Planning and Flight Request Process |
| A-200 (3) | Mishap Review |
| A-204 | Manned Aircraft Capabilities and Limitations |
| A-205 | Risk Management I |
| A-218 | Aircraft Pre-Use Inspection |
| A-302 | Personal Responsibility and Liability |
| A-305* | Risk Management II |
| A-307* | Aviation Policy and Regulations II |
| A-310* | Overview of Crew Resource Management (DOI requirement only) |
| A-311* | Aviation Planning |
| *Required Training for USDA-FS:* | |
| N9059 | Crew Resource Management 7 Skills<br>(N9059 provides a one-way equivalency for A-310) |
| RT9059F (3) | CRM 7 Skills Refresher<br>(RT9059F provides a one-way equivalency for A-310) |

## DOI Supervisor

Those who supervise employees who use aircraft to support agency programs (first and second level supervisors as determined by the agency). Knowledge required includes aviation safety, policy, risk management, and supervisory responsibilities.

| *DOI Required Training:* | |
|---|---|
| A-200 (3) | Mishap Review |
| M-3 (3) | Aviation Management for Supervisors |

## USDA-FS Supervisor

A supervisor in this context is one who supervises an employee who performs aviation duties as part of their primary or collateral duties. Both the Supervisor and the employee being supervised are Forest Service employees. Examples of employees who perform aviation duties include but are not limited to: Forest/Unit Aviation Officer, Helicopter Manager, Air Tactical Group Supervisor, Air Tanker Base Manager, Fixed-Wing Flight Manager, UAS Pilot, and employees required to complete aviation training to meet agency objectives.

| *USDA-FS Required Training:* | |
|---|---|
| A-200 (3) | Mishap Review |
| A-314 (3) | Aviation Program Overview FS Agency Administrators and Supervisors |

## DOI Remote Pilot (UAS)

DOI personnel who fly UAS on behalf of the Department of the Interior, must be trained per [OPM-11 DOI Use of Unmanned Aircraft Systems (UAS)](#).

| *Required Training:* | |
|---|---|
| A-100 (3) | Basic Aviation Safety |
| A-110 | Aviation Transportation of Hazardous Materials |
| A-200 (3) | Mishap Review |
| A-203* | Basic Airspace |
| A-450* | Small Unmanned Aircraft System (sUAS) Basic Remote Pilot Course |
| A-452R* (2) | Small Unmanned Aircraft System (sUAS) Remote Pilot Refresher Training |

## USDA-FS Remote Pilot (UAS)

USDA-FS personnel who fly UAS on behalf of the USDA-FS, must be trained per agency UAS policy. ([FSH 5709.16, Chapter 60](#))

| *Required Training:* | |
|---|---|
| A-100 (3) | Basic Aviation Safety |
| A-110 | Aviation Transportation of Hazardous Materials |
| A-200 (3) | Mishap Review |
| A-203* | Basic Airspace |
| A-205 | Risk Management I |
| A-450* | Small Unmanned Aircraft System (sUAS) Basic Remote Pilot Course |
| A-452R* (2) | Small Unmanned Aircraft System (sUAS) Remote Pilot Refresher Training |
| N9059 | Crew Resource Management 7 Skills<br>(N9059 provides a one-way equivalency for A-310) |
| RT9059F (3) | CRM 7 Skills Refresher<br>(RT9059F provides a one-way equivalency for A-310) |

# Part 3—Interagency Aviation Training Instructor Certification

**1.** Individuals certified to instruct the Interagency Aviation Training Program curriculum will be approved to teach courses based on the following approved process per the Interagency Aviation Subcommittee. This is also defined in the *OPM-04 Aviation User Training Program* for the Department of the Interior.

## A. Objective

This part identifies minimum qualifications for instructors of courses within the Interagency Aviation Training Program. Because of the complexity and/or technicality of aviation skills needed to perform aviation missions, instructors need to possess certain knowledge, skills, and abilities to ensure information is being presented in an effective manner. Individuals who meet these standards will be approved as an instructor, authorized to instruct specific IAT courses, and provided instructor access to the Interagency Aviation Training (IAT) website.

Qualified instructors who have taught a course within the currency requirement period will receive credit for completing that course.

Individuals instructing NWCG aviation courses are required to meet instructor qualifications identified in the *NWCG Standards for Course Delivery, PMS 901-1*, or individual course instructor guides.

## B. Instructor Certification Requirements

1) Agency and supervisor approval.

2) Completion or approval of one of the following instructor training paths:

   a. A-220 Train-the-Trainer or

   b. M-410 Facilitative Instructor and A-225 IAT Instructor Update or

   c. Instructor training course equivalent or experience, and A-225. In lieu of completing A-220 or M-410, potential instructors may request course/ experience equivalency from their respective DOI Chief ASTPE or USDA-FS National Aviation Training Program Manager (USDA-FS ATPM). Requests should be routed and supported through the bureau/agency national aviation manager.

3) The instructor candidate must have successfully completed the course they plan to instruct within 36 months preceding their evaluation.

4) Prior to an Instructor being certified as fully qualified to instruct an IAT course they must be evaluated by the DOI OAS Training Branch (TB), USDA-FS National Aviation Training Program Manager (USDA-FS ATPM), or an Agency/Bureau designee. Designee approval must be requested using the following:

    a. The OAS-107 Designated IAT Instructor Evaluator form. Completed OAS-107 form is to be routed through the Agency/Bureau - Training Points of Contact for signature, and forward to the OAS-TB at IAT_Admin@ios.doi.gov

    b. Instructor evaluators will complete, sign and submit the following form OAS-105 Interagency Aviation Training (IAT) Instructor Evaluation to the DOI OAS Training Branch (TB) or USDA-FS National Aviation Training Program Manager (USDA-FS ATPM) with a recommendation for instructor certification.

    c. A separate evaluation and OAS-105 form must be completed for each IAT course an instructor plans to instruct.

    d. Some courses may require additional instructor prerequisites or qualifications. See Interagency Aviation Training Guide, Part 4/Course Catalog for those specific instructor requirements.

    e. Instructors who need assistance arranging an evaluation may contact the OAS Training Specialist, see Agency/Bureau - Training Points of Contact assigned to their agency/bureau and area of the country.

5) Upon receipt of an evaluation, with a recommendation for instructor certification from FS-ATPM and DOI OAS TB, instructors will be authorized to instruct the IAT course for which they were evaluated.

## C. Maintaining Interagency Aviation Training Instructor Certification

Instructors must meet the following requirements to maintain certification:

1) Have agency and supervisor approval.

2) Teach at least one IAT course for which they are qualified every 36 months.

3) Complete the following course management processes:

   a. Register class offering on the Interagency Aviation Training (IAT) website.

   b. Collect completed OAS-111, Interagency Aviation Training Course Evaluation forms.

   c. Within 90 days of a course offering completion:

   - Complete the course offering's roster within the IAT website (Pass/Fail/No-Show)

   - Submit a scanned copy of the OAS-106 Aviation Course Presentation Record (Sign-In Sheet) to IAT_Admin@ios.doi.gov for archival storage.

