



TENNESSEE COMMISSION ON FIRE FIGHTING PERSONNEL STANDARDS AND EDUCATION

2161 Unionville Deason Road
Bell Buckle, TENNESSEE 37020
931-294-4140



**AIRPORT RESCUE FIRE FIGHTER
SKILLS TESTING
NFPA 1003 Standard for Airport Firefighter
Professional Qualifications 2015 edition**

NOTES ON USING THESE SKILL SHEETS

Purpose of the Skill Sheets

The Tennessee Commission on Fire Fighting Personnel Standards and Education has developed these skill sheets as the basis for the Airport Rescue Fire Fighter practical examinations. The skill sheets list the Job Performance Requirements (JPR) for an Airport Rescue Fire Fighter and define the level the candidate will be trained and evaluated. It is recommended all candidates be provided the Federal Aviation Administration (FAA) Code of Federal Regulations (CFR) Part 139 and NFPA 1003 Standard for Airport Firefighter Professional Qualifications 2015 edition. Additional resources include but are not limited to IFSTA Essentials of Fire Fighting, Ventilation, & Foam, NFPA 402 Guide for Aircraft Rescue and Firefighting Operations, NFPA 405 Standard for the Recurring Proficiency of Airport Fire Fighters, FAA Advisory Circular 150/5200-31A, 150/5210-7C, and 150/5200-12B.

Safety

Safety of the candidates and evaluators is the top priority. If the Field Representative or an Evaluator sees something that causes a safety concern, he/she must intervene immediately to stop the practice. The safety of all participants takes precedence over all other matters.

Use of these Skill Sheets

1. Each Fire Department has been provided a copy of these skill sheets. It is the Authority Having Jurisdiction (AHJ) responsibility to ensure its applicants are aware of the requirements of the skill sheets as this is from what the practical examination shall be conducted.
2. All candidates must obtain Firefighter I, Firefighter II (NFPA 1001), and Hazardous Materials Awareness as a prerequisite for the written exam. The candidate will also have attended a FAA Live Burn covering Skills 19 to 25. The Candidate must have copy of Live Burn Certificate with original packet.
3. All training for these skill sheets must be accomplished prior to the scheduling and challenging of the written examination. The AHJ Evaluator will provide the candidate his/her instructions for the skill sheet being completed. By submitting an Application for Written Examination, the Applicant and the AHJ are certifying to the Commission that the candidate has been trained according to NFPA 1003 Standards.

Artificialities of Training and Testing

Testing in firefighting can only approximate the real world activities of the firefighter. There are certain artificialities to testing, which must be (and usually are) understood by both the Evaluator and the student. For example, in the testing phases of firefighting general impressions must be verbalized to the evaluator. Clearly, in the field setting, this impression would not be verbalized at the incident. The live fire portion of the skill set must be performed by a FAA FAR 139 "Live Burn" approved training curriculum.

Evaluation

A Representative of the Commission will conduct the practical examination and is in charge of the examination. The Representative will be responsible for coordinating other evaluators, the preparation of the testing site (in conjunction with the host facility), and the process and procedures used during the testing. Evaluators approved by the AHJ who have completed the required training will verify the completion of testing skills based upon the grading criteria of each skill sheet. Representatives and Evaluators are required to perform their duties as outlined by the Commission.

