

## **GENERAL**

### **1. Demonstrate donning and doffing personal protective clothing (PPE).**

REFERENCE: NFPA 1003, 2019 Edition, 4.1.1.4

CONDITION: Given a helmet, hood, boots, gloves, coat and pants.

COMPETENCE:

- Don hood.
- Don and fasten all closures on pant/boots, and coat.
- Don helmet and tighten chinstrap, helmet earflaps down.
- Don gloves.

TIME: 1:00 Minutes to Don, no time for Doffing

## **RESPONSE**

### **2. Develop a response plan to an incident/accident on or off the airport so that the route selected provides the most efficient access to the site.**

REFERENCE: NFPA 1003, 2019 Edition, 4.2.1

CONDITION: Given an assignment, operating conditions, a location, a grid map, and a vehicle.

COMPETENCE:

- Locate proper grid coordinates.
- Identify lighting used on taxiways/runways.
- Identify taxiway locations and identification markers.
- Identify runway locations and identification markers.
- Identify approach and departure ends of runway based on information given.
- Identify ILS area.
- Identifies the most efficient response route to the incident or accident.

TIME: 4:00 Minutes

### **3. Communicate critical incident information regarding an incident/accident on or adjacent to an airport so that the information provided accurate and sufficient for the incident commander to initiate an attack plan.**

REFERENCE: NFPA 1003, 2019 Edition, 4.2.2

CONDITION: Given an assignment involving an incident or accident, an IMS plan and a portable radio.

COMPETENCE:

- Follows proper radio procedure
- Reports on-scene and describes the conditions found:
  - Aircraft type
  - Type of incident/accident
  - Life safety concerns
  - Exposures
- Reports hazards or special concerns
- Reports first actions to be performed by the unit

TIME: 1:00 Minute

**4. Communicate with air traffic control facilities so that all required clearances are obtained.**

REFERENCE: NFPA 1003, 2019 Edition, 4.2.3

CONDITION: Given a response destination on or adjacent to an airport and radio equipment (may be simulated).

COMPETENCE:

- Utilizes proper radio terminology (call signs, phonic alphabet, etc.)
- Identifies unit calling and requests emergency clearance
- Identifies:
  - Starting point
  - Intended destination
  - Intended path of travel
- Confirms clearance with ground control
- Acknowledges clear from tower

TIME: 4:00 Minutes

**5. Perform an airport standby operation so that unsafe conditions are detected and mitigated in accordance with the airport policies and procedures.**

REFERENCE: NFPA 1003, 2019 Edition, 4.2.4

CONDITION: Given an assignment, a hazardous condition, airport standby policies and procedures.

COMPETENCE:

- Choose most appropriate route to runway.
- Indicates proper staging area.
- Verbally states that apparatus must be staged a safe distance from the runway.
- \*Observe possible hazardous conditions and mitigate the hazard.

TIME: 3:00 Minutes

## **FIRE SUPPRESSION**

**6. Demonstrate the extinguishment of a 786 sq. ft. aircraft fuel spill fire so that the agent is applied using the proper techniques and the fire is extinguished.**

REFERENCE: NFPA 1003, 2019 Edition, 4.1.1.4, 4.3.1

CONDITION: Given PPE, SCBA, an assignment, an ARFF vehicle handline flowing minimum of 95 gpm of AFFF extinguishing agent, a 786 sq. ft. fire.

COMPETENCE:

- Approaches the fire from the best position (upwind if possible).
- Charges the handline and adjusts the nozzle to produce an effective stream.
- Opens and closes nozzle slowly.
- Applies extinguishing agent in a sweeping motion.
- Avoids disturbing the foam blanket.
- Verbalizes the area would be monitored for re-ignition and agent would be reapplied as necessary.

TIME: 90 Seconds

**7. Demonstrate the extinguishment of a 1923-sq. ft. aircraft fuel spill fire so that the agent is applied using the proper techniques and the fire is extinguished.**

REFERENCE: NFPA 1003, 2019 Edition, 4.1.1.4, 4.3.2

CONDITION: Given PPE, an assignment, an ARFF vehicle turret with flow rate of 250 gpm, and 1923-sq. ft. fire.

COMPETENCE:

- Selects and operates the appropriate turret(s).
- Manages the agent with accurate/effective stream placement on the fuselage while maintaining an escape corridor.
- Verbalizes the area would be monitored for re-ignition and agent would be reapplied as necessary.

TIME: 90 Seconds

**8. Demonstrate a three-dimensional aircraft fuel fire so that a dual agent attack is used, the agent is applied according to procedures, the fire is extinguished and the fuel source is secured.**

REFERENCE: NFPA 1003, 2019 Edition, 4.1.1.4, 4.3.3

CONDITION: Given PPE, SCBA, an assignment, and ARFF vehicle handline(s) using primary and secondary agents, acting as a member of a team.

COMPETENCE:

- Select appropriate agent.
- Approaches the fire from best position (upwind if possible).
- Charges the handline and adjusts the nozzle to produce an effective stream.
- Opens and closes the nozzle slowly.
- Applies the primary agent to control the fire.
- Applies the secondary agent as needed to control the fire.
- Verbalizes the area would be monitored for re-ignition and agent would be reapplied as necessary.

TIME: 3:00 Minutes

**9. Demonstrate an attack on the interior of an aircraft so that the agent is applied with proper techniques and the fire is controlled and accident scene evidence is identified, protected and reported.**

REFERENCE: NFPA 1003, 2019 Edition, 4.3.4, 4.3.9

CONDITION: Given PPE, SCBA, an assignment, and ARFF vehicle handline, extinguishing agent, Interior fire (may be simulated) ladders, forcible entry tool(s), barrier tape, acting as a member of a team.