   - Submit a completed OAS-113 IAT Summary Course Feedback Form (Part A) which summarizes all student feedback the instructor received on the OAS-111 forms.

   - Optionally Submit the OAS-113 IAT Instructor Course Feedback Form (Part B).

4) Complete the A-225 IAT Instructor Update course every 36 months.

5) Instructors who fail to meet these requirements will be unable to schedule a course offering on the IAT website. Instructors who are not able to maintain instructor certification need to work with their Agency/Bureau aviation manager in partnership with OAS-TB to demonstrate knowledge and competency for recertification.

## D. Adjunct Instructors

Adjunct Instructors may be utilized to provide limited instruction in specialized knowledge and skills at the discretion of the lead instructor or course coordinator. Adjunct instructors must be experienced, proficient, and knowledgeable of current issues in their field of expertise. (Examples of this might include Subject Matter Experts, Contracting Officers, Solicitors, Pilot Inspectors, Maintenance Inspectors, and Accident Investigators.) Adjunct approval must be requested using the following form:

1) The completed OAS-108 IAT Adjunct Instructor Approval form is to be routed through the Agency/Bureau - Training Points of Contact for signature, and forward to the OAS-TB at IAT_Admin@ios.doi.gov.

2) Adjunct Instructors are recommended to be evaluated teaching a course and to complete the A-225 IAT Instructor Update course every three years in addition to the submission of the approval form.

## E. Water Ditching and Survival Instructors

Individuals certified to instruct the course A-312 Water Ditching and Survival.

**Objective:** The following identifies the minimum aviation management training qualifications for instructors to teach the A-312 course.

**Certification:** The following requirements (steps 1 through 5) do not need to be completed in sequence:

1) Meet criteria above, in Part 3 (1) (B)

2) Successfully complete the A-312 course, as a student.

3) Hold a current Adult CPR, AED, and Basic First-Aid certificate.

4) Must complete A-223 Water Ditching and Survival Train-the-Trainer.

5) Complete the A-312 Instructor Trainee Task Book.

6) Must be evaluated instructing the A-312

   a. The final instructor certification will be documented on the OAS-105 Interagency Aviation Training (IAT) Instructor Evaluation form by an A-223 Water Ditching and Survival Train-the-Trainer instructor or an Agency/Bureau designee.

   b. Designee approval must be requested using the following OAS-107 Designated IAT Instructor Evaluator form. Completed OAS-107 form is to be routed through the Agency/Bureau - Training Points of Contact for signature and forward to the OAS-TB at IAT_Admin@ios.doi.gov.

7) A-312 classes shall be limited to a maximum of TWO instructor trainees.

**Currency:**

1) Instructors must meet the requirements in Part 3 (1) (C). Maintaining Interagency Aviation Training Instructor Certification.

2) Co-instruct an A-312 once every 36 months.

3) Provide copies of current CPR, AED and First-Aid certificates to OAS-TB at IAT_Admin@ios.doi.gov.

**Recertification:** Instructors who have not maintained currency (excluding First-Aid, CPR, AED) must meet the following requirements to recertify:

1) Contact OAS-TB/Bureau Aviation Manager/USDA-FS Aviation Training Program Manager (USDA-FS ATPM) to initiate recertification.

2) Demonstrate knowledge and competency to an OAS-TB, or a USDA-FS A-223 instructor or approved designee. Designee approval must be requested using the following: OAS-107 Designated IAT Instructor Evaluator form Completed OAS-107 form is to be routed through the Agency/Bureau - Training Points of Contact for signature and forward to the OAS-TB at IAT_Admin@ios.doi.gov.
(This may be accomplished by instructing an A-312 course.)

## F.  A-223 Water Ditching and Survival Train-the-Trainer Instructor

Individuals certified to instruct the course A-223.

**Objective:** Demonstrate skill in presenting the A-223 course curriculum and safety procedures associated with providing pool exercises.

**Certification:** Instructors must be:

1) Meet criteria above in Part 3 (1) (B) (C)

2) Qualified and current as an A-312 Water Ditching & Survival Instructor.

3) A-223 Instructors are recommended to complete a commercial water ditching course at least once. Courses will be approved by OAS-TB, Bureaus, or the USDA-FS. Commercial course curriculum shall be provided to OAS for informational purposes and to ensure there are no conflicts between commercial course instruction and agency instruction.

4) OAS-TB Training Specialists are required to complete a commercial water ditching course once every 36 months.

# Part 4—Course Catalog

This Course Catalog provides the following information for each course shown:

- Course Code and Course Title
- Purpose (Course Description)
- Course Prerequisites
- Course Length (Hours)
- Delivery Method
- Final Exam (Online Classes)
- Instructor Requirements

*Note: Trainee instructors must instruct with a fully qualified instructor and be evaluated successfully. [See Part 3 (1) (B) (C)]*

## *100 Level Courses*

*All 100-Level courses are available online at the Interagency Aviation Training (IAT) website and many are also offered as Instructor-Led (classroom) classes, Webinar classes, or at ACE Workshop Events.*

[Interagency Aviation Training (IAT) website](#)

### A-100    Basic Aviation Safety (All Aircraft)

The purpose of this course is to provide the aviation user with a foundation of knowledge, skills, and abilities, to safely utilize aircraft to accomplish agency missions. Topics include Mission Preparation and Planning, Pilot and Aircraft Briefings, Operational Safety, Post-Flight Duties, and Unmanned Aviation Systems (UAS).

*Note: A-100 now Incorporates A-116 General Awareness Security Training, which is no longer a separate course.*

**Course Prerequisites:** None

**Course Length:** 6 hours (classroom)

**Delivery Method:** Classroom, Online

**Final Exam:** Required for online version only

## A-102    USDA-FS Alaska Region Fixed-Wing Safety

This course was specifically designed for US Department of Agriculture's Forest Service (USDA-FS) employees that utilize aircraft in the Alaska Region (Region 10) of the USDA-FS.

**Course Prerequisites:** None

**Course Length:** 1 hour

**Delivery Method:** Online

**Final Exam:** Required

## A-103    Temporary Flight Restrictions and Advisory Notices to Airmen (NOTAMs)

This course will give students an understanding of the National Airspace System (NAS), FAA Notices to Airmen (NOTAM) System, and Temporary Flight Restrictions (TFRs) that contribute to the flow of all air traffic safely in an effort to prevent mid-air collisions.

**Course Prerequisites:** Read Chapters 6 & 7 of: [NWCG Standards for Airspace Coordination](NWCG Standards for Airspace Coordination)

**Course Length:** 1.5 hours

**Delivery Method:** Online

**Final Exam:** Required

## A-107    Aviation Policy and Regulations I

This course provides a basic overview of agency aviation policy and standards and where to find them. The course covers agency and interagency manuals, handbooks, and guides as well as a brief summary of the Federal Aviation Regulations (FARs).