Additional Notes

1. For many of the skill stations full turn out gear is required to perform the task. The evaluator may require that the candidate also perform the skill while wearing SCBA. In these cases the evaluator may decide whether the candidate will be actually breathing air from the bottle or just wearing the SCBA while not using the mask. Because of the increased difficulty in evaluation and servicing the equipment after each skill, this option is left to the evaluator. Evaluators are cautioned though to adequately test each applicant in as realistic conditions as possible.
2. When performing a certain skill the firefighter might also have to perform another firefighter task not directly related to that specific station being tested. In this case it is expected that the firefighter perform these skills correctly and at the appropriate level.
3. Skills must be performed in a certain length of time. The evaluator may use a digital or analog watch to time these skills.
4. Many skills require that equipment be prepared or assembled. Unless the context indicates otherwise, it is permissible to prepare or assemble the required equipment or a device at any time, as long as it does not interfere with skill, task or evolution. The student should know how to prepare or assemble all equipment.
5. Firefighters should not only practice a skill under optimum conditions, but should also practice in more difficult and realistic circumstances as competence increases. Also, it is particularly important to be able to identify and respond rapidly and correctly to equipment malfunctions, improper use of equipment. If during a skill, a team or candidate begins to use a piece of equipment incorrectly, but quickly makes the necessary correction during the evolution, the evaluator may give the candidate credit for correctly completing the task.
6. While performing a skill, task, or evolution, the exact order of the steps (as outlined on the skill sheet) is not critical, unless the steps and order performed are critical to the particular skill. For example, a person must put on turn out clothing before donning a SCBA.
7. Many of the skill sheets involve skills that must be performed as a team. Evaluators are cautioned that while evaluating these scenarios each member of the team is evaluated performing each task. This may mean that the task or skill be repeated. Evaluators must also be aware of team members that may be “carrying” other team members through the skill or task.
8. In a few skill sheets, the firefighter may be asked to verbalize information about a particular task or procedure. In such cases the evaluator must ask questions specifically related to the task or procedure at hand, and must not extend into other areas beyond that being tested. Additionally the questions must be at the appropriate level.

Skills Test # 2

4.1 General Requirements
4.1.1.4 General Skill Requirements

Evaluation Sheet: ARFF 4.1.1.4-B
Standard Area: General Skill Requirement

Candidate: _____ **Acadis#:** _____

Evaluator will identify aircraft/prop used _____

STANDARD: 5.1.1.4 NFPA 1003, 2015 Ed.;	TASK: Operate doors, hatches and evacuation chutes on various aircraft				
PERFORMANCE OUTCOME: The candidate shall be able to properly operate normal entry doors and emergency exits on various aircraft. The candidate shall be able to explain the operation of various emergency chutes.					
CONDITIONS: Given PrPPE and SCBA, the candidate, from both inside and outside the aircraft, shall be able to:					
No.	TASK STEPS AND/OR VERBALIZE	FIRST TEST		RETEST	
	<u>Normal Entry Doors</u>	Pass	Fail	Pass	Fail
1.	Open a normal access door on a commercial jet aircraft (if applicable).				
2.	Open a normal access door on a commuter airliner (if applicable).				
3.	Open a normal access door on a general aviation aircraft (if applicable).				
	<u>Emergency Exits</u>				
4.	Open an over-wing emergency exit on a commercial jet aircraft (if applicable).				
	<u>Emergency Escape Slide</u>				
5.	Explain the operation of the various emergency escape slides (if applicable).				
	OVERALL SKILL TEST OUTCOME				

Supervisor/Evaluator/Comments: _____

Supervisor/Evaluator (Print & Sign) **Date** **Candidate** **Date**

Re-Test Supervisor/Evaluator **Date** **Re-Test Candidate** **Date**

Skills Test # 3

4.1 General Requirements
4.1.1.4 General Skill Requirements

Evaluation Sheet: ARFF 4.1.1.4-C
Standard Area: General Skill Requirement Revised

Candidate: _____ Acadis#: _____

STANDARD: 4.1.1.4 NFPA 1003, 2015 Ed.;		TASK: Initial attack of an aircraft fire with an ARFF vehicle, using proper approach and positioning.			
PERFORMANCE OUTCOME: The candidate shall be able to demonstrate proper approach and positioning while responding to a simulated aircraft fire, and discharge water/AFFF for initial fire attack.					
CONDITIONS: Given PrPPE and an ARFF vehicle, the candidate must demonstrate the ability to determine the appropriate approach and positioning of the apparatus for initial attack.					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
	<u>RESPONSE</u>				
1.	Utilized a proper approach, having determined there were no hazards or topographical limitation along the route.				
2.	Positioned the apparatus properly to provide an escape/rescue route.				
	<u>INITIAL ATTACK</u>				
3.	Demonstrate the ability to engage pump in a timely manner.				
4.	Demonstrate proper operation of turret.				
5.	Demonstrate the shut down of the turret and the pump.				
	OVERALL SKILL TEST OUTCOME				

