

Interagency Aviation Training Guide



Education • Qualification • Currency



This page intentionally left blank.

Interagency Aviation Training

A National Interagency System

**Aviation Use and Management
Qualifications Guide**

March 2024

Prepared by

Interagency Aviation Training Subcommittee

2024 Revisions

REVISIONS
"A-112 Mission Planning and Flight Request Process" course title changed to "A-112 Aviation Project & Mission Planning" (Reference RFC 22-02).
"RT9059F Crew Resource Management 7 Skills Refresher" course code changed to "RT9059".
A-225 IAT Instructor Update course hours changed from 2 hours to 3 hours (Reference RFC 22-11).
The acronym UAS will be used throughout the IAT Guide. Various organizations may interpret the acronym as Uncrewed Aircraft System, Unmanned Aircraft System or Drone.
A-452R Small UAS Remote Pilot Refresher Training course hours changed from 2 hours to 1 hour (Reference RFC 23-04).
A-454 Small UAS Add-on Course hours changed from 8 hours to 4 hours (Reference RFC 23-05).

Foreword

The 2024 IAT Guide is part of the Interagency Aviation Training, Qualifications, and Currency System for DOI natural resource and fire aviation qualifications. This Guide is a supplement to the Departmental of the Interior [Operational Procedures Memorandum \(OPM\) – 04, Aviation User Training Program](#). 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 Forest Service, and our partners.

Questions regarding the content or guidance referenced in this handbook may be directed to the

Office of Aviation Services, Aviation Safety and Evaluations Division, 300 E. Mallard Drive, Suite 200, Boise, ID 83706-3991.

Or

The USFS Aviation Strategic Planning Branch Chief, 1400 Independence Ave., SW, Washington DC, 20250-0003.

The Guide is available on the IAT website https://www.iat.gov/docs/IAT_Guide.pdf.

Document Properties

DOI Document Properties

Reference Documents: DOI Operational Procedures Memorandum (OPM) - 04, Aviation User Training Program

Approved by:

Name: Susan Bates _____

Title: Director, Office of Aviation Services

Effective Date: _____

Document Custodian: Chief, Aviation Safety, Training, Program Evaluations & Quality Management, Office of Aviation Services (OAS), Department of the Interior

**File Code:** 5100; 5700**Date:** February 2, 2024**Route To:****Subject:** Approval of the 2024 Interagency Aviation Training Guide**To:** Regional Fire Directors, Regional Aviation Officers, and Regional Aviation Safety Managers

The *2024 Interagency Aviation Training Guide* has been updated for agency use and guidance. This guide replaces the 2023 version. This approval letter serves to initiate the signature process to finalize the updated 2024 guidance.

The 2024 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 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.

Please share this letter with aviation users. Please direct questions to Victoria Leshuk, National Aviation Training Program Manager, Washington Office Fire and Aviation Management via e-mail at Victoria.leshuk@usda.gov.

A handwritten signature in blue ink, appearing to read "Alex Robertson".

ALEX ROBERTSON

Acting Director, Fire and Aviation Management

Enclosure

cc: Paul Linse, Beau Dobberstein, John Nelson, Aaron Schoolcraft, Lori Clark, Heather Castillo, Chris Tipton, Michael McFarlane, Heath Cota, Victoria Leshuk



Table of Contents

Page

Part 1—Education, Qualification, and Currency System	1
Introduction	1
Description of the System	2
IAT Courses	2
Equivalencies	2
Responsibilities	3
Currency Requirements	3
IAT Aviation Positions	4
Part 2—Position Descriptions and Required Courses	5
Aircrew Member	5
Aviation Dispatcher	6
Aviation Manager	7
Fixed-Wing Flight Manager	8
Fixed-Wing Flight Manager - Special Use	8
Flight Follower	9
Helicopter Flight Manager (DOI)	9
Helicopter Manager - Resource	10
Line Manager (DOI)	11
Project Aviation Manager	12
DOI Supervisor	13
USDA-FS Supervisor	13
DOI Remote Pilot (UAS)	14
USDA-FS Remote Pilot (UAS)	14
Part 3—Interagency Aviation Training Instructor Certification	15
A. Objective	15
B. Instructor Certification Requirements	15
C. Maintaining Interagency Aviation Training Instructor Certification	17
D. Adjunct Instructors	18
E. Water Ditching and Survival Instructors	18
F. A-223 Water Ditching and Survival Train-the-Trainer Instructor	19