**Course Prerequisites:** None

**Course Length:** 1 hour

**Delivery Method:** Online

**Final Exam:** Required

## A-109    Aviation Radio Use

This course provides a basic understanding on the operation of aircraft radios, including:

- VHF-AM
- Multi-channel Radios
- Agency required Radios

Also covers:

- Communications Requirements
- Radio Tones and their use
- Communications Systems within aircraft

And includes:

- Use of Air Guard
- Frequency Management
- Radio Discipline

**Course Prerequisites:** None

**Course Length:** 2 hours

**Delivery Method:** Online

**Final Exam:** Required

## A-110   Aviation Transportation of Hazardous Materials (HAZMAT)

The Aviation Transportation of Hazardous Materials course purpose is to ensure flight safety when transporting hazardous materials (HAZMAT). This includes HAZMAT aboard, attached to, or suspended from government aircraft, under the exclusive direction and operational control of the Department of the Interior (DOI), the US Department of Agriculture's Forest Service (USDA-FS), or other Grantees with a written Grantee Status.

This training complies with the US Department of Transportation (DOT) Regulations General Requirements, whereby agency employees who transport hazardous materials by air must receive training on the requirements and conditions under the terms of the DOT Special Permit-9198.

Topics may include:

- Handling Procedures
- Policy Requirements
- Mishap Notification
- Packaging
- Identifying Hazardous Materials
- Safety Requirements

**Course Prerequisites:** None

**Course Length:** 2 hours

**Delivery Method:** Online

**Final Exam:** Required

## A-112     Mission Planning and Flight Request Process

This course covers the basic duties and responsibilities required when ordering and coordinating flights.

Topics include:

- How to Plan for a Flight
- Information Required to Order a Flight
- Flight Manager Responsibilities
- Flight Following Requirements
- Pilot Flight and Duty Limitations
- Pilot and Aircraft Approval

**Course Prerequisites:** None

**Course Length:** 1 hour

**Delivery Method:** Online

**Final Exam:** Required


## A-113     USDA-FS Crash Survival for R-10 (Alaska Region) Employees

This course was specifically designed for US Department of Agriculture's Forest Service (USDA-FS) employees that utilize aircraft in the Alaska Region (Region 10) of the USDA-FS.

**Course Prerequisites:** None

**Course Length:** 1 hour

**Delivery Method:** Online

**Final Exam:** Required


## A-115     Automated Flight Following (AFF)

This course provides an overview of the AFF system. Emphasis is on using the web-based application and the procedures utilized by dispatchers and aircrews.

**Course Prerequisites:** None

**Course Length:** 2 hours

**Delivery Method:** Online

**Final Exam:** Required

## A-117    Fixed-Wing Hand Signals

This course provides a fundamental understanding of standard aircraft marshalling hand signals to be utilized by Fixed-Wing Parking Tenders. The role of the Fixed-Wing Parking Tender (FWPT) is an important element of managing aircraft movement in the vicinity of the ramp. The aircraft FWPT provides the essential visual link to assist the flight crew in positioning the aircraft correctly. The responsibility for the safe operation of the aircraft on the ground rests with the flight crew, however, the ground crew, including FWPTs, have the duty of care to provide the flight crew with the correct guidance information. In addition, to ensure that the possibility of accidental damage is mitigated with the use of best practices at all times.

**Course Prerequisites:** None

**Course Length:** 1 hour

**Delivery Method:** Online

**Final Exam:** Required

# *200 Level Courses*

*All 200-Level courses may be available online at the Interagency Aviation Training (IAT) website and offered as Instructor-Led (classroom) classes, Webinar classes, or at ACE Workshop Events.*

[Interagency Aviation Training (IAT) website](#)

## A-200　　Mishap Review

This course provides an annual overview of the National Transportation Safety Board releasable information from the DOI and USDA-FS aviation mishaps and lessons learned. Instructors authorized to teach this course are required to coordinate with the appropriate agency DOI OAS Chief ASTPE, or USDA-FS Regional Aviation Safety Manager (RASM). For additional USDA-FS information, contact the USDA-FS ATPM.

**Course Prerequisites:** None

**Course Length:** 2 hours

**Delivery Method:** Classroom, Online

**Final Exam:** Required

**Instructor Requirements:**

1. Reference Part 3 (1) (B) (C) of IAT Guide

2. Requests to offer Instructor-Led Presentation:

    a. **DOI content:** Authorization by the DOI OAS Chief ASTPE:

        i. For Bureau Aviation Safety Managers, Annually

        ii. For other DOI personnel, per course offering

    b. **USDA-FS content:** Authorization from RASM or USDA-FS ATPM, Annually

## A-202　　Interagency Aviation Organizations

This course is designed to provide participants with knowledge of the aviation management organizations within the Department of the Interior (DOI) and the US Department of Agriculture's Forest Service (USDA-FS).

**Course Prerequisites:** None

**Course Length:** 1 hour

**Delivery Method:** Classroom, Online

**Final Exam:** Required

**Instructor Requirements:** Reference Part 3 (1) (B) (C) of IAT Guide

## A-203      Basic Airspace

This course covers provides students an understanding of the National Airspace System (NAS) that contributes to the flow of all air traffic safely in an effort to protect persons, property, and prevent mid-air collisions. The course presents basic airspace information as it might pertain to land management agencies.

Instruction will include how to read and plot on an aeronautical sectional and a Department of Defense (DOD) AP1/B flight information publication book and charts. The class focuses on mapping skills, including how to plot a latitude and longitude and convert it to a bearing and distance. Exercises involve map reading and risk management analysis of airspace.

**Course Prerequisites:** Read Chapters 3, 4, 5, & 7 of: [NWCG Standards for Airspace Coordination](#)

**Course Length:** 3 hours

**Delivery Method:** Online

**Final Exam:** Required


## A-204      Manned Aircraft Capabilities and Limitations

This course provides a fundamental understanding of aircraft performance, capabilities and limitations derived from the basics of aerodynamics, aircraft structure, and flight controls for both helicopters and fixed-wing aircraft. Understanding these parameters provides the knowledge to select the best aircraft to utilize for each mission.

This course stresses the fundamentals of aircraft performance planning, to include:

- Weight
- Balance
- Environmental Factors

**Course Prerequisites:** A-100 Basic Aviation Safety

**Course Length:** 2 hours

**Delivery Method:** Online

**Final Exam:** Required

## A-205    Risk Management I

This course provides a basic introduction to Risk Management, Safety Management Systems (SMS), and Operational Risk Management (ORM), and the ability to apply these principles in Bureau/Agency aviation environments.

**Course Prerequisites:** None

**Course Length:** 2 hours

**Delivery Method:** Classroom

**Instructor Requirements:** Reference Part 3 (1) (B) (C) of IAT Guide

## A-207    Aircraft Flight Scheduling

This course provides a basic understanding of policies and procedures so the student can successfully participate in the planning, scheduling, tracking, and completion of an aircraft flight plan.

