

# Interagency Aviation Training Guide



Education • Qualification • Currency  
October 2017



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# Interagency Aviation Training

A National Interagency System

Aviation Use and Management  
Qualifications Guide

October 2017

Prepared by

Interagency Aviation Training Subcommittee  
of the National Interagency Aviation Committee (NIAC)

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## 2017 Revisions

ITEM	REVISION
IAT instructor	Updated instructor qualifications
IAT position definitions	Revised and standardized
Flight Follower	New IAT Position added to: Part 1 Aviation Positions, Part 2 Position Description and Required Courses, IAT Position Requirements Matrix, NWCG / IAT Crosswalk.
Line Manager (DOI Only)	Position added per Operational Procedures Memoranda (OPM)-04, Part 2 Position Description and Required Courses, IAT Position Requirements Matrix
Helicopter Manager - Resource	Clarified currency
A-Courses	Added course prerequisites
A-210	Removed from curricula; Helicopter Field Exercises
A-225	Updated currency to every three (3) years, previously two years.
A-305	Revised Course length to 4 hours, previously 2 hours.
A-306	Removed requirement from certain positions; course length revised - 6 hours; previously 4 hours.
A-312 / A-223	Revised requirements per OPM-04
A-314 (USFS)	Updated to REQUIRED (USFS) for supervisor; Aviation Program Overview for FS Agency Administrators
A-4XX UAS Courses	Added 400 Level UAS Course Information

# Part 1 - Education, Qualification, and Currency System

## A. 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), U.S. Forest Service and recognized partners. The Executive Aviation Committee (EAC) and the Executive Aviation Subcommittee (EAS) in conjunction with its partners, provide national leadership in managing aviation standards, procedures, and programs that enable our partners to effectively utilize aviation resources in a safe and efficient manner. 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, USFS, 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, in order 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 non-fire 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).

## B. 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) Wildland Fire Qualification System (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 (see the S-course equivalency matrix). 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 One-Way S-Course (NWCG) to A-Course(s) IAT Equivalency Matrix)

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 (Instructor Led/Classroom, Online, Webinar, Video Conference, etc.).

## Equivalencies

Requests for course or instructor equivalencies for the Department of the Interior (DOI) and US Forest Service (USFS) shall be routed to the DOI Office of Aviation Services (OAS) Chief, Aviation Safety, Training, and Program Evaluations Division (ASTPE) or USFS Aviation Training Program Manager (ATPM) through the employee's chain of command (e.g. Supervisor, Bureau/Regional Aviation Manager (BAM/RAM), National Aviation Manager (NAM)). Requests shall include supporting documents from the bureau or agency and be signed and routed by the appropriate person in their respective National Aviation Office.

## Agency Certification

**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/USFS 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 needs unique to their specific programs shall be accomplished as required.

Managers shall provide adequate resources and time for employees and/or those over whom they have operational control (volunteers, cooperators, students, etc.) to take required training in order to effectively perform their jobs not only in a safe manner, but with a high degree of professionalism and appreciation of the risk and economic impact aviation has upon operations:

Ensure employees have received required aviation training including volunteers, cooperators, students, etc. See 350 DM1 (1.2) for DOI, for USFS see FSM 5700.

- Manage participation in the Interagency Aviation Training Instructor program.
- Provide required documentation for reporting aviation training.

## Currency Requirements

Certain courses require currency and must be repeated as indicated in the position descriptions and the IAT Position Requirements Matrix. Courses without a currency requirement in the position descriptions (marked with an X in the matrix) require completion once.

## 2017 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 (qualified and current).

It is up to the Forest Service 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 \(DOI Only per OPM-04\)](#)

[Helicopter Manager - Resource](#)

[Line Manager \(DOI Only per OPM-04\)](#)

[Project Aviation Manager](#)

[Supervisor](#)