Part 4—Course Catalog	20
100 Level Courses.....	20
A-100 Basic Aviation Safety (All Aircraft).....	20
A-102 USDA-FS Alaska Region Fixed-Wing Safety.....	21
A-103 Temporary Flight Restrictions and Advisory Notices to Airmen (NOTAMs).....	21
A-109 Aviation Radio Use.....	21
A-110 Aviation Transportation of Hazardous Materials (HAZMAT).....	22
A-112 Aviation Project & Mission Planning.....	22
A-113 USDA-FS Crash Survival for R-10 (Alaska Region) Employees.....	23
A-115 Automated Flight Following (AFF).....	23
A-117 Fixed-Wing Hand Signals.....	23
200 Level Courses.....	24
A-200 Mishap Review.....	24
A-202 Interagency Aviation Organizations	25
A-203 Basic Airspace	25
A-204 Crewed Aircraft Capabilities and Limitations.....	26
A-205 Risk Management I	26
A-207 Mission Scheduling & Coordination	26
A-208 Aircraft and Pilot Approval.....	27
A-209 Helicopter Operations	27
A-218 Aircraft Pre-Use Inspection	28
A-219 Helicopter Transport of External Cargo.....	28
A-220 Train-the-Trainer	29
A-223 Water Ditching and Survival Train-the-Trainer.....	29
A-225 IAT Instructor Update	29
300 Level Courses.....	30
A-302 Personal Responsibility and Liability.....	30
A-303 Human Factors in Aviation	30
A-304 Aircraft Maintenance	31
A-305 Risk Management II	31
A-306 Aviation Contract Administration.....	32
A-307 Aviation Policy and Regulations II.....	32
A-309 Helicopter Flight Manuals.....	33
A-310 Overview of Crew Resource Management	33
A-311 Aviation Planning	34
A-312 Water Ditching and Survival.....	34

A-314	Aviation Program Overview for Line Officers and Supervisors	35
A-325R	Water Ditching and Survival Academic Refresher	35
400 Level Courses.....		36
A-450	Small UAS Basic Remote Pilot Course.....	36
A-452R	Small UAS Remote Pilot Refresher Training	37
A-454	Small UAS Add-on Course.....	38
A-455	Overview of Small UAS Operations	38
A-456	Small UAS Extended Line of Sight (ELOS)/Beyond Visual Line of Sight (BVLOS) Training.....	39
Management Level Courses (DOI)		40
M-2	Aviation Management Line Managers Briefing	40
M-3	Aviation Management Training for Supervisors	40
USDA-FS Required Courses		41
FS509	Crew Resource Management 7 Skills Train-the-Trainer	41
N9059	Crew Resource Management 7 Skills	42
RT9059	Crew Resource Management 7 Skills Refresher	43
Appendix 1—IAT Courses - Recommended Delivery Methods		45
Appendix 2—Interagency Aviation Training Position Requirements		47
Appendix 3—One-Way S-Course (NWCG) to A-Course IAT Equivalency Matrix.....		49
Appendix 4—One-Way NWCG Position to IAT Position Crosswalk.....		50
Appendix 5—One-Way DOI OEM All-Hazard Position to IAT Position Crosswalk		51

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 National Aviation Training Program Manager (NATPM), 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 crewed and uncrewed 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 Air Missions (NOTAMs)
A-109	Aviation Radio Use
A-110 (3)	Aviation Transportation of Hazardous Materials
A-112	Aviation Project & Mission Planning
A-115	Automated Flight Following
A-200 (3)	Mishap Review
A-202	Interagency Aviation Organizations
A-203*	Basic Airspace
A-204	Crewed Aircraft Capabilities and Limitations
A-205	Risk Management I
A-207	Mission Scheduling & Coordination
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 Air Missions (NOTAMs)
A-110	Aviation Transportation of Hazardous Materials
A-112	Aviation Project & Mission Planning
A-115	Automated Flight Following
A-200 (3)	Mishap Review
A-202	Interagency Aviation Organizations
A-203*	Basic Airspace
A-204	Crewed 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	Aviation Project & Mission Planning
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	Aviation Project & Mission Planning
A-115	Automated Flight Following
A-200 (3)	Mishap Review
A-204	Crewed 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-109	Aviation Radio Use
A-115	Automated Flight Following
A-200 (3)	Mishap Review
A-204	Crewed Aircraft Capabilities & Limitations
A-207	Mission Scheduling & Coordination