**Course Prerequisites:** None

**Course Length:** 1 hour

**Delivery Method:** Online

**Final Exam:** Required

## A-208    Aircraft and Pilot Approval

The purpose of this course is to provide an understanding of policy requirements and benefits associated with approving the following, prior to the agency/bureau mission:

- Aircraft
- Pilots
- Mechanics
- Support Equipment

**Course Prerequisites:** None

**Course Length:** 3 hours

**Delivery Method:** Classroom

**Instructor Requirements:** Reference Part 3 (1) (B) (C) of IAT Guide

## A-209    Helicopter Operations

This course provides technical training on how to work with helicopters in a natural resource environment. Includes information on:

- Operational Planning
- Load Calculations
- Takeoff and Landing Areas
- Personnel and Cargo Transportation
- Fueling
- Specialized Missions

**Course Prerequisites:** None

**Course Length:** 8 hours

**Delivery Method:** Classroom

**Instructor Requirements:**

1. Reference Part 3 (1) (B) (C) of IAT Guide
2. Qualified and current as a Helicopter Manager - Resource (IAT) or Helicopter Manager (HMGB-NWCG)


## A-218    Aircraft Pre-Use Inspection

This course shows how to perform pre-use inspection on a helicopter and on a fixed-wing aircraft.

**Course Prerequisites:** None

**Course Length:** 30 minutes

**Delivery Method:** Online

**Final Exam:** Required

## A-219    Helicopter Transport of External Cargo

This course provides technical training and procedures for agency personnel performing helicopter external load operations. Participants will receive classroom and field training and will be asked to demonstrate proper procedures to safely conduct helicopter external load operations. Participants will be given the opportunity to develop the skills to safely perform hover hookups and/or longline operations, via a live helicopter. The Instructor may choose to incorporate one or both activities.

**Course Prerequisites:**

- A-100 Basic Aviation Safety

- A-110 Aviation Transportation of Hazardous Materials (HAZMAT)

- A-200 Mishap Review

**Course Length:** 8 hours

**Delivery Method:** Classroom + Field Exercises

**Instructor Requirements:**

1. Reference Part 3 (1) (B) (C) of IAT Guide

2. Qualified and current as a Helicopter Manager - Resource (IAT), Helicopter Flight Manager (DOI) or Helicopter Manager (HMGB-NWCG)

3. Optional: IAT Instructors may forward a copy of their IQCS (NWCG) Master Record listing them as a **"Lead"** instructor for A-219 or S-271, in lieu of an OAS-105 evaluation, to the IAT Administrator at: IAT_Admin@ios.doi.gov

## A-220    Train-the-Trainer

Interagency Aviation Trainer (IAT) qualification. This 32-hour course is designed to provide training to select employees with aviation and training backgrounds to qualify them as Interagency Aviation Trainers (IATs). Course emphasis is on increasing program knowledge and enhancing presentation skills.

**Course Prerequisites:**

- A-100 Basic Aviation Safety course completion within the past 12 months

**Course Length:** 32 hours

**Delivery Method:** Classroom

**Instructor Requirements:**

1. Reference Part 3 (1) (B) (C) of IAT Guide

2. Scheduling this course requires coordination with the DOI OAS Chief ASTPE and USDA-FS ATPM.

## A-223     Water Ditching and Survival Train-the-Trainer

The purpose of this course is to provide participants with the knowledge and skills to safely instruct the A-312 Water Ditching & Survival course. Scheduling this course requires authorization from the DOI OAS Chief ASTPE, or USDA-FS ATPM.

**Course Prerequisites:** Successful completion of the A-312 course within 36 months prior to A-223 attendance (no equivalency allowed).

**Course Length:** 32 hours

**Delivery Method:** Classroom

**Instructor Requirements:**

1. Reference Part 3 (1) (E) of IAT Guide

2. Requires authorization from the DOI OAS Chief ASTPE, or USDA-FS ATPM

## A-225     IAT Instructor Update

This course designed to assist students with maintaining currency as an IAT Instructor, providing a review and update of current IAT Instructor policies and processes (i.e., IAT website course offerings webpage, class roster, instructor/student course evaluations) and training techniques that support the Instructor in successfully delivering IAT courses.

**Course Prerequisites:** Approved as an IAT Instructor

**Course Length:** 2 hours

**Delivery Method:** Classroom

**Instructor Requirements:** Reference Part 3 (1) (B) (C) of IAT Guide

# *300 Level Courses*

*All 300-Level courses are offered as Instructor-Led (classroom) classes, Webinar classes, or at ACE Workshop Events.*

[Interagency Aviation Training (IAT) website](#)

### A-302     Personal Responsibility and Liability

This course provides an understanding of personal and organizational responsibility and liability in aviation program operations.

**Course Prerequisites:** None

**Course Length:** 2 hours

**Delivery Method:** Classroom

**Instructor Requirements:** Federal attorney, or solicitor

### A-303     Human Factors in Aviation

This course provides the basic principles of human behavior relevant to general aviation accident prevention and the human physiological and psychological factors that affects aircrew performance.

**Course Prerequisites:** None

**Course Length:** 2 hours

**Delivery Method:** Classroom

**Instructor Requirements:** Reference Part 3 (1) (B) (C) of IAT Guide

## A-304    Aircraft Maintenance

This course provides an overview of what aviation managers should look for to ensure that proper aircraft maintenance is being performed. Topics include:

- Roles and Responsibilities
- The Maintenance Process
- Return to Service
- Return to Contract Availability

**Course Prerequisites:** None

**Course Length:** 2 hours

**Delivery Method:** Classroom

**Instructor Requirements:**

1. Reference Part 3 (1) (B) (C) of IAT Guide
2. Certified maintenance technician and/or Helicopter Manager Resource, or Helicopter Manager (HMGB-NWCG)

## A-305    Risk Management II

This course presents the practical application of deliberate risk management techniques, tools, and resources and how they may be used to identify hazards and to assess risks in natural resource aviation operations. Information presented will allow the students to utilize the five steps of the risk management process and the 5M Risk Model, as well as working through an operation risk scenario utilizing risk management tools. The course references relevant elements from the following:

- Air Force Pamphlet 90-803
- FAA Systems Safety Handbook - Chapter 15
- FS-BLM Aviation Risk Management Handbook 2011
- DOI OPM-06 Aviation Management Plans

**Course Prerequisites:**

- A-205 Risk Management I

**Course Length:** 4 hours

**Delivery Method:** Classroom

**Instructor Requirements:**

1. Reference Part 3 (1) (B) (C) of IAT Guide
2. A-205 Qualified Instructor

## A-306    Aviation Contract Administration

This course covers *both* DOI AQD/USDA-FS aviation contracts and was designed to provide participants with the knowledge and skills to administer aviation contracts.

The focus of the course will be:

- Roles and Responsibilities
- Policy
- Contract Types
- Procurement Process
- Payment
- Documentation
- Emergency Hiring of Aircraft

**Course Prerequisites:** None

**Course Length:** 6 hours

**Delivery Method:** Classroom, ACE

**Instructor Requirements:** Contracting Officer


## A-307    Aviation Policy and Regulations II

This course provides participants with a working knowledge of aviation directive systems within each agency for the management and use of government aircraft (e.g., DOI Departmental Manuals and USDA-FS Forest Service Manual 5700).

**Course Prerequisites:** A-107 Aviation Policy and Regulations I

**Course Length:** 4 hours

**Delivery Method:** Classroom

**Instructor Requirements:** Reference Part 3 (1) (B) (C) of IAT Guide

## A-309      Helicopter Flight Manuals

The purpose of this course is to understand the layout and information contained in the Rotorcraft Flight Manual (RFM). This information is used to support performance planning requirements of the Helicopter Manager-Resource position.