Supervisor/Evaluator/Comments: _____

Supervisor/Evaluator (Print & Sign)	Date	Candidate	Date
Re-Test Supervisor/Evaluator	Date	Re-Test Candidate	Date

Skills Test # 4

4.1 General Requirements
4.1.1.4 General Skill Requirements

Evaluation Sheet: ARFF 4.1.1.4-D
Standard Area: General Skill Requirement

Candidate: _____ **Acadis#:** _____

Evaluator will identify aircraft/prop used _____

STANDARD: 4.1.1.4 NFPA 1003, 2015 Ed.;	TASK: Shut down aircraft system, including engine, fuel, and electrical systems.
---	---

PERFORMANCE OUTCOME: The candidate shall be able to explain how to shut down the engine, fuel and electrical systems on a given aircraft, and point out the location of all controls utilized for those purposes.

CONDITIONS: Given an aircraft/prop, the candidate shall be able to locate, point out, and explain the shut down operations for the engines, fuel, and electrical systems.

No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
	<u>ENGINE AND FUEL SYSTEMS SHUTDOWN</u>				
1.	Point out and explain the operation of the emergency engine shutdown system in the flight deck.				
2.	Point out and explain the operation of the fuel system shutdown, for emergency shutdown.				
	<u>ELECTRICAL SYSTEMS SHUTDOWN</u>				
1.	Point out and explain the operation of the battery master switches and the generator switches.				
2.	Point out and explain the operation of the APU shutdown in the flight deck (if applicable).				
3.	Locate and explain the operation of the APU shutdown on the exterior panel (if applicable)				
4.	Explain the procedure for disconnecting the aircraft from ground power connections.				
5.	Locate the batteries and explain the procedure for manually disconnecting them.				
	OVERALL SKILL TEST OUTCOME				

Supervisor/Evaluator/Comments: _____

Supervisor/Evaluator (Print & Sign) **Date** **Candidate** **Date**

Re-Test Supervisor/Evaluator **Date** **Re-Test Candidate** **Date**

Skills Test # 6

4.2 RESPONSE
4.2.1 Response to Day and Night Accidents

Evaluation Sheet: ARFF 4.2.1
Standard Area: General Skill Requirement

Candidate: _____ **Acadis#:** _____

STANDARD: 4.2.1 NFPA 1003, 2015 Ed.;	TASK: Respond to day and night incident or accidents on or adjacent to the airport, given an assignment, operating conditions, a location, a grid map, a vehicle, and a prescribed response time, so that the route selected and taken provides access to the site within the allotted time.				
PERFORMANCE OUTCOME: The candidate shall be able to select a response route, day or night, so that the route taken provides access to the site within a three minute time period. Candidate must take into consideration terrain, obstructions, etc.					
CONDITIONS: Given an assignment, operating conditions, a location, a grid map, and a prescribed response time, candidate shall select the appropriate route to meet the above performance outcome.					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Candidate was able to locate the given site of the grid map.				
2.	The most expedient route was taken, considering air traffic, controlled areas, terrain, obstructions, etc.				
	OVERALL SKILL TEST OUTCOME				

Supervisor/Evaluator/Comments: _____

Supervisor/Evaluator (Print & Sign)	Date	Candidate	Date
Re-Test Supervisor/Evaluator	Date	Re-Test Candidate	Date

Skills Test # 7

4.2 RESPONSE
4.2.2 Communicate Critical Information

Evaluation Sheet: ARFF 4.2.2
Standard Area: General Skill Requirement

Candidate: _____ **Acadis#:** _____

STANDARD: 4.2.2 NFPA 1003, 2015 Ed.;	TASK: Communicate critical incident information regarding an incident or accident on or adjacent to the airport, given an assignment involving an accident or incident and an incident management system (NIMS) protocol, so that the information given is accurate and sufficient for the IC to initiate an attack plan.				
PERFORMANCE OUTCOME: The information given must be clear, accurate, and sufficient for the Incident Commander to initiate an attack plan.					
CONDITIONS: Given an assignment involving an accident or incident and an NIMS protocol, the candidate must communicate critical incident information regarding the incident to the IC.					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Communications given were clear, concise, and understandable.				
2.	Information given was complete.				
3.	Proper Incident Management System (NIMS) terminology was used.				
4.	Utilize radio protocols of local area.				
	OVERALL SKILL TEST OUTCOME				