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	Aviation Project & Mission Planning
A-115	Automated Flight Following
A-200 (3)	Mishap Review
A-204	Crewed 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-109	Aviation Radio Use
A-110 (3)	Aviation Transportation of Hazardous Materials
A-112	Aviation Project & Mission Planning
A-115	Automated Flight Following
A-200 (3)	Mishap Review
A-204	Crewed 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)
RT9059 (3)	Crew Resource Management 7 Skills (RT9059 provides a one-way equivalency for A-310)

Helicopter Manager - Resource <i>Cont'd</i>	
<i>Other Training that will satisfy the requirement for Helicopter Manager-Resource (Agency/Bureau specific)</i>	
S-271	Helicopter Crewmember All Hazard/Resource Helicopter Crewmember Task Book (Agency/Bureau specific)
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-109 Aviation Radio Use

A-110 (3) Aviation Transportation of Hazardous Materials

A-112 Aviation Project & Mission Planning

A-200 (3) Mishap Review

A-204 Crewed 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
(N9059 provides a one-way equivalency for A-310)

RT9059 (3) CRM 7 Skills Refresher
(RT9059 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 for Line Officers 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 Uncrewed 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 UAS Basic Remote Pilot Course
A-452R* (2)	Small UAS 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 UAS Basic Remote Pilot Course
A-452R* (2)	Small UAS Remote Pilot Refresher Training
N9059	Crew Resource Management 7 Skills (N9059 provides a one-way equivalency for A-310)
RT9059 (3)	CRM 7 Skills Refresher (RT9059 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.

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 *Please refer to the [IAT External Equivalency Upload Guide](#) for information on uploading external courses into your IAT transcript.*
 - 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 NATPM). Requests should be routed and supported through the student's supervisor, regional aviation manager/national aviation manager.
- 3) The instructor candidate will be listed as a "Trainee" for each A course they plan to instruct. Trainee instructors can create class offerings and close rosters while being evaluated, a Fully Qualified instructor must be listed on those offerings. To have a course added to their qualifications they should contact the IAT Help Desk at IAT_Admin@ios.doi.gov.

- 4) The instructor candidate must have successfully completed the course they plan to instruct within 36 months preceding their evaluation.
- 5) 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 NATPM), 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 IAT Help Desk 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 NATPM) 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.
- 6) Upon receipt of an evaluation, with a recommendation for instructor certification from FS-NATPM and/or DOI OAS TB, instructors will be considered "Fully Qualified" and 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. Attendance Sheets

Instructors should keep accurate attendance of all students who attend their course offerings. The OAS-106 Aviation Course Presentation Record (Sign-In Sheet) is available to download in pdf format from their online roster page, prefilled with all class offering information and student contact information.
 - c. Student Feedback

Printed feedback forms (OAS-111 Interagency Aviation Training Course Evaluation) are no longer necessary. When an instructor completes a class roster each student is emailed a custom link to submit feedback electronically. The instructor cadre will receive a copy, via email, of each student's submission. Course feedback data will be stored temporarily in the online survey system.
 - d. Within 30 days of a course offering completion:
 - Complete the course offering's roster within the IAT website (Pass/Fail/No-Show/Scored Exam)
 - Submit a scanned copy of the OAS-106 Aviation Course Presentation Record (Sign-In Sheet) to IAT_Admin@ios.doi.gov for archival storage.
 - Instructor Feedback

Printed feedback forms (OAS-113 Instructor Course Feedback Form (Part B) are no longer necessary. Upon roster completion in the IAT website system, instructors will receive, via email, a custom link for submitting electronic feedback on course content and materials. Course feedback is reviewed by course managers and used during the course revision process.
- 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 within the last 36 months, as a student. (equivalency not allowed)
- 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 National Aviation Training Program Manager (USDA-FS NATPM) 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.)