## 2017 IAT Courses

Code	Course Title	Delivery Options			
		Classroom-Instructor Led	ACE (Aviation Centered Education)	Webinar	Online
A-100	A-100 Basic Aviation Safety	C	A		O
A-102	USFS Alaska Region Fixed-wing Safety	C			O
A-103	FAA NOTAM System	C			O
A-104	Overview of Aircraft Capabilities and Limitations	C			O
A-107	Aviation Policy and Regulations I	C			O
A-109	Aviation Radio Use	C			O
A-110	Aviation Transportation of Hazardous Materials	C			O
A-112	Mission Planning and Flight Request Process	C			O
A-113 USFS	Crash Survival for R-10 Employees	C			O
A-115	Automated Flight Following	C	A	W	O
A-116	General Awareness Security Training	C			O
A-200	Mishap Review	C	A	W	O
A-202	Interagency Aviation Organizations	C		W	O
A-203*	Basic Airspace	C			O
A-204	Aircraft Capabilities and Limitations	C			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		W	
A-218	Aircraft Pre-Use Inspection	C			O
A-219*	Helicopter Transport of External Cargo	C			
A-220*	Train-The-Trainer	C			
A-223*	Water Ditching and Survival Train-The-Trainer	C			
A-225	IAT Instructor Update	C	A	W	
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*	Risk Management II	C	A		
A-306	Aviation Contract Administration Parts I & II	C	A		
A-307*	Aviation Policy and Regulations II	C	A	W	
A-309	Helicopter Flight Manuals	C	A		
A-310	Overview of Crew Resource Management	C	A	W	
A-311*	Aviation Planning	C	A	W	
A-312	Water Ditching and Survival	C	A		
A-314	Aviation Program Overview for FS Agency Administrators	C	A	W	
A-325R*	Water Ditching and Survival Academic Refresher	C		W	
M-2	DOI Aviation Management Line Managers Briefing	C		W	
M-3	DOI Aviation Management Training for Supervisors	C	A	W	O
A-450*	Small Unmanned Aircraft System (sUAS) Basic Remote Pilot Course	C			
A-452R*	SUAS Basic Remote Pilot Course Refresher Training	C			
A-454*	Small Unmanned Aircraft System (sUAS) Add-on Course	C			
A-455	Overview of Small Unmanned Aircraft System (sUAS) Operations	C			

\*Indicates courses with prerequisite training required/recommended prior to attendance.

Webinar listing: [IAT Website at https://www.iat.gov/](https://www.iat.gov/)

Please see Part 4 Course Catalog for list of required training.

## Part 2 - Position Descriptions and Required Courses

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

### Required Aviation Safety Training for Persons Involved in ANY Aviation Operations or Flight Activities.

**Mandatory Training by position for personnel with Aviation Management Responsibilities.** All managers and supervisors having oversight of programs using aviation resources for mission accomplishment, aviation personnel, flight activities, Unmanned Aircraft Systems (UAS), etc., fit within this broad category. Individuals who have aviation duties and/or responsibilities that are identified in more than one position in the matrix (e.g. Supervisor and Aviation Manager), to include both fire and non-fire positions, must take the required training for all positions that apply.

**Note:** (3) = Training recurrence every three (3) years, otherwise required only once.

<b>Supervisor</b>	
Those who supervise employees who use aircraft to accomplish agency programs (first and second level supervisors as determined by the agency). Knowledge required includes aviation safety, policy, risk management, and supervisory responsibilities.	
<b>DOI Required Training</b>	
M-3 (3)	Aviation Management for Supervisors
A-200 (3)	Mishap Review
<b>USFS Required Training</b>	
A-314 (3)	Aviation Program Overview FS Agency Administrators
A-200 (3)	Mishap Review

<b>Line Manager (DOI Only)</b>	
Those who are responsible and accountable for using aviation resources to accomplish bureau programs. Knowledge required includes familiarization with the DOI aviation management program, policies, and related requirements and responsibilities. Line Managers must complete the M-3 Aviation Management for Supervisors or complete the M-2 Aviation Management Line Managers Briefing course every 3 years. (OPM-04)	
<b>Required Training</b>	
M-2 (3)	Aviation Management Line Managers Briefing
OR	
M-3 (3)	Aviation Management for Supervisors

## 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	FAA NOTAM System
A-104	Overview of Aircraft Capabilities and Limitations
A-107	Aviation Policy and Regulations I
A-109	Aviation Radio Use
A-110 (3)	Aviation Transportation of Hazardous Materials (if applicable)
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	Aircraft Capabilities and Limitations
A-205	Risk Management I
A-207	Aircraft Flight Scheduling
A-303	Human Factors in Aviation
A-305	Risk Management II
A-307	Aviation Policy and Regulations II
<b>Other courses that will satisfy the training requirement for Aviation Dispatcher</b>	
D-312	Aircraft Dispatcher (ACDP-NWCG)

## Flight Follower

Government employee who is responsible for monitoring aircraft flight activities in accordance with DOI/bureau and USFS policies. They may work in a Dispatch Center or at a remote location where they have the ability to monitor a flight by radio or a satellite tracking system and the means to 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-104	Overview of Aircraft Capabilities & Limitations
A-107	Aviation Policy and Regulations I
A-109	Aviation Radio Use
A-115	Automated Flight Following
A-200 (3)	Mishap Review
A-207	Aircraft Flight Scheduling

# Aviation Manager

A person with aviation management responsibilities for a unit, state, regional, or national level and 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	FAA NOTAM System
A-107	Aviation Policy and Regulations I
A-110	Aviation Transportation of Hazardous Materials (if applicable)
A-112	Mission Planning and Flight Request Process
A-115	Automated Flight Following
A-116	General Awareness Security Training
A-200 (3)	Mishap Review
A-202	Interagency Aviation Organizations
A-203	Basic Airspace
A-204	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 Parts I & II
A-307	Aviation Policy and Regulations II
A-310*	Overview of Crew Resource Management
A-311	Aviation Planning