Supervisor/Evaluator/Comments: _____

Supervisor/Evaluator (Print & Sign) **Date** **Candidate** **Date**

Re-Test Supervisor/Evaluator **Date** **Re-Test Candidate** **Date**

Skills Test # 8

4.2 RESPONSE
4.2.3 Communicate with Air traffic Control

Evaluation Sheet: ARFF 4.2.3
Standard Area: General Skill Requirement

Candidate: _____ **Acadis#:** _____

STANDARD: 4.2.3 NFPA 1003, 2015 Ed.;	TASK: Communicate with applicable air traffic control (ATC) facilities, given a response destination on or adjacent to an airport and radio equipment, so that all required clearances are obtained.				
PERFORMANCE OUTCOME: Communications must be clear and follow proper protocol, with proper clearance obtained.					
CONDITIONS: Given a response location on or adjacent to the airport, candidate must communicate with the applicable air traffic control facility so that all required clearances are obtained.					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Communications given were clear, concise, and understandable				
2.	Proper clearance was requested				
3.	Proper terminology was used				
4.	Clearance information was read back by candidate prior to proceeding onto the controlled surface				
	OVERALL SKILL TEST OUTCOME				

Supervisor/Evaluator/Comments: _____

Supervisor/Evaluator (Print & Sign) **Date** **Candidate** **Date**

Re-Test Supervisor/Evaluator **Date** **Re-Test Candidate** **Date**

Skills Test # 9

4.2 RESPONSE
4.2.4 Airport Standby Operation

Evaluation Sheet: ARFF 4.2.4
Standard Area: General Skill Requirement

Candidate: _____ **Acadis#:** _____

STANDARD: 4.2.4 NFPA 1003, 2015 Ed.;	TASK: Perform an airport operation, given an assignment, a hazardous condition, and the airport policies and procedures, so that unsafe conditions are detected and mitigated in accordance with the airport's policies and procedures				
PERFORMANCE OUTCOME: Candidate shall proceed to the proper standby location and position in a safe area so that he/she may detect any unsafe conditions and reposition or mitigate the situation appropriately.					
CONDITIONS: Given PrPPE, an assignment, a hazardous condition, and the airport's standby policies and procedures, the candidate shall perform a standby operation.					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Proper standby position was taken for the runway in use				
2.	Vehicle was parked appropriately, leaving forward escape path, and far enough back to observe the situation				
3.	Air Traffic Control (ATC) clearance was received before entering any controlled areas				
	OVERALL SKILL TEST OUTCOME				

Supervisor/Evaluator/Comments: _____

Supervisor/Evaluator (Print & Sign)	Date	Candidate	Date
Re-Test Supervisor/Evaluator	Date	Re-Test Candidate	Date

Skills Test # 10

4.3 FIRE SUPPRESSION
4.3.7 Ventilate an Aircraft*

Evaluation Sheet: ARFF 4.3.7
Standard Area: General Skill Requirement

Candidate: _____ **Acadis#:** _____

STANDARD: 4.3.7 NFPA 1003, 2015 Ed.;		TASK: Ventilate an aircraft through available doors and hatches while operating as a member of a team, given PrPPE, an assignment, tools, and mechanical ventilation devices, so that openings are created, all ventilation barriers are removed, and the heat and other products of combustion are released.			
PERFORMANCE OUTCOME: Ventilate through available openings and hatches so that a sufficient opening is created, all ventilation barriers are removed, and heat and other products of combustion are released. Evaluator shall select type of ventilation.					
CONDITIONS: Given PrPPE, SCBA, an assignment, tools and mechanical ventilation devices, and acting as a member of a team, ventilate an aircraft through available doors and hatches. (*) May use mock-up and smoke generation devices.					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Wearing full PrPPE and SCBA properly.				
2.	Determines wind direction and proper location for ventilation				
3.	Opens the appropriate openings to ventilate properly				
4.	Sets up ventilation devices properly.				
5.	Continued air monitoring. (verbalize)				
SET UP FORCED VENTILATION					
POSITIVE PRESSURE VENTILATION					
5.	Properly place fan so cone of air covers entry point				
6.	Have exit point no larger than entry point or in accordance with fan manufacturer's direction				
HYDRAULIC VENTILATION					
7.	Properly positioned in opening for maximum air movement				
8.	Uses the proper water pattern for effective ventilation				
NEGATIVE PRESSURE VENTILATION					
9.	Properly place fan in exhaust opening to pull smoke out				
10.	Remove objects that might be drawn into fan				
OVERALL SKILL TEST OUTCOME					

