

NOAA Aviation Safety Minimum Training Standards

Aviation safety training is an essential component of the NOAA Aviation Safety Program. The following table outlines training requirements for qualified non-crewmembers participating in Mission Operations flights for NOAA:

Aviation Safety Training						
Training Method		NOAA E-Learning		Egress Video	Classroom and Hands-on	Classroom and Hands-on
Training Frequency		annual	annual	annual	once every 5 years	one time
Flight Purpose and Environmental Conditions	Personnel	NOAA Aviation Policy and Procedures	Basic Aviation Safety and Survival	Water Ditching, Safety and Survival		Aviation Safety and Cold Weather Survival
Mission Operations over land	NOAA	√	√			
	Non-NOAA		√			
Mission Operations over water	NOAA	√	√	√	√	
	Non-NOAA		√	√	√	
Mission Operations in cold weather (<32F air temp)	NOAA	√	√			√
	Non-NOAA		√			√

Note: NOAA Personnel may request more frequent training than what is listed above

In addition to aviation safety training requirements, NOAA has a requirement for use of Aviation Life Support Equipment (ALSE) as indicated in the table below:

Aviation Life Support Equipment (ALSE) required to be carried in the aircraft or worn by personnel				
Flight Purpose and Environmental Conditions	Life Raft of sufficient capacity for all aircraft occupants	Personal Floatation Device (PFD) (Life Vest)	Personal Emergency Locator Transmitter	Anti-Exposure Suit
Mission Operations overwater	√	√	√	
Mission Operations over cold water (<59F water temp and/or <32F air temp)	√	√	√	√

NOAA ALSE or equipment of similar design should be used in the training environment whenever possible.

To qualify as an approved aviation safety training source for water survival and cold weather survival, at a minimum, the following subjects must be covered:

Water Ditching Safety and Survival

Water survival training must include hands-on training in a swimming pool or in open water. Each student must participate in the water-portion of the training.

- Basic survival swimming skills
- Emergency landings
- Crash survival
- Ditching at sea
- Emergency egress
- Survivor Emergency First-Aid
- Survival vest
- Utilization of life preservers
- Utilization of flares & signaling devices
- Utilization of flares & signaling devices
- Operation of personal locator beacons
- Survival in open water
- Hypothermia prevention
- Utilization of signal mirrors
- Utilization of Survival radios
- Utilization of dye markers
- Utilization of life rafts and contents

Additional requirements for cold water (<59F water temp and/or <32F air temp)

- Anti-exposure systems
- Cold water survival skills

Cold Weather Land Survival

- Survival psychology
- Clothing & footwear requirements
- Cold weather injuries
- Winter shelters
- Water location
- Snowmelting devices
- Cold weather survival kits
- Signaling methods
- Using aircraft and equipment as tools for survival
- Animal predators
- Firemaking skills
- Food Requirements for cold weather
- Priorities in a cold environment
- Travel considerations
- Avalanche Hazards