## Required Training for USFS

N9059 (FS)	Crew Resource Management 7 Skills in lieu of A-310*; Equivalency: N9059 for A-310*
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## 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 (if applicable)
A-112	Mission Planning and Flight Request Process
A-116	General Awareness Security Training
A-200 (3)	Mishap Review
A-204	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
A-311	Aviation Planning

### Additional Required Training for USFS

N9059 (FS)	Crew Resource Management 7 Skills in lieu of A-310*; Equivalency: N9059 for A-310*
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## 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 landing 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 (if applicable)
A-116	General Awareness Security Training
A-200 (3)	Mishap Review
A-219	Helicopter Transport of External Cargo (if applicable)

*Other training that will satisfy the requirement for Aircrew Member (Agency/Bureau specific)*

S-271	Helicopter Crewmember (A-219 is Included)
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## Fixed-Wing Flight Manager

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 (if applicable)
A-112	Mission Planning and Flight Request Process
A-116	General Awareness Security Training
A-200 (3)	Mishap Review

## Fixed-Wing Flight Manager - Special Use

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 (if applicable)
A-112	Mission Planning and Flight Request Process
A-115	Automated Flight Following
A-116	General Awareness Security Training
A-200 (3)	Mishap Review
A-204	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

### Required Training for USFS

N9059 (FS)	Crew Resource Management 7 Skills in lieu of A-310*; Equivalency: N9059 for A-310*
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## Helicopter Flight Manager (DOI Only)

Individual who supervise missions limited to: Point-to-point transport of personnel to/from a developed heliport/helibase or airport, reconnaissance missions below and/or above 500' 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 (if applicable)
A-112	Mission Planning and Flight Request Process
A-115	Automated Flight Following
A-116	General Awareness Security Training
A-200 (3)	Mishap Review
A-204	Aircraft Capabilities and Limitations
A-205	Risk Management I
A-209	Helicopter Operations

## Helicopter Manager - Resource

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. Currently qualified Helicopter Managers (HMGB-NWCG) through PMS 310-1 satisfy the Helicopter Manager-Resource Requirement. Reference - [One-Way NWCG Position to IAT Position Crosswalk](#)

### 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 (if applicable)
A-112	Mission Planning and Flight Request Process
A-115	Automated Flight Following
A-116	General Awareness Security Training
A-200 (3)	Mishap Review
A-204	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
A-311	Aviation Planning

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

S-271	Helicopter Crewmember (A-219 is included)
S-372	Helicopter Management <b>AND</b> Completion of Single Resource Boss Helicopter Task Book <b>OR</b> Resource Helicopter Manager Task Sheet <i>(Agency/Bureau specific)</i>

### Required Training for USFS

N9059 (FS)	Crew Resource Management 7 Skills in lieu of A-310*; Equivalency: N9059 for A-310*
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### To Maintain Currency for USFS

RT9059F(3)	CRM 7 Skills Refresher; Equivalency: RT9059F for A-310*
RT-372 (3)	Helicopter Manager Workshop (3)



## 2017 IAT Position Requirements Matrix

		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 (USFS)
<b>YELLOW</b> = 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														
<b>BOLD</b> -Course Available Online														
X = Requires Completion Once														
3 = Requires initial completion and every 3 years														
CODE	COURSE TITLE													
A-100	Basic Aviation Safety	5	3	3	X	3	3	3	3	3		X		
A-102	USFS Alaska Region Fixed-Wing Safety	1	<i>As specified by bureau or agency policy</i>											
A-103	FAA NOTAM System	1		X	X									
A-104	Overview of Aircraft Capabilities & Limitations	1		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 (*if applicable)	2	3*	3*	X	3*	3*		3*	3*		3*		
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-116	General Awareness Security Training	.5	X		X	X	X		X	X		X		
A-200	Mishap Review	2	3	3	3	3	3	3	3	3		3	3	3
A-202	Interagency Aviation Organizations	1.5		X	X									
A-203	Basic Airspace	3		X	X									
A-204	Aircraft Capabilities & Limitations	2		X	X		X		X	X		X		
A-205	Risk Management-I	2		X	X		X		X	X		X		
A-207	Aircraft Flight Scheduling	1		X				X						
A-208	Aircraft and Pilot Approval	2			X									
A-209	Helicopter Operations (helicopter aircrew member)	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	<i>Reference Part 3 Interagency Aviation Training</i>											
A-223	Water Ditching and Survival Train-The-Trainer	24	<i>Instructor Certification</i>											
A-225	IAT Instructor Update	1.5												
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 Parts I & II	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	<i>As specified by bureau or agency policy</i>											
* Line managers must complete the M-3 Aviation Management for Supervisors OR M-2 Aviation Management Line Managers Briefing every 3 years.														
M-3*	Aviation Management for Supervisors - DOI	4									3		3	
M-2*	Aviation Management Line Managers Briefing - DOI	2									3			
<b>USFS Required Training</b>														
A-314	Aviation Program Overview for Forest Service Agency Administrators	2												3
N9059**	Crew Resource Management 7 Skills **in lieu of A-310	3			X		X			X		X		
RT9059F**	Crew Resource Management 7 Skills Refresher**in lieu of A-310	1.5								3				