**Course Prerequisites:** None

**Course Length:** 2 hours

**Delivery Method:** Classroom

**Instructor Requirements:**

1. Reference Part 3 (1) (B) (C) of IAT Guide

2. Qualified Helicopter Inspector Pilot (HIP), Helicopter Operations Specialist (HOS), Helicopter Pilot, or

3. Helicopter Manager-Resource (IAT), or HMGB (NWCG)—previously or currently qualified

## A-310      Overview of Crew Resource Management

The purpose of this course is to provide participants with an overview of crew resource management (CRM) skills and techniques, and to illustrate the importance of practicing CRM to accomplish safe aviation operations. Topics covered include:

- Situational Awareness
- Communication
- Teamwork
- Task Allocation
- Decision Making

*Note: USDA-FS requires N9059/RT9059F*

**Course Prerequisites:** None

**Course Length:** 2 hours

**Delivery Method:** Classroom

**Instructor Requirements:** Reference Part 3 (1) (B) (C) of IAT Guide

## A-311    Aviation Planning

This course provides aviation personnel with an overview of the aviation planning process for state and federal agencies, including how and when to prepare an Aviation Plan.

**Course Prerequisites:** It is highly recommended that the students first complete the A-205 Risk Management I course or have field experience in developing a Risk Assessment Worksheet Matrix, prior to taking this course.

**Course Length:** 3 hours

**Delivery Method:** Classroom

**Instructor Requirements:**

1. Reference Part 3 (1) (B) (C) of IAT Guide

2. Must have experience in writing or approving National, Regional, or Unit Aviation Management Plans or Project/Mission Aviation Safety Plans.


## A-312    Water Ditching and Survival

This purpose of this course is to provide classroom and hands-on training to better prepare students in the event they experience an aircraft water ditching.

**Course Prerequisites:** Participation in the pool portion of the class requires a verbal declaration of an acceptable level of fitness.

**Course Length:** 8 hours

**Delivery Method:** Classroom

**Instructor Requirements:** Reference Part 3 (1) (E) of IAT Guide

*Note: A Minimum of TWO IAT qualified instructors are required on-site during pool instruction, while students are in the water.*

### A-314 Aviation Program Overview for Forest Service Agency Administrators and Supervisors

This course provides a synopsis of the following, as relates to Agency Administrators and Supervisors responsibilities:

- Aviation Policy
- Safety and Accident Prevention
- Training and Qualification Requirements of Employees
- Liability
- Procurement
- Aviation Organizations

**Course Prerequisites:** None

**Course Length:** 3 hours

**Delivery Method:** Classroom

**Instructor Requirements:** Reference Part 3 (1) (B) (C) of IAT Guide

### A-325R Water Ditching and Survival Academic Refresher

This course provides the participants with the knowledge of the proper procedures to follow in the event of water ditching of an aircraft; to include discussion on egress, hypothermia, utilization of PFDs, life raft, and water survival equipment. The course is an academic refresher ONLY.

The refresher course is required by USFWS only, but other Bureaus/Agencies may benefit by taking this course.

**Course Prerequisites:** A-312 Water Ditching and Survival

**Course Length:** 2 hours

**Delivery Method:** Classroom

**Instructor Requirements:** Reference Part 3 (1) (E) of IAT Guide

# *400 Level Courses*

*All 400-Level courses may be offered as Instructor-Led (classroom) classes, Webinar classes, or at ACE Workshop Events.*

[Interagency Aviation Training (IAT) website](#)

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### A-450    Small Unmanned Aircraft System (sUAS) Basic Remote Pilot Course

This is the fundamental sUAS course for individuals wanting to become qualified to operate sUAS for the Department of the Interior (DOI)/ US Department of Agriculture's Forest Service (USDA-FS) A-450 will utilize micro-sized sUAS aircraft to provide the basic academic and flight training necessary to conduct missions as Remote Pilot-in-Command (RPIC) for DOI.
It is mandatory that the required pre-work be accomplished prior to the classroom segment of the course.

*Note: For further information, contact your National Aviation Manager for guidance regarding how to begin a sUAS program.*

**Course Prerequisites:** Reference [OPM-11 DOI Use of Unmanned Aircraft Systems (UAS)](#)

**Course Length:** 32 hours *(does NOT include required pre-work)*

**Delivery Method:** Classroom

**Instructor Requirements:**

1.  Reference Part 3 (1) (B) (C) of IAT Guide.
2.  Reference [OPM-11 DOI Use of Unmanned Aircraft Systems (UAS)](#).
3.  Reference [Interagency UAS training roles: qualifications, requirements, and standards.](#)
4.  Contact your Agency or Bureau sUAS Program Manager for guidance.

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**A-452R   Small Unmanned Aircraft System (sUAS) Remote Pilot Refresher Training**

DOI Remote Pilots must complete UAS Refresher Training (A-452R), or approved equivalent, every 24 months, following the issuance of their UAS Pilot Qualification card (OAS-30U).

Current DOI/USDA-FS Remote Pilots participating in either A-450 or A452R, as a student or an instructor, will receive credit for refresher training. This training can be completed 4 months in advance, or within 30 days after, the date of expiration on the OAS-30U, and shall be documented on the Interagency Aviation Training (IAT) website.

Whether or not you complete A-452R before or after your expiration date, you will retain your original carding date.

Remote Pilots operating the low complexity UAS will be able to complete this requirement via distance learning opportunities. Remote Pilots operating more complex aircraft may be required to attend a refresher course in-person. For further information, see DOI OPM-11 DOI Use of Unmanned Aircraft Systems (UAS).

**Course Prerequisites:**

- A-450 Small Unmanned Aircraft System (sUAS) Basic Remote Pilot Course
- Current qualification as a DOI Remote Pilot

**Course Length:** 2 hours

**Delivery Method:** Classroom

**Instructor Requirements:**

1. Reference Part 3 (1) (B) (C) of IAT Guide.
2. Reference OPM-11 DOI Use of Unmanned Aircraft Systems (UAS).
3. Reference Interagency UAS training roles: qualifications, requirements, and standards.
4. Contact your Agency or Bureau sUAS Program Manager for guidance.

## A-454    Small Unmanned Aircraft System (sUAS) Add-on Course

This course is for individuals who have previously attended the DOI A-450 Basic Remote Pilot Training Course.

Primary Audience: DOI/USDA-FS qualified pilots who want to include additional DOI-approved sUAS platforms to their DOI Remote Pilot card.

Contact your National Bureau UAS Manager for further information.

**Course Prerequisites:**

- A-450 Small Unmanned Aircraft System (sUAS) Basic Remote Pilot Course
- Program management approval, as outlined in OPM-11 DOI Use of Unmanned Aircraft Systems (UAS)
- Current qualification as a DOI/USDA-FS Remote Pilot

**Course Length:** Depends on Aircraft Type(s) desired to be added

**Delivery Method:** Classroom

**Instructor Requirements:**

1. Reference Part 3 (1) (B) (C) of IAT Guide.
2. Reference [OPM-11 DOI Use of Unmanned Aircraft Systems (UAS)](#).
3. Reference Interagency UAS training roles: qualifications, requirements, and standards.
4. Contact your Agency or Bureau sUAS Program Manager for guidance.