Note: *Fully Qualified, current A-312 instructors are also qualified to instruct the A-325R Water Ditching and Survival - Academic Refresher 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)
- 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 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.

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

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 to prevent mid-air collisions.

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

Course Length: 1.5 hours

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 Aviation Project & Mission Planning

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, Aviation Safety, Training, Program Evaluations & Quality Management, or USDA-FS Regional Aviation Safety Manager (RASM).

For additional USDA-FS information, contact the USDA-FS National Aviation Training Program Manager.

Course Prerequisites: None

Course Length: 2 hours

Delivery Method: Classroom, Online

Final Exam: Required

Instructor Requirements:

1. Reference Part 3 (1) (B) & (C) of the 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 USDA-FS Branch Chief of Aviation Safety, 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 the 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, PMS-520](#)

Course Length: 3 hours

Delivery Method: Online

Final Exam: Required

A-204 Crewed 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 the IAT Guide

A-207 Mission Scheduling & Coordination

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 the 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 the 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 the 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

Note: RT-219 is not a recognized course with formal course content or instructor requirements. Bureau and agency personnel should consult their bureau/agency specific policies when determining the process to present this class in an abbreviated format to those that have previously completed it or, when access to a live helicopter is limited.

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

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 NATPM.

Course Prerequisites: Successful completion of the A-312 course (equivalency not allowed) within 36 months prior to A-223 attendance.

Course Length: 32 hours

Delivery Method: Classroom

Instructor Requirements:

1. Reference Part 3 (1) (F) of IAT Guide
2. Requires authorization from the DOI OAS Chief ASTPE, or USDA-FS NATPM

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: 3 hours

Delivery Method: Classroom

Instructor Requirements: Reference Part 3 (1) (B) & (C) of the 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 the 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 the 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
- NWCG standards for Aviation Risk Management PMS 530
- NWCG Aviation Risk Management Workbook PMS 530-1
- 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 the 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: Pre-Work

Course Length: 4 hours

Delivery Method: Classroom

Instructor Requirements: Reference Part 3 (1) (B) & (C) of the 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: 3 hours

Delivery Method: Classroom

Instructor Requirements:

1. Reference Part 3 (1) (B) & (C) of the 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/RT9059*

Course Prerequisites: None

Course Length: 2 hours

Delivery Method: Classroom

Instructor Requirements: Reference Part 3 (1) (B) & (C) of the 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 the 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 the 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 Line Officers and Supervisors

This course provides a synopsis of US Forest Service aviation program management and overview, as it relates to Line Officers and Supervisors responsibilities. The course units are broken up into the 4 components (pillars) of Aviation Safety Management Systems (SMS) to provide the framework for the course content.

Course Prerequisites: None

Course Length: 3 hours

Delivery Method: Classroom, Webinar, ACE

Instructor Requirements: Reference Part 3 (1) (B) & (C) of the 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:

1. Reference Part 3 (1) (E) of the IAT Guide
2. Fully Qualified, current A-312 Instructors are authorized to instruct this course.

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](#)

A-450 Small UAS Basic Remote Pilot Course

This is the fundamental small UAS course for individuals wanting to become qualified to operate small UAS for the Department of the Interior (DOI)/US Department of Agriculture's Forest Service (USDA-FS). A-450 will utilize small UAS aircraft (less than 55lbs) to provide the basic academic and flight training necessary to conduct missions as Remote Pilot-in-Command (RPIC) for DOI/FS.

Candidates **must be nominated** by National UAS Program Managers or designee.

Students should meet the prerequisite requirements prior to attending A-450. Some required IAT courses may not be available prior to A-450 training selection, but UAS pilots must complete all IAT training requirements within 6 months of A-450 selection.

Note: For further information, contact your DOI National Aviation Manager or USFS Regional UAS Specialist for guidance regarding how to begin a UAS program.