## 2017 One Way S-Course (NWCG) to A-Course(s) 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.

	CODE	COURSE TITLE	S - COURSE																																																		
			S-270 Basic Air Operations	S-271 Helicopter Crewmember	S-273 SEAT Manager	RT-273 SEAT Manager Refresher	S-371 Helibase Manager	S-372 Helicopter Manager	RT-372 Helicopter Manager Refresher	S-378 Air Attack Group Supervisor	S-375 Air Support Group Supervisor	S-470 Air Operations Branch Director																																									
<b>IAT COURSES</b>	A-100	Basic Aviation Safety																																																			
	A-104	Overview of Aircraft Capabilities & Limitations	E																																																		
	A-107	Aviation Policy & Regulations-I																																																			
	A-109	Aviation Radio Use																																																			
	A-110	Aviation Transportation of HAZMAT (if applicable)																																																			
	A-112	Mission Planning & Flight Request Process																																																			
	A-115	Automated Flight Following																																																			
	A-116	General Awareness Security Training																																																			
	A-200	Mishap Review																																																			
	A-202	Interagency Aviation Organizations																																																			
	A-203	Basic Airspace					E																																														
	A-204	Aircraft Capabilities & Limitations																																																			
	A-205	Risk Management-I																																																			
	A-207	Aircraft Flight Scheduling																																																			
	A-208	Aircraft and Pilot Approval																																																			
	A-209	Helicopter Operations						E																																													
	A-216	Aircraft Operations Security																																																			
	A-218	Aircraft Pre-Use Inspection																																																			
	A-219	Helicopter Transport of External Cargo (if applicable)																																																			
	A-302	Personal Responsibility & Liability																																																			
	A-303	Human Factors in Aviation																																																			
	A-304	Aircraft Maintenance																																																			
	A-305	Risk Management-II																																																			
	A-306	Aviation Contract Administration Parts I & II																																																			
	A-307	Aviation Policy and Regulations-II																																																			
	A-309	Helicopter Flight Manuals																																																			
	A-310	Overview of Crew Resource Management																																																			

## 2017 One-Way NWCG Position to IAT Position Crosswalk

NWCG Position		IAT Position									
		Aircrew Member <sup>1</sup>	Fixed-Wing Flight Manager	Fixed-Wing Flight Manager Special Use	Helicopter Flight Manager	Flight Follower	Helicopter Manager- Resource	Aviation Dispatcher	Project Aviation Manager	Aviation Manager	Supervisor
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									
HEB1/2	Helibase Manager	X			X				X		
HLCO	Helicopter Coordinator	X			X						
HECM	Helicopter Crewmember	X									
HMGB	Helicopter Manager	X	X <sup>2</sup>		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.

**Note<sup>1</sup>:** 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<sup>2</sup>:** HMGB wishing to act as a Fixed-Wing Flight Manager shall complete A-100 Basic Aviation Safety.

## Part 3 Interagency Aviation Training Instructor Certification

Also See [DOI OPM-04 \(7\) Interagency Aviation Training Instructor Certification](#)

### 1. Interagency Aviation Training Instructor Certification

Individuals certified to instruct the Interagency Aviation Training program curriculum will be approved to teach courses based on the following process:

- 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.

Individuals instructing NWCG aviation courses are required to meet instructor qualifications within the NWCG Field Managers Course Guide or individual course instructor guides.

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

### B. Requirements.

1. **Initial Instructor Certification.** Instructors must complete A-220 Train-The-Trainer (IAT) or M-410 Facilitative Instructor (NWCG). Prior to Instructor certification, instructors must be evaluated their respective agency DOI OAS Chief, Aviation Safety, Training, and Program Evaluations Division (ASTPE), USFS National Aviation Training Program Manager (ATPM) or their Bureau designee. Designee approval must be in writing.

**NOTE:** Subject matter experts may be authorized to teach courses in their related fields. (Examples of this might include: Contracting Officers (A-306), Solicitors (A-302), Pilot Inspectors (A-204/208/209), Maintenance Inspectors (A-304) Accident Investigators (A-200/205/305), and Bureau Aviation Managers (A-107/M-2/M-3).

In lieu of completing A-220 or M-410, potential instructors may request course/experience equivalency from their respective DOI OAS Chief STPE or USFS ATPM for other instructor training courses or experience. Requests should be routed and supported through the bureau/agency national aviation manager.

Upon certification, instructors are authorized to teach the A-100 Basic Aviation Safety Course.