## A-455    Overview of Small Unmanned Aircraft System (sUAS) Operations

This course is an overview and introduction to small Unmanned Aircraft operations. It gives the participant a brief history, overview, and application of sUAS. This is *not* an operator course. This course will provide managers an overview of how to begin a sUAS program, along with the requirements for operating a sUAS in the National Airspace System, and while working for the DOI/USDA-FS.

**Course Prerequisites:** None

**Course Length:** 2 hours

**Delivery Method:** Classroom

**Instructor Requirements:**

1. Reference [OPM-11 DOI Use of Unmanned Aircraft Systems (UAS)](#).
2. Contact your Agency or Bureau sUAS Program Manager for guidance.

# Management Level Courses (DOI)

*DOI Management-Level courses may be available online at the Interagency Aviation Training (IAT) website and offered as Instructor-Led (classroom) classes, Webinar classes, or at ACE Workshop Events*

[Interagency Aviation Training (IAT) website](#)

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## M-2        Aviation Management Line Managers Briefing

This course has been developed for Line Managers responsible for employees who utilize aircraft in performance of their duties. Areas of emphasis include:

- DOI Aviation Safety and Accident Prevention Program
- Procurement of Aviation Services
- Documentation of Payment Procedures
- Responsibilities to Employees
- Risk Management

*Note: This course meets the DOI requirements of 352 DM (1.5 B).*
        *Equivalency: Completion of M-3 will meet the M-2 requirement.*

**Course Prerequisites:** None

**Course Length:** 2 hours

**Delivery Method:** Classroom

**Instructor Requirements:**

1. Reference Part 3 (1) (B) (C) of IAT Guide
2. One-time authorization, from the DOI OAS Chief ASTPE, *is required*

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## M-3        Aviation Management Training for Supervisors

This course provides mandatory training required for all DOI managers and supervisors who are responsible for administering oversight of programs that utilize aviation personnel and resources, both manned and unmanned (UAS/Unmanned Aircraft Systems), to accomplish missions and flight activities.

*Note: This course meets the DOI requirements of 352 DM (1.5 B)*

**Course Prerequisites:** None

**Course Length:** 4 hours

**Delivery Method:** Classroom, Online

**Final Exam:** Required for online version only

**Instructor Requirements:** Reference Part 3 (1) (B) (C) of IAT Guide

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# *USDA-FS Required Courses*

*USDA-FS required courses may be offered as Instructor-Led (classroom) classes, Webinar classes, or at ACE Workshop Events.*

[Interagency Aviation Training (IAT) website](#)

### FS509    Crew Resource Management 7 Skills Train-the-Trainer

This 24-hour CRM 7 Skills Train-the-Trainer course is a comprehensive class that provides in-depth information on the FS CRM 7 Skills program, history of CRM, and each of the 7 critical skills. This class is designed to strengthen and focus the participants' existing aviation skills and experience into that of a CRM subject matter expert. In addition, it provides a framework for the use of facilitative instructional techniques applied to case studies, that are a critical component of delivering both the Initial and Refresher CRM 7 Skills courses.

*Note: FS509 provides a one-way equivalency for A-310.*

**Course Prerequisites:**

- A-220 or M-410
- Completion of N9059 Crew Resource Management (CRM) 7 Skills

**Course Length:** 24 hours

**Delivery Method:** Classroom

**Instructor Requirements:**

1. Reference Part 3 (1) (B) (C) of IAT Guide
2. Ability to effectively present training
3. Desire to be a CRM 7 Skills facilitator
4. Successful completion of FS509 CRM 7 Skills Train-the-Trainer Course
5. Successful completion of a final field evaluation
   (The facilitator is provided with instructional material templates for both the Initial and the Refresher courses, with the ability to make the training specific and pertinent to their mission.)

**N9059    Crew Resource Management 7 Skills**

This course explains the importance/history of Crew Resource Management (CRM) and introduces the 7 Skills of CRM which include:

- Decision Making
- Assertiveness
- Mission analysis
- Communication
- Leadership
- Adaptability/Flexibility
- Situational Awareness

The N9059 course also promotes the understanding of these concepts through practical skills application demonstrated in facilitated scenarios throughout the course.

*Note: N9059 provides a one-way equivalency for A-310.*

**Course Prerequisites:** None

**Course Length:** 3 hours

**Delivery Method:** Classroom

**Instructor Requirements:**

1. Reference Part 3 (1) (B) (C) of IAT Guide
2. FS509 Crew Resource Management 7 Skills Train-the-Trainer Course

**RT9059F        Crew Resource Management 7 Skills Refresher**

This refresher course reviews the importance/history of Crew Resource Management (CRM), and reviews and promotes the understanding of the 7 skills concepts through practical skills application demonstrated in facilitated scenarios throughout the course.

*Note: RT9059F provides a one-way equivalency for A-310.*

**Course Prerequisites:** N9059 Crew Resource Management 7 Skills

**Course Length:** 1.5 hours

**Delivery Method:** Classroom

**Instructor Requirements:**

1. Reference Part 3 (1) (B) (C) of IAT Guide
2. FS509 Crew Resource Management 7 Skills Train-the-Trainer Course

# Appendix 1—IAT Courses - Recommended Delivery Methods

The IAT Courses are typically offered as shown, but there may be exceptions to the delivery methods based on need.

| Code | Course Title | Classroom / Instructor Led | ACE / Event | Webinar | Online |
|------|-------------|:---:|:---:|:---:|:---:|
| A-100 | A-100 Basic Aviation Safety | C | A | | O |
| A-102 | USFS Alaska (Region-10) Fixed-wing Safety | | | | O |
| A-103 | Temporary Flight Restrictions & Advisory Notices to Airmen (NOTAMs) | | | | O |
| A-107 | Aviation Policy and Regulations I | | | | O |
| A-109 | Aviation Radio Use | | | | O |
| A-110 | Aviation Transportation of Hazardous Materials | | | | O |
| A-112 | Mission Planning and Flight Request Process | | | | O |
| A-113 | USFS Crash Survival for Alaska (R-10) Employees | | | | O |
| A-115 | Automated Flight Following | | | | O |
| A-117 | Fixed-Wing Hand Signals | | | | O |
| A-200 | Mishap Review | C | A | W | O |
| A-202 | Interagency Aviation Organizations | C | | W | O |
| A-203 [1] | Basic Airspace | | | | O |
| A-204 [1] | Manned Aircraft Capabilities and Limitations | | | | O |
| A-205 | Risk Management I | C | A | W | |
| A-207 | Aircraft Flight Scheduling | | | | O |
| A-208 | Aircraft and Pilot Approval | C | A | W | |
| A-209 | Helicopter Operations | C | | | |
| A-218 | Aircraft Pre-Use Inspection | | | | O |
| A-219 [1] | Helicopter Transport of External Cargo | C | | | |
| A-220 [1] | Train-the-Trainer | C | | | |
| A-223 | Water Ditching and Survival Train-the-Trainer | C | | | |
| A-225 | IAT Instructor Update | C | A | W | |

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[1] Indicates course with prerequisite training required/recommended prior to attendance, please see IAT Course Catalog for specific prerequisite requirements. For webinar offerings please see the IAT Webinar Schedule for event offerings please see the IAT Training Events page.