COMPETENCE:

- Selects appropriate access for entry.
- Selects ladder(s) and positions ladders for access to fuselage.
- Charges the handline and adjusts the nozzle to produce an effective pattern.
- Accesses and gains entry into the aircraft.
- Opens and closes the nozzle slowly.
- Applies agent to effect extinguishment.
- Verbalizes the area would be monitored for re-ignition and agent would be reapplied as necessary.
- Evidence is identified, protected, and reported.

TIME: 10:00 Minutes

**10. Demonstrate an attack on an aircraft engine or auxiliary power unit (APU)/ emergency power unit (EPU) fire on an aircraft so that the fire is extinguished and the engine or APU/EPU is secured.**

- REFERENCE: NFPA 1003, 2019 Edition, 4.1.1.4, 4.3.5
- CONDITION: Given PPE, SCBA, an assignment, and ARFF vehicle handline or turret, correct agent, acting as a member of a team.
- COMPETENCE:
- Selects appropriate agent.
  - Approaches with awareness of the intake hazard.
  - Charges the handline and adjusts the nozzle to produce an effective stream.
  - Opens and closes the nozzle slowly.
  - Applies the extinguishing agent to effect control of the fire.
  - Verbalizes the area would be monitored for re-ignition and agent would be reapplied as necessary.
  - Secure engine from cockpit.
- TIME: 3:00 Minutes

**11. Demonstrate an attack on a wheel assembly fire so that the fire is controlled.**

- REFERENCE: NFPA 1003, 2019 Edition, 4.3.6
- CONDITION: Given PPE, SCBA, an assignment, and ARFF vehicle handline, correct agent, acting as a member of a team.
- COMPETENCE:
- Selects appropriate agent(s).
  - Approaches the fire from fore or aft of the tire assembly.
  - Applies the agent to the tire assembly from a safe distance.
  - Identify hazards associated with a tire assembly fire.
  - Extinguishes the fire and cools the tire assembly area.
- TIME: 5:00 Minutes

**12. Demonstrate ventilation of an aircraft through available doors and hatches so that opening are created and heat and other products of combustion are remove in order to aid passengers egress and rescue.**

- REFERENCE: NFPA 1003, 2019 Edition, 4.1.1.4, 4.3.7
- CONDITION: Given PPE, SCBA, an assignment, tools, mechanical ventilation devices, and acting as a member of a team.
- COMPETENCE:
- Selects appropriate position for the fan based on the fire.
  - Verifies that exhaust opening is established.
  - Positions and starts fan to achieve the proper cone effect in the primary opening.
  - Checks the airflow and adjusts if necessary.
  - Clears aircraft of smoke and gases.
  - Assist passenger exit/egress from interior if needed.
- TIME: 10:00 Minutes

**13. Replenish extinguishing agents so that agents are available for application by the ARFF vehicle.**

REFERENCE: NFPA 1003, 2019 Edition, 4.3.8

CONDITION: Given an assignment, an ARFF vehicle, fixed or mobile water source, a supply of agent, supply lines and fittings acting as a member of a team.

COMPETENCE:

- Flushes the hydrant then connects the supply line from the hydrant to the vehicle to the vehicle intake.
- Operate control valves for water and foam tanks
- Properly operates the hydrant ad valves to fill the water tank.
- Properly closes valves when tank is full.
- Fill tank(s) to appropriate levels.
- Closes tank vent covers, disconnects hose, and returns intake cap.

TIME: 20:00 Minutes

**14. Demonstrate the overhaul of an accident scene so that all fires are extinguished and all property is protected from further damage.**

REFERENCE: NFPA 1003, 2019 Edition, 4.1.1.4, 4.3.9, 4.3.10

CONDITION: Given PPE, SCBA, an assignment, handlines, property conservation equipment (salvage covers) acting as a member of a team.

COMPETENCE:

- Cools the affected area.
- Secure area and denies entry to preserve the scene so that evidence is not disturbed.
- Checks the fire-damaged areas for hidden fire or fire extension.
- Deploys salvage covers where necessary.
- Avoid unnecessary movement of evidence.
- \*Identifies aircraft parts and documents position if moved.
- \*Identifies remains and documents position if moved.

TIME: 10:00 Minutes

**RESCUE**

**15. Demonstrate the ability to gain access into and out of an aircraft through normal entry points and emergency hatches, shut down and safety the aircraft and assist in the evacuation process so that passenger evacuation and rescue can be accomplished.**

REFERENCE: NFPA 1003, 2019 Edition 4.1.1.4, 4.4.1, 4.4.2

CONDITION: Given PPE, SCBA, an assignment, ladder, rescue tools, acting as a member of a team.

COMPETENCE:

- Positions the ladder at the assigned entry point with consideration for wind direction, movement of the door or hatch, and aircraft danger areas.
- Positions the ladder at the proper angle of inclination and heels the ladder for safety.
- Climbs the ladder, operates the locking mechanism and opens or removes the door/hatch.
- Enters the aircraft and establishes an interior search pattern.
- Locates and disentangles the victim.
- Removes the victim from the aircraft through the assigned exit and down a ladder.
- Removes the victim from the immediate accident area.

TIME: 10:00 Minutes

**16. Demonstrate the ability to implement initial triage of the victims of an aircraft accident so that each victim is evaluated and correctly categorized according to protocol.**

REFERENCE: NFPA 1003, 2019 Edition, 4.1.1.4, 4.4.3

CONDITION: Given PPE, an assignment, triage protocol, triage tags, stretcher, acting as a member of a team.

COMPETENCE:

- Evaluates immediate medical concerns (i.e. airway, breathing, circulation).
- Evaluates secondary medical concerns (i.e. bleeding, burns, severe fractures).
- Prioritizes patients as per protocol

TIME: 20:00 Minutes