It is highly recommended that certified instructors that have only completed M-410, also complete the A-225 course to understand the process of adding a course offering and the completion of a course roster on the IAT website.

2. **Authorization to instruct Interagency Aviation Training courses in addition to A-100.** Instructors wishing to teach additional courses shall follow the process outlined below.

Instructor shall meet the requirements of Part 3, 1 (B) (1) above.

Must have successfully completed the course as a student, or have been granted equivalency by DOI OAS Chief ASTPE or USFS ATPM or their Bureau designee.

To be granted authorization to teach each additional course, instructors must be evaluated by the DOI OAS Chief ASTPE or USFS ATPM or designee. Evaluators shall forward the completed documentation (OAS-105) to the DOI OAS Chief ASTPE or USFS ATPM (as appropriate).

3. **Additional Instructor Prerequisites.** Some courses require additional instructor prerequisites beyond Part 3 (1) (B) (2) above.
4. Instructors seeking authorization to teach specific courses based on past training or experience shall submit the request through their bureau aviation manager (DOI-BAM) or regional aviation safety managers (USFS-RASM) with their concurrence. If approved the request will be submitted to DOI OAS Chief ASTPE or USFS ATPM for approval.

**Note:** Instructors are encouraged to co-teach with a qualified instructor prior to requesting the authorization.

C. **Maintaining Interagency Aviation Training Instructor Certification.** Instructors must do the following to maintain certification:

1. Have agency/bureau and supervisor approval.
2. Teach a minimum of one Interagency Aviation Training course every 36 months.
3. Complete course management processes [e.g. registering class on Interagency Aviation Training (IAT) web site, having student's complete OAS-111 course evaluations, closing out course, etc.] for every class taught within 90 days of course completion.
4. Complete an A-225 Interagency Aviation Training Instructor Update session once every 36 months (3 years).
5. Instructors not meeting the above requirements may work with their bureau/agency aviation manager in partnership with DOI OAS Chief ASTPE and USFS ATPM for recertification.

D. **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 7 do not need to be completed in sequence)

1. Meet criteria in Part 3, 1(B)(1),(2)
2. Successfully complete the A-312 course as a student.
3. Hold a current CPR and basic first aid certificate.
4. Must complete A-223 Water Ditching and Survival Train-The-Trainer, instructed by a qualified cadre. Basic water rescue is included in the curriculum.
5. A qualified A-312 instructor will mentor an instructor trainee. Mentoring will be performance based.

The instructor trainee must:

- a. Observe/assist a qualified instructor presenting the entire course.
- b. Instruct under the supervision of a qualified instructor.

- c. Demonstrate thorough knowledge of emergency procedures.
- d. Complete the Instructor Trainee Task Sheet.

The final instructor certification will be documented on the OAS-105 Instructor Evaluation and Certification Form by an OAS/USFS A-223 Water Ditching and Survival Train the Trainer instructor or approved designee. Designee approval will be in writing from the DOI OAS Chief ASTPE or USFS ATPM.

**NOTE:** Each certification session shall be limited to two instructor trainees per class. A-312 instructors are strongly encouraged to successfully complete training at a commercial water ditching facility at least once.

6. Currency:

- a. Instructors must meet the requirements in Part 3, 1 (C). Maintaining Interagency Aviation Training Instructor Certification.
- b. Co-instruct A-312 once every 36 months.
- c. Hold current CPR and basic first aid cards.
- d. Provide copies of current training certificates to OAS-TB (CPR and First-Aid) to be filed in the permanent instructor folder at OAS.
- e. Attend an A-223 Instructor Refresher Course or Water Ditching & Survival Workshop once every 36 months.

7. Recertification. Instructors who have not maintained currency (excluding First-Aid and CPR) must meet the following requirements to recertify:

- a. Contact DOI OAS Chief ASTPE/Bureau Leads/USFS Aviation Training Program Manager (USFS ATPM) to initiate recertification.
- b. Demonstrate knowledge and competency to an OAS, USFS A-223 instructor or approved designee. Designee approval will be in writing from their respective bureau Lead. (This may be accomplished by instructing an A-312 course)

E. A-223 Water Ditching and Survival Train the Trainer Instructor. Individuals certified to instruct course A-223

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

Certification Requirements Instructors must be:

- a. Qualified and current as an A-312 Water Ditching & Survival Instructor.
- b. A-223 Instructors will maintain basic water rescue or lifeguard certification.
- c. A-223 instructors are required to complete a commercial water ditching course at least once. Courses will be approved by OAS-TB or the Bureaus or the USFS. 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.
- d. OAS-TB Training Specialists and USFS A-223 Instructors are required to complete a commercial water ditching course once every 36 months.

# Part 4 Course Catalog

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## 100 Level Courses

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All 100 level courses are available online at <https://www.iat.gov/>, and may be offered as Instructor Led (Classroom) classes, Webinar classes or at ACE/Workshop Events.