# Appendix 1—IAT Courses - Recommended Delivery Methods

The IAT Courses are typically offered as shown, but there may be exceptions to the delivery methods based on need.

| Code | Course Title | Classroom / Instructor Led | ACE / Event | Webinar | Online |
|------|--------------|:--------------------------:|:-----------:|:-------:|:------:|
| A-302 | Personal Responsibility and Liability | C | A | W | |
| A-303 | Human Factors in Aviation | C | A | W | |
| A-304 | Aircraft Maintenance | C | A | W | |
| A-305 [1] | Risk Management II | C | A | | |
| A-306 | Aviation Contract Administration | C | A | | |
| A-307 [1] | Aviation Policy and Regulations II | C | A | | |
| A-309 | Helicopter Flight Manuals | C | A | | |
| A-310 | Overview of Crew Resource Management | C | A | W | |
| A-311 [1] | Aviation Planning | C | A | W | |
| A-312 | Water Ditching and Survival | C | A | | |
| A-314 | Aviation Program Overview for Forest Service Agency Administrators and Supervisors | C | A | W | |
| A-325R [1] | Water Ditching and Survival Academic Refresher | C | A | W | |
| A-450 [1] | Small Unmanned Aircraft System (sUAS) Basic Remote Pilot Course | C | | | |
| A-452R [1] | sUAS Basic Remote Pilot Course Refresher Training | C | | W | |
| A-454 [1] | Small Unmanned Aircraft System (sUAS) Add-on Course | C | | | |
| A-455 | Overview of Small Unmanned Aircraft System (sUAS) Operations | C | A | W | |
| M-2 | DOI Aviation Management Line Managers Briefing | C | | W | |
| M-3 | DOI Aviation Management Training for Supervisors | C | A | W | O |
| N9059 | Crew Resource Management (CRM) 7 Skills | C | A | | |
| RT9059F | CRM 7 Skills Refresher | C | | | |
| FS509 | Crew Resource Management 7 Skills Train-the-Trainer | C | | | |

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[1] Indicates course with prerequisite training required/recommended prior to attendance, please see IAT Course Catalog for specific prerequisite requirements. For webinar offerings please see the IAT Webinar Schedule For event offerings please see the IAT Training Events page.

# Appendix 2—Interagency Aviation Training Position Requirements

YELLOW = OPM-04 identifies five positions which have required training for DOI and other personnel participating in manned aircraft activities. Aircrew member, Aviation Manager, Flight Follower, Line Manager, and Supervisor

BOLD/Italics Course Title = Available Online
X = Requires Completion Once
3 = Requires initial completion, and every 3 years thereafter

| CODE | COURSE TITLE | Course Length (Hours) | Aircrew Member | Aviation Dispatcher | Aviation Manager | Fixed-Wing Flight Manager | Fixed-Wing Flight Manager - Special Use | Flight Follower | Helicopter Flight Manager (DOI) | Helicopter Manager - Resource | Line Manager (DOI) | Project Aviation Manager | Supervisor (DOI) | Supervisor (FS) | DOI Remote Pilot (UAS) | USDA-FS Remote Pilot (UAS) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A-100 | *Basic Aviation Safety* | 6 | 3 | 3 | X | 3 | 3 | 3 | 3 | 3 | | X | | | 3 | 3 |
| A-103 | *Temporary Flight Restrictions & Advisory Notices to Airmen (NOTAMs)* | 1.5 | | X | X | | | | | | | | | | | |
| A-107 | *Aviation Policy & Regulations I* | 1 | | X | X | | | X | | X | X | | | | | |
| A-109 | *Aviation Radio Use* | 2 | | X | | X | X | X | X | X | X | | | | | |
| A-110 | *Aviation Transportation of HAZMAT* | 2 | 3 | 3 | X | 3 | 3 | | 3 | 3 | 3 | | | | X | X |
| A-112 | *Mission Planning & Flight Request Process* | 1 | | X | X | X | X | | X | X | X | | | | | |
| A-115 | *Automated Flight Following* | 2 | | X | X | | X | X | X | X | | | | | | |
| A-200 | *Mishap Review* | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | 3 | 3 | 3 | 3 | 3 |
| A-202 | *Interagency Aviation Organizations* | 1 | | X | X | | | | | | | | | | | |
| A-203 | *Basic Airspace* | 3 | | X | X | | | | | | | | | | X | X |
| A-204 | *Manned Aircraft Capabilities & Limitations* | 2 | | X | X | | X | X | X | X | X | | | | | |
| A-205 | Risk Management I | 2 | | X | X | | X | | X | X | X | | | | | X |
| A-207 | *Aircraft Flight Scheduling* | 1 | | X | | | | X | | | | | | | | |
| A-208 | Aircraft and Pilot Approval | 3 | | X | X | | | | | | | | | | | |
| A-209 | Helicopter Operations | 8 | | | | | | | X | X | | | | | | |
| A-218 | *Aircraft Pre-Use Inspection* | .5 | | | X | X | | | | X | | X | | | | |
| A-219 | Helicopter Transport of External Cargo (*if applicable) | 8 | X* | | | | | | | X* | | | | | | |
| A-220 | Train-the-Trainer | 32 | | | | | | | | | | | | | | |
| A-223 | Water Ditching and Survival Train-the-Trainer | 32 | *Reference **Part 3** Interagency Aviation Training Instructor Certification* | | | | | | | | | | | | | |
| A-225 | IAT Instructor Update | 2 | | | | | | | | | | | | | | |

**POSITION**

YELLOW = OPM-04 identifies five positions which have required training for DOI and other personnel participating in manned aircraft activities. Aircrew member, Aviation Manager, Flight Follower, Line Manager, and Supervisor

*BOLD/Italics Course Title* = Available Online
X = Requires Completion Once
3 = Requires initial completion, and every 3 years thereafter