Supervisor/Evaluator/Comments: _____

Supervisor/Evaluator (Print & Sign) **Date** **Candidate** **Date**

Re-Test Supervisor/Evaluator **Date** **Re-Test Candidate** **Date**

Skills Test # 11

4.3 FIRE SUPPRESSION

4.3.8 Replenish Extinguishing Agents on Vehicle

Evaluation Sheet: ARFF 4.3.8

Standard Area: General Skill Requirement

Candidate: _____ **Acadis#:** _____

STANDARD: 4.3.8 NFPA 1003, 2015 Ed.;	TASK: Replenish extinguishing agents while operating as a member of a team, given an assignment, an ARFF vehicle, a fixed or mobile water source, a supply of agent, and supply lines and fittings, so that agents are available for application by the ARFF vehicle within the time established by the authority having jurisdiction (AHJ).				
PERFORMANCE OUTCOME: Agents must be replenished on the ARFF vehicle so that the agents are ready for application within the time frame set by the department.					
CONDITIONS: While operating as a member of a team, given an assignment, and ARFF vehicle, a fixed or mobile water source, a supply of agent, and supply lines and fittings, replenish the agents on the ARFF vehicle.					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Properly attach and set up hoses for replenishment of water				
2.	Opens appropriate valves and replenished the water within the time established by the AHJ				
3.	Properly sets up to replenish foam, either through the top fill or side fill port, as appropriate to the vehicle and equipment.				
4.	Opens appropriate valves and replenish the foam concentrate within the time established by the AHJ				
5.	Properly blows down and re-services the secondary agent system, per manufacturer's instructions				
	OVERALL SKILL TEST OUTCOME				

Supervisor/Evaluator/Comments: _____

Supervisor/Evaluator (Print & Sign) **Date** **Candidate** **Date**

Re-Test Supervisor/Evaluator **Date** **Re-Test Candidate** **Date**

Skills Test # 12

4.3 FIRE SUPPRESSION
4.3.9 Preserving an Aircraft Scene

Evaluation Sheet: ARFF 4.3.9
Standard Area: General Skill Requirement

Candidate: _____ **Acadis#:** _____

STANDARD: 4.3.9 NFPA 1003, 2015 Ed.;		TASK: Preserve the aircraft accident scene, given an assignment and procedures, so that evidence is identified, protected, and reported according to procedures.			
PERFORMANCE OUTCOME: Aircraft accident scene is preserved so that evidence is identified, protected, and reported.					
CONDITIONS: Given PrPPE, an accident scene and an assignment at the scene, preserve all evidence so that it is identified, protected and reported.					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Maintain chain of custody/documentation				
2.	Found all possible evidence at and around the scene				
3.	Covered evidence to prevent damage from water, weather, etc.				
4.	Marked the evidence so that is can be readily re-located.				
5.	Noted any evidence that was disturbed during the fire fighting operation.				
	OVERALL SKILL TEST OUTCOME				

Supervisor/Evaluator/Comments: _____

Supervisor/Evaluator (Print & Sign)	Date	Candidate	Date
Re-Test Supervisor/Evaluator	Date	Re-Test Candidate	Date