Course Prerequisites:

- DOI Reference: [OPM-11 DOI Use of Uncrewed Aircraft Systems \(UAS\)](#)
- USFS Reference: [Forest Service Standards for UAS Operations](#)

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

Delivery Method: Classroom

Instructor Requirements:

1. Reference Part 3 (1) (B) & (C) of the IAT Guide
2. Reference [OPM-11 DOI Use of Uncrewed Aircraft Systems \(UAS\)](#)
3. Reference [Interagency UAS Training Roles](#)
4. Contact your Agency or Bureau UAS Program Manager or designee for guidance.

A-452R Small UAS Remote Pilot Refresher Training

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 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 Uncrewed Aircraft Systems \(UAS\)](#) or [Forest Service Standards for UAS Operations](#).

Course Prerequisites:

- A-450 Small UAS Basic Remote Pilot Course
- Program management approval, as outlined in [OPM-11 DOI Use of Uncrewed Aircraft Systems \(UAS\)](#) or [Forest Service Standards for UAS Operations](#)
- Current qualification as a DOI/USDA-FS Remote Pilot (OAS-30U Carded)

Course Length: 1 hours

Delivery Method: Classroom, Webinar

Instructor Requirements:

1. Reference Part 3 (1) (B) & (C) of the IAT Guide
 2. Reference [Interagency UAS Training Roles](#)
 3. Contact your Agency or Bureau UAS Program Manager for guidance.
-

A-454 Small UAS Add-on Course

This course is for individuals who have previously attended **A-450 Small UAS Basic Remote Pilot Course**. Students receiving add-on UAS training need to be approved by their supervisors and appropriate UAS managers. Contact your National Bureau UAS Manager or Regional UAS Specialist for further information.

Primary Audience: DOI/USDA-FS qualified remote pilots who are qualified to receive additional training on any DOI/FS approved UAS. Other A-454 Add-on training includes UAS advanced data collection workshops, Non-standard operating procedures, and Aerial Ignition workshops.

Course Prerequisites:

- A-450 Small UAS Basic Remote Pilot Course
- Program management approval, as outlined in [OPM-11 DOI Use of Uncrewed Aircraft Systems \(UAS\)](#) or [Forest Service Standards for UAS Operations](#)
- Current qualification as a DOI/USDA-FS Remote Pilot (OAS-30U Carded)

Course Length: 4

Delivery Method: Classroom/Field

Instructor Requirements:

1. Reference Part 3 (1) (B) & (C) of the IAT Guide
2. Reference [Interagency UAS Training Roles](#)
3. Must be current and qualified to instruct each A-454 course individually and carded on the airframe or hold a current endorsement for the specific course.
4. Contact your Agency or Bureau UAS Program Manager or designee for guidance.

A-455 Overview of Small UAS Operations

This course is an overview and introduction to small UAS aircraft operations. It gives the participant a brief history, overview, and application of small UAS. This is *not* an operator course. This course will provide managers an overview of how to begin a small UAS program, along with the requirements for operating a small UAS 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 Uncrewed Aircraft Systems \(UAS\)](#) or [Forest Service Standards for UAS Operations](#)
 2. Contact your Agency or Bureau UAS Program Manager for guidance.
-

A-456 Small UAS Extended Line of Sight (ELOS)/Beyond Visual Line of Sight (BVLOS) Training

This course is for UAS Remote Pilots whose missions require advanced beyond visual line of sight techniques.

The FAA has collaborated with the Department of the Interior and the United States Forest Service to grant Extended Line of Sight (ELOS) and Beyond Visual Line of Sight (BVLOS) privileges when certain conditions are met.

Extended Line of Sight (ELOS) and Beyond Visual Line of Sight (BVLOS) is an important evolution for the Interagency UAS community. The ELOS/BVLOS capability has greatly enhanced mission capability and flexibility. However, it should be noted that with this greater allowance comes greater risk and responsibility. Managers and Remote Pilots need to comprehend the potential risks involved and select Remote Pilots for these missions carefully. Not every Interagency Remote Pilot will be able to meet the training standards.