| CODE | COURSE TITLE | Course Length (Hours) | Aircrew Member | Aviation Dispatcher | Aviation Manager | Fixed-Wing Flight Manager | Fixed-Wing Flight Manager - Special Use | Flight Follower | Helicopter Flight Manager (DOI) | Helicopter Manager - Resource | Line Manager (DOI) | Project Aviation Manager | Supervisor (DOI) | Supervisor (FS) | DOI Remote Pilot (UAS) | USDA-FS Remote Pilot (UAS) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A-302 | Personal Responsibility & Liability | 2 | | | X | | X | | | | 3 | X | | | | |
| A-303 | Human Factors in Aviation | 2 | | X | X | | X | | | | 3 | | | | | |
| A-304 | Aircraft Maintenance | 2 | | | | | | | | X | | | | | | |
| A-305 | Risk Management II | 4 | | X | X | | | | | X | | X | | | | |
| A-306 | Aviation Contract Administration | 6 | | | X | | | | | | | | | | | |
| A-307 | Aviation Policy and Regulations II | 4 | | X | X | | | | | | 3 | X | | | | |
| A-309 | Helicopter Flight Manuals | 2 | | | | | | | | 3 | | | | | | |
| A-310 | Overview of Crew Resource Management | 2 | | | X | | X | | | | 3 | X | | | | |
| A-311 | Aviation Planning | 3 | | | X | | | | | X | | X | | | | |
| A-312 | Water Ditching and Survival | 8 | *As specified by bureau or agency policy* | | | | | | | | | | | | | |
| A-314 | Aviation Program Overview for Forest Service Agency Administrators and Supervisor (USDA-FS) | 3 | | | | | | | | | | | | 3 | | |
| A-450 | Small Unmanned Aircraft System (sUAS) Basic Remote Pilot | 32 | | | | | | | | | | | | | X | X |
| A-452R | Small Unmanned Aircraft System (sUAS) Refresher Training | 2 | | | | | | | | | | | | | 2 | 2 |
| M-2 [1] | Aviation Management Line Managers Briefing (DOI) | 2 | | | | | | | | | 3 [1] | | | | | |
| *M-3* [1] | *Aviation Management for Supervisors (DOI)* | 4 | | | | | | | | | 3 [1] | | 3 | | | |
| N9059 [2] | Crew Resource Management 7 Skills (USDA-FS) | 3 | | | X | | X | | | X | | X | | | | X |
| RT9059F [2] | Crew Resource Management 7 Skills Refresher (USDA-FS) | 1.5 | | | | | | | | 3 | | 3 | | | | 3 |

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[1] Line Managers must complete the M-2 Aviation Management Line Managers Briefing *OR* M-3 Aviation Management for Supervisors every 3 years.

[2] N9059 & RT9059F grant an equivalency for A-310.

# Appendix 3—One-Way S-Course (NWCG) to A-Course IAT Equivalency Matrix

This matrix shows the approved one-way S-Course (NWCG) equivalents (E) for the IAT "A" Courses. It is recognized that personnel may receive aviation-related training from sources other than that found in the IAT curriculum. It is the goal of the IAT system to diminish redundancy and promote effective and efficient training. Supervisors should review the following list of DOI approved course equivalents when assessing the training needs of their employees. Outside course curriculum can be used to satisfy the requirements of the IAT Guide.

It is incumbent upon the supervisor and the employee to ensure that training records are maintained that support completion of equivalency courses in place of the IAT curriculum.

**IAT-COURSE**

| S-COURSE | A-107 Aviation Policy & Regulations I | A-203 Basic Airspace | A-204 Manned Aircraft Capabilities & Limitations | A-205 Risk Management I | A-208 Aircraft and Pilot Approval | A-209 Helicopter Operations | A-218 Aircraft Pre-Use Inspection | A-219 Helicopter Transport of External Cargo | A-304 Aircraft Maintenance | A-306 Aviation Contract Administration | A-307 Aviation Policy and Regulations II | A-309 Helicopter Flight Manuals |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S-270 Basic Air Operations | | | E | | | | | | | | | |
| S-271 Helicopter Crewmember | | | | | | E | | E | | | | |
| S-273 Single Engine Airtanker Manager | | E | | | E | | E | | | E | | |
| S-371 Helibase Manager | | | | E | | | | | | | | |
| S-372 Helicopter Management | | | | E | | | E | | E | E | E | E |
| S-375 Air Support Group Supervisor | | | | E | | | | | | | | |
| S-378 Aerial Supervision | | E | | | | | | | | | | |
| S-470 Air Operations Branch Director | E | | | E | | | | | | | | |

Please refer to the IAT External Equivalency Upload Guide for information on uploading external courses into your IAT transcript.

# Appendix 4—One-Way NWCG Position to IAT Position Crosswalk

**IAT POSITION**

| NWCG POSITION | | Aircrew Member [1] | Fixed-Wing Flight Manager | Fixed-Wing Flight Manager-Special Use | Helicopter Flight Manager (DOI) | Flight Follower | Helicopter Manager - Resource | Aviation Dispatcher | Project Aviation Manager | Aviation Manager |
|---|---|---|---|---|---|---|---|---|---|---|
| ACAC | Area Command Aviation Coordinator | | | | | | | | X | X |
| AOBD | Air Ops Branch Director | | | | | | | | X | X |
| ACDP | Aircraft Dispatcher | | | | | X | | X | | |
| ASGS | Air Support Group Supervisor | | | | | | | | X | X |
| ATGS | Air Tactical Group Supervisor | X | X | X | | | | | | |
| DECK | Deck Coordinator | X | | | | | | | | |
| HEBM | Helibase Manager | X | | | X | | | | X | |
| HLCO | Helicopter Coordinator | X | | | X | | | | | |
| HECM | Helicopter Crewmember | X | | | | | | | | |
| HMGB | Helicopter Manager | X | X[2] | | X | | X | | | |
| SEMG | SEAT Manager | X | X | | | | | | | |

**Example:** As a qualified and current NWCG Air Operations Branch Director (AOBD), IAT recognizes the individual's ability to successfully function as a Project Aviation Manager or Aviation Manager for non-fire aviation jobs described in OPM-04 and the IAT Guide.

However, this does *NOT* give you equivalency for the A-courses that are required for the IAT position.

**Note[1]: Aircrew Member**
- Helicopter qualified personnel lacking fixed-wing experience shall complete A-100 Basic Aviation Safety prior to working as an Aircrew Member for fixed wing operations.
- Fixed-wing qualified personnel lacking helicopter experience shall complete A-100 Basic Aviation Safety prior to working as an Aircrew Member for helicopter operations.

**Note[2]:** HMGBs wishing to act as a Fixed-Wing Flight Manager shall complete A-100 Basic Aviation Safety.

# Appendix 5—One-Way DOI OEM All-Hazard Position to IAT Position Crosswalk

| DOI OEM ALL-HAZARD POSITION | | Aircrew Member [1] | Fixed-Wing Flight Manager | Fixed-Wing Flight Manager-Special Use | Helicopter Flight Manager (DOI) | Flight Follower | Helicopter Manager - Resource | Aviation Dispatcher | Project Aviation Manager | Aviation Manager | Supervisor |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AIME | Aircrew Member | X | | | | | | | | | |
| HEAC | Helicopter Crewmember | X | | | | | | | | | |
| HEAM | Helicopter Manager | X | X[2] | | X | | X | | | | |

**Example:** As a qualified and current All Hazard Helicopter Crewmember (HEAC), IT recognizes the individual's ability to successfully function as an Aircrew Member for non-fire, non-all-hazard aviation jobs described in OPM-04 and the IAT Guide.

However, this does **NOT** give you equivalency for the A-courses that are required for the IAT position.

**Note[1]: Aircrew Member**
- Helicopter qualified personnel lacking fixed-wing experience shall complete A-100 Basic Aviation Safety prior to working as an Aircrew Member for fixed wing operations.
- Fixed-wing qualified personnel lacking helicopter experience shall complete A-100 Basic Aviation Safety prior to working as an Aircrew Member for helicopter operations.

**Note[2]:** HEAMs wishing to act as a Fixed-Wing Flight Manager shall complete A-100 Basic Aviation Safety.

Reference: DOI Office of Emergency Management National Incident Management System: DOI Incident Positions Qualification Guide