### **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).

Class length: 5.0 hours

Course Prerequisites: None

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

### **A-102 USFS Alaska Region Fixed Wing Safety**

This course was specifically designed for U.S. Forest Service employees that utilize aircraft in the Alaska Region (Region 10) of the U.S. Forest Service.

Class length: 1 hour

Course Prerequisites: None

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

### **A-103 FAA NOTAM System**

The class will focus on (1) explaining the Federal Aviation Administration's (FAA) Notice to Airmen (NOTAM) System and mission-appropriate NOTAMs, (2) the difference between the nine temporary flight restrictions (TFR), and (3) the criteria and factors that impact a TFR.

Class length: 1 hour

Course Prerequisites: None

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

### **A-104 Overview of Aircraft Capabilities and Limitations (Helicopter/Fixed-Wing)**

This course provides a fundamental understanding of aircraft performance, capabilities and limitations. Emphasis is placed on selecting the "right tool for the job".

Class length: 1 hour

Course Prerequisites: None

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

### **A-107 Aviation Policy and Regulations I**

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

**Class length:** 1 hour

**Course Prerequisites:** None

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

### **A-109 Aviation Radio Use**

Provides a basic understanding on the operation of aircraft radios including: VHF-AM, multichannel and agency required radios. Covers communication requirements, radio tones and their use, and communication systems within aircraft. Also includes the use of Air Guard, frequency management, and radio discipline.

**Class length:** 2 hours

**Course Prerequisites:** None

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

### **A-110 Aviation Transportation of Hazardous Materials**

This training complies with U.S. Department of Transportation Regulations 49 CFR 171.2 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 include handling procedures, policy requirements, mishap notification, packaging, identifying hazardous materials, and safety requirements.

**Class length:** 2 hours

**Course Prerequisites:** None

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

### **A-112 Mission Planning and Flight Request Process**

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, and pilot and aircraft approval.

**Class length:** 1 hour

**Course Prerequisites:** None

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

### **A-113 USFS Crash Survival for R-10 Employees**

This course was specifically designed for U.S. Forest Service employees that utilize aircraft in the Alaska Region (Region 10) of the U.S. Forest Service.

**Class length:** 1 hour

**Course Prerequisites:** None

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



### **A-115 Automated Flight Following (AFF)**

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

**Class length:** 2 hours

**Course Prerequisites:** None

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

### **A-116 General Awareness Security Training**

This course is designed to provide students with an introduction to DOI and USFS departmental aviation security requirements.

**Class length:** 30 minutes

**Course Prerequisites:** None

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

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## ***200 Level Courses***

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*200 level courses are available online at <https://www.iat.gov/>, and may be offered as Instructor Led (Classroom), Webinar, or at ACE/IAT Workshop Events.*

### **A-200 Mishap Review**

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

**Class length:** 2 hours

**Course Prerequisites:** None

**Instructor Requirements:**

- 1) Reference Part 3 (1) (B) of IAT Guide
- 2) Requests to offer Instructor Led Presentation:
  - a. **DOI content:** Authorization by the DOI OAS Chief ASTPE:
    - 1) For Bureau Aviation Safety Managers - Annually
    - 2) For other DOI personnel - per course offering
  - b. **USFS content:** Authorization from RASM or USFS ATPM - Annually

### **A-202 Interagency Aviation Organizations**

This course is designed to provide participants knowledge of the aviation management organizations within the Department of the Interior and the USDA Forest Service.

**Class length:** 2 hours

**Course Prerequisites:** None

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

### **A-203 Basic Airspace**

Covers the basics about the National Airspace System covering Class A-G airspace, Special Use Airspace, Military Training Routes, Cruise Missile Routes, Slow Routes, and LATNs. Instruction will include how to read and plot on an aeronautical sectional and a Department of Defense AP1/B flight information publication book and charts. 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.

**Class length:** 3 hours

**Course Prerequisites:** None

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

### **A-204 Aircraft Capabilities and Limitations (Helicopters/Fixed-Wing)**

Covers the identification and basic capabilities of helicopters and airplanes to include aircraft commonly utilized by course participants. Course identifies aircraft performance, capabilities and limitations. Covers the four forces and the principles that effect flight. Stresses the fundamentals of aircraft performance planning to include weight, balance, and density altitude.

**Class length:** 2 hours

**Course Prerequisites:** None

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

### **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 environment.

**Class length:** 2 hours

**Course Prerequisites:** None

**Instructor Requirements:** 1) Reference Part 3 (1) (B) of IAT Guide; 2) Completion of A-305 Risk Management II

### **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.

**Class length:** 1 hour

**Course Prerequisites:** None

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

### **A-208 Aircraft and Pilot Approval**

To provide a clear understanding of the Department of the Interior's Office of Aviation Services (DOI-OAS) and the USDA US Forest Service (USFS) inspection of aircraft, pilots and support equipment. To include preflight inspections, maintenance, contract and agency policy regarding aircraft equipment and condition requirements as well as operating handbooks and agency carding requirements. Also, the role of the user and how they can support the quality assurance of our carding process.