Skills Test # 13

4.3 FIRE SUPPRESSION

4.3.10 Overhaul an Aircraft Accident Scene

Evaluation Sheet: ARFF 4.3.10

Standard Area: General Skill Requirement

Candidate: _____ **Acadis#:** _____

STANDARD: 4.3.10 NFPA 1003, 2015 Ed.;	TASK: Overhaul the accident scene, given PrPPE, an assignment, hand lines, and property, conservation equipment, so that all fires are located, exposed, and extinguished and all property is protected from further damage.				
PERFORMANCE OUTCOME: Overhaul shall be performed to discover all hidden fire extension and extinguish all fires, and all property shall be protected from further damage from water, weather etc.					
CONDITIONS: Given PrPPE, SCBA, an assignment, hand lines, and property conservation equipment, overhaul the accident scene as described above.					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Gain approval from investigating agency or authority (Verbalize)				
2.	Use proper tools to search for fire extension				
3.	Search for and found all hidden fires or signs of hidden fires, without causing undue additional damage to the scene				
4.	Properly protected the scene from further damage, utilizing salvage tarps, window covers , etc				
5.	Monitor air quality (Verbalize).				
6.	Agent re-application (Verbalize)				
	OVERALL SKILL TEST OUTCOME				

Supervisor/Evaluator/Comments: _____

Supervisor/Evaluator (Print & Sign)	Date	Candidate	Date
Re-Test Supervisor/Evaluator	Date	Re-Test Candidate	Date

Skills Test # 14

4.4 RESCUE

4.4.1 Gain Access and Evacuation*

Evaluation Sheet: ARFF 4.4.1

Standard Area: General Skill Requirement

Candidate: _____ **Acadis#:** _____

STANDARD: 4.4.1 NFPA 1003, 2015 Ed.;	TASK: 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 while operating as a member of a team, given PrPPE and an assignment, so that passenger evacuation and rescue can be accomplished.				
PERFORMANCE OUTCOME: Access must be accomplished through normal entry points and emergency hatches, and assistance shall be rendered to passengers on board to evacuate through those exit points.					
CONDITIONS: Acting as a team member, given PrPPE and an assignment, open normal entry points and emergency hatches and assist in evacuation. (*) Task can be accomplished using actual aircraft or vehicle mock-up.					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Open normal passenger entry door from outside and inside				
2.	Open over wing emergency hatch from inside and outside (if applicable).				
3.	Open flight deck emergency window exit from inside and outside (if applicable).				
4.	Explain the operation and disarming of the evacuation slides at each exit (if applicable).				
5.	Assist passengers in evacuation from the aircraft through the above exit points.				
OVERALL SKILL TEST OUTCOME					

Supervisor/Evaluator/Comments: _____

Supervisor/Evaluator (Print & Sign)	Date	Candidate	Date
Re-Test Supervisor/Evaluator	Date	Re-Test Candidate	Date

Skills Test # 15

4.4 RESCUE
4.4.1 Tools*

Evaluation Sheet: ARFF 4.4.1-A
Standard Area: General Skill Requirement

Candidate: _____ Acadis#: _____

STANDARD: 4.4.1 NFPA 1003, 2015 Ed.;	TASK: Operate power saws, cutting tools, hydraulic devices, pneumatic devices, and pulling devices; secure aircraft systems shutdown and safety				
PERFORMANCE OUTCOME: The candidate shall be able to demonstrate proficiency in two of the following functions; operating power saws, cutting tools, hydraulic devices, pneumatic devices, and pulling devices.					
CONDITIONS: Given PrPPE and two tools the candidate shall demonstrate the ability to: (*) Task can be accomplished using actual aircraft or vehicle mock-up.					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Secure aircraft prior to using equipment				
	A. Aircraft depressurized, if possible				
	B. Aircraft stabilized, (wheels chocked).				
	Evaluator will choose two devices for candidate to use Power Cutting Hydraulic Pneumatic Pulling				
2.	Demonstrate ability to properly connect devices to power source.				
3.	Operate equipment as directed by AHJ.				
4.	Operate equipment in a safe and timely manner.				
5.	Place equipment back in service as directed by AHJ.				
	OVERALL SKILL TEST OUTCOME				

Supervisor/Evaluator/Comments: _____

Supervisor/Evaluator (Print & Sign)	Date	Candidate	Date
Re-Test Supervisor/Evaluator	Date	Re-Test Candidate	Date