Course Objectives:

1. Gain a thorough understanding of the Agency Certificate of Waiver or Authorization (COA) that will be used.
2. Learn what the additional responsibilities, allowances and limitations while operating under these COAs are.
3. Complete the worksheets and flight lessons.
4. Meet the flight lesson standards for UAS ELOS or BVLOS.
5. Competent at using Visual Observers effectively for mission success.
6. Can plan a successful ELOS/BVLOS mission in or outside of a TFR, during the day or night.

Course Prerequisites:

- A-450 Small UAS Basic Remote Pilot Course
- Program management approval, as outlined in [OPM-11 DOI Use of Uncrewed Aircraft Systems \(UAS\)](#) or [Forest Service Standards for UAS Operations](#)
- Current qualification as a DOI/USDA-FS Remote Pilot (OAS-30U Carded)

Course Length: 8 hours (*4 hours classroom/4 hours flight training or task book as required by interagency mission requirements*)

Delivery Method: Classroom

Instructor Requirements:

1. Reference Part 3 (1) (B) & (C) of the IAT Guide
2. Reference [Interagency UAS Training Roles](#)
3. Contact your Agency or Bureau UAS 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](#)

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 the IAT Guide
2. One-time authorization, from the DOI OAS Chief ASTPE, *is required.*

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 crewed and uncrewed (UAS) 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 the IAT Guide

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 the 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.) Successful field evaluation must take place within 18 months of completion of FS509. If it does not, participants will be required to retake FS509 to be evaluated.

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 the IAT Guide
2. FS509 Crew Resource Management 7 Skills Train-the-Trainer Course

RT9059 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: RT9059 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 the 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 Air Missions (NOTAMs)				O
A-109	Aviation Radio Use				O
A-110	Aviation Transportation of Hazardous Materials				O
A-112	Aviation Project & Mission Planning				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	Crewed Aircraft Capabilities and Limitations				O
A-205	Risk Management I	C	A	W	
A-207	Mission Scheduling & Coordination				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	

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 Line Officers and Supervisors	C	A	W	
A-325R ¹	Water Ditching and Survival Academic Refresher	C	A	W	
A-450 ¹	Small UAS Basic Remote Pilot Course	C			
A-452R ¹	Small UAS Remote Pilot Refresher Training	C		W	
A-454 ¹	Small UAS Add-on Course	C			
A-455	Overview of Small UAS 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		
RT9059	CRM 7 Skills Refresher	C			
FS509	Crew Resource Management 7 Skills Train-the-Trainer	C			

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 crewed 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	POSITION													
		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)
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 Air Missions (NOTAMs)	1.5		X	X										
A-109	Aviation Radio Use	2		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	Aviation Project & Mission Planning	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	Crewed 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	Mission Scheduling & Coordination	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	Reference Part 3 Interagency Aviation Training Instructor Certification												
A-223	Water Ditching and Survival Train-the-Trainer	32													
A-225	IAT Instructor Update	3													

Appendix 2—Interagency Aviation Training Position Requirements

YELLOW = OPM-04 identifies five positions which have required training for DOI and other personnel participating in crewed 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)	POSITION												
			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)
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	3								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	<i>As specified by bureau or agency policy</i>												
A-314	Aviation Program Overview for Line Officers and Supervisors (USDA-FS)	3											3		
A-450	Small UAS Basic Remote Pilot	32												X	X
A-452R	Small UAS Refresher Training	1												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
RT9059 ²	Crew Resource Management 7 Skills Refresher (USDA-FS)	1.5								3	3				3

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 & RT9059 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.

S-COURSE	IAT COURSE										
	A-203 Basic Airspace	A-204 Crewed 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								

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

NWCG POSITION		IAT POSITION						
		Aircrew Member ¹	Fixed-Wing Flight Manager	Fixed-Wing Flight Manager-Special Use	Helicopter Flight Manager (DOI)	Helicopter Manager - Resource	Project Aviation Manager	Aviation Manager
ACAC	Area Command Aviation Coordinator						X	X
AOBD	Air Ops Branch Director						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.

Note¹: 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.

Note²: 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		IAT POSITION			
		Aircrew Member ¹	Fixed-Wing Flight Manager	Helicopter Flight Manager (DOI)	Helicopter Manager - Resource
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.

Note¹: 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.

Note²: 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](#)