**Class length:** 2 hours

**Course Prerequisites:** None

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

### **A-209 Helicopter Operations**

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, and specialized missions.

**Class length:** 8 hours

**Course Prerequisites:** None

**Instructor Requirements:** 1) Reference Part 3 (1) (B) of IAT Guide; 2) Helicopter Manager-Resource or Helicopter Manager (HMGB-NWCG)

### **A-218 Aircraft Pre-Use Inspection**

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

**Class length:** 30 minutes

**Course Prerequisites:** None

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

### **A-219 Helicopter Transport of External Cargo**

Provide 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. The instructor may choose to incorporate one or both activities.

**Class length:** 8 hours

**Course Prerequisites:** A-100 Basic Aviation Safety OR S-271 Helicopter Crewmember AND A-110 Aviation Transportation of Hazardous Materials

**Instructor Requirements:** 1) Reference Part 3 (1) (B) of IAT Guide; 2) Qualified and current as a Helicopter Manager-Resource (IAT) or Helicopter Manager (HMGB-NWCG)

### **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). Emphasis is on increasing program knowledge and enhancing presentation skills. Prior attendance at an instructor's training course is strongly encouraged.

**Class length:** 32 hours

**Course Prerequisites:** A-100 Basic Aviation Safety course completion within the past 12 months.

**Instructor Requirements:** 1) Reference Part 3 (1) (B) of IAT Guide; 2) Scheduling this course requires coordination with the DOI OAS Chief ASTPE or USFS ATPM.

### **A-223 Water Ditching and Survival Train-The-Trainer**

This course is designed to provide participants with the knowledge and skills necessary to safely instruct the A-312 Water Ditching and Survival course. Scheduling this course requires authorization from DOI OAS Chief ASTPE or USFS ATPM.

**Class length:** 32 hours

**Course Prerequisites:** None

**Instructor Requirements:** 1) Reference Part 3 (1) (E) of IAT Guide 2) Requires authorization from DOI OAS Chief ASTPE or USFS ATPM.

### **A-225 IAT Instructor Update**

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

**Class length:** 1.5 hours

**Course Prerequisites:** None

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

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## ***300 Level Courses***

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*300 level courses are offered as Instructor Led (Classroom), Webinar or at ACE/IAT Workshop Events.*

### **A-302 Personal Responsibility and Liability**

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

**Class length:** 2 hours

**Course Prerequisites:** None

**Instructor Requirements:** 1) Reference Part 3 (1) (B) of IAT Guide; 2) 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.

**Class length:** 2 hours

**Course Prerequisites:** None

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

### **A-304 Aircraft Maintenance**

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 and return to contract availability

**Class length:** 2 hours

**Course Prerequisites:** None

**Instructor Requirements:** 1) Reference Part 3 (1) (B) 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 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, USFS-BLM Aviation Risk Management Handbook 2011, and DOI OPM-06 Aviation Management Plans

**Class length:** 4 hours

**Course Prerequisites:** A-205 Risk Management I

**Instructor Requirements:** 1) Reference Part 3 (1) (B) of IAT Guide; 2) A-205 Qualified Instructor

### **A-306 Aviation Contract Administration I & II**

This course 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, and emergency hiring of aircraft. The course covers both DOI AQD/USFS aviation contracts.

**Class length:** 6 hours

**Course Prerequisites:** None

**Instructor Requirements:** 1) Reference Part 3 (1) (B) of IAT Guide; 2) Contracting Officer ONLY

### **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 USFS Forest Service Manual 5700).

**Class length:** 4 hours

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

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

### **A-309 Helicopter Flight Manuals**

Technical training on helicopter performance planning.

**Class length:** 2 hours

**Course Prerequisites:** None

**Instructor Requirements:** 1) Reference Part 3 (1) (B) of IAT Guide; 2) Qualified Helicopter Inspector Pilot (HIP), Helicopter Operations specialist (HOS).

### **A-310 Overview of Crew Resource Management**

The purpose of this course is to provide the 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 are Situational Awareness, Communication, Teamwork, Task Allocation, and Decision Making.

**Class length:** 2 hours

**Course Prerequisites:** None

**Instructor Requirements:** Reference Part 3 (1) (B) 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.

**Class length:** 3 hours

**Course Prerequisites:** It is highly recommended that the students complete the A-205 Risk Management I course or have field experience in developing a risk assessment worksheet matrix prior to taking this course.

**Instructor Requirements:** 1) Reference Part 3 (1) (B) of IAT Guide; 2) Must have experience with approval of National, Regional or Unit Aviation Plans.

### **A-312 Water Ditching and Survival**

The 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.

**Class Length:** 8 hours

**Course Prerequisites:** A verbal declaration of an acceptable level of fitness for participation in the pool portion of the class will be requested.

**Instructor Requirements:** 1) Reference Part 3 (1) (D); 2) Two 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**

A synopsis of aviation policy, safety and accident prevention, training and qualification requirements of employees, liability, procurement, and aviation organizations as they relate to line officer responsibilities.

**Class length:** 2 hours

**Course Prerequisites:** None

**Instructor Requirements:** 1) Reference Part 3 (1) (B) of IAT Guide; 2) See USFS ATPM for current course curriculum.

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

This webinar course refresher 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 PFD's, life raft, and water survival equipment. The course is an academic refresher ONLY. This refresher is required by USFWS only, but other bureaus/agencies may benefit as well.

**Class length:** 2 hours

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

**Instructor Requirements:** Reference Part 3 (1) (D)

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## **Management Level Courses**

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Management level courses may be available online at <https://www.iat.gov/>, Instructor Led (Classroom), Webinar or at ACE/ IAT Workshop Events.

### **M-2 Aviation Management Line Managers Briefing**

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, and risk management. Meets the DOI requirements of 352 DM1 (1.5 B). Equivalency: Completion of M-3 will meet the M-2 requirement.

**Class length:** 2 hours

**Course Prerequisites:** None

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

### **M-3 Aviation Management Training for Supervisors**

Developed for first and second-line supervisors directly 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, and risk management. Meets the DOI requirements of 352 DM1 (1.5 B).

**Class length:** 4 hours

**Course Prerequisites:** None

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

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## 400 Level Courses

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400 level courses are offered as Instructor Led (Classroom), Webinar or at ACE/IAT Workshop Events.

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

This course is the fundamental sUAS course for those wanting to become qualified to operate sUAS for the Department of Interior. 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 start a sUAS program.

**Class length:** 32 hours (does not include required pre-work)

**Course Prerequisites:** Reference OPM-11

**Instructor Requirements:** Reference OPM-11 and your sUAS program manager for guidance

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

DOI Remote Pilots must complete UAS refresher training (A-452R) or approved equivalent every 24 months following the issuance of their OAS-30U.

Current DOI Remote Pilots participating in either A-450 or A-452R, as a student or 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 [iat.gov](http://iat.gov) website. Whether 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 in person.

Students that attend a distance learning module are expected to review and fly the "Basic flight exercises." You can find them on the DOI A-450 Basic Remote Pilot web page. <https://sites.google.com/a/firenet.gov/oas-a450/> Navigate to the "A-450 Basic RP course" tab and then to the "Flight training exercises and OAS-69U" link. You may also find copies attached to this page. Please complete your flights prior to attending A-452R, or before your expiration date of your OAS-30U card, which ever is first.

**Class length:** 2 Hours

**Course Prerequisites:**

1. A-450 Small Unmanned Aircraft System (sUAS) Basic Remote Pilot Course.
2. Current qualification as a DOI remote pilot

**Instructor Requirements:** Reference OPM-11 and your 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 qualified pilots that want to add additional DOI approved sUAS platforms to their DOI Remote Pilot Card.

**Class length:** Platform dependent

**Course Prerequisites:**

1. A-450 Small Unmanned Aircraft System (sUAS) Basic Remote Pilot Course
2. Program management approval as outlined in OPM-11
3. Funding secured for platform purchase
4. Current qualification as a DOI remote pilot

**Instructor Requirements:** Reference OPM-11 and your 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 small sUAS. This is not an operator course. This course will provide managers and overview of how to start a sUAS program along with the requirements for operating a sUAS in the national airspace system and while working for DOI.

**Class length:** 2 hours

**Course Prerequisites:** None

**Instructor Requirements:** Reference OPM-11 and your sUAS program manager for guidance

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### ***USFS Additional Courses***

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#### **N9059 Crew Resource Management 7 Skills (USFS)**

This course explains the importance/history of CRM, introduces the 7 skills of CRM (Decision Making, Assertiveness, Mission Analysis, Communication, Leadership, Adaptability/Flexibility, and Situational Awareness) and checks for understanding through practical skill application through facilitated scenarios. Meets requirements for equivalency for A-310 Overview of Crew Resource Management.

**Class Length:** 3 hours

**Instructor Requirements:** 1) Reference Part 3 (1) (B) of IAT Guide); 2) FS509 Crew Resource Management 7 Skills Train-the-Trainer Course.

**Course Prerequisites:** None

#### **RT9059F Crew Resource Management 7 Skills - Refresher (USFS)**

This refresher course reviews the importance/history of CRM, and checks for understanding through practical skill application through facilitated scenarios. Currency requirements: every 3 years.

**Class Length:** 1.5 hours

**Instructor Requirements:** 1) Reference Part 3 (1) (B) of IAT Guide); 2) FS509 Crew Resource Management 7 Skills Train-the-Trainer Course.

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