Skills Test # 16

4.4 RESCUE
4.4.1 Tools*

Evaluation Sheet: ARFF 4.4.1-B
Standard Area: General Skill Requirement

Candidate: _____ **Acadis#:** _____

STANDARD: 4.4.1 NFPA 1003, 2015 Ed.;	TASK: Operate specialized ladders and high-reach devices.				
PERFORMANCE OUTCOME: The candidate shall be able to demonstrate proficiency in one of the following functions; operate a ladder or high-reach device.					
CONDITIONS: Given PrPPE and a tool the candidate shall demonstrate the ability to: (*) Task can be accomplished using actual aircraft or mock-up.					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Secure aircraft prior to using equipment.				
	A. Aircraft depressurized, is possible.				
	B. Aircraft stabilized, (wheels chocked).				
	Evaluator will choose two devices for candidates to use. Ladder High-Reach Device				
2.	Visually check work area for hazards and state if area is safe or if hazards exist.				
3.	Lower ladder against Leading Edge or Proper side of door (Evaluator pick one).				
4.	Operate equipment in a safe and timely manner (High-Reach).				
5.	Place equipment back in service as directed by AHJ.				
	OVERALL SKILL TEST OUTCOME				

Supervisor/Evaluator/Comments: _____

Supervisor/Evaluator (Print & Sign) **Date** **Candidate** **Date**

Re-Test Supervisor/Evaluator **Date** **Re-Test Candidate** **Date**

Skills Test # 17

4.4 RESCUE

4.4.2 Disentangle an Entrapped Victim*

Evaluation Sheet: ARFF 4.4.2

Standard Area: General Skill Requirement

Candidate: _____ **Acadis#:** _____

STANDARD: 4.4.2 NFPA 1003, 2015 Ed.;	TASK: Locate and disentangle an entrapped victim from an aircraft as a member of a team, given PrPPE, a team and an assignment, and rescue tools, so that the victim is freed from entrapment without undue further injury and hazards are managed.				
PERFORMANCE OUTCOME: Victim must be disentangled from the scene in such a manner as to not aggravate his or her injuries further, and any scene hazards must be managed to assure a safe extrication.					
CONDITIONS: Given PrPPE, an assignment, and rescue tools, and equipment, disentangle and extricate a victim as outlined above. (*) Task can be accomplished using actual aircraft or mock-up.					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Proper EMS protocols must be followed to reduce the chance of spinal injury.				
2.	Victim immobilized in some manner to avoid further injury.				
3.	Proper tool selected for the job, and all safety precautions were followed for the tool used.				
4.	Scene was secured prior to operation, utilizing cribbing or some other method to prevent the aircraft from shifting.				
OVERALL SKILL TEST OUTCOME					

Supervisor/Evaluator/Comments: _____

Supervisor/Evaluator (Print & Sign) **Date** **Candidate** **Date**

Re-Test Supervisor/Evaluator **Date** **Re-Test Candidate** **Date**

Skills Test # 18

4.4 RESCUE
4.4.3 Triage

Evaluation Sheet: ARFF 4.4.3
Standard Area: General Skill Requirement

Candidate: _____ **SS#:** _____

STANDARD: 4.4.3 NFPA 1003, 2015 Ed.;	TASK: Implement initial triage of the victims of an aircraft accident, given PrPPE, an assignment, and the triage protocol of the AHJ, so that each victim is evaluated and correctly categorized according to protocol.				
PERFORMANCE OUTCOME: Victims shall be evaluated and correctly categorized utilizing the triage protocols of the airport.					
CONDITIONS: Given PrPPE, an assignment, and the triage protocols of the airport, to implement initial triage as outlined above.					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
	(The following task steps are based on the START Triage system. If a local triage system is different, the local tasks may be substituted as long as they meet the same standard of care.)				
1.	Assess the patients' breathing. If not breathing, open airway. Continue or apply appropriate tag.				
2.	Assess patients' pulse. Continue or apply appropriate tag.				
3.	Assess patients' mental status. Apply appropriate tag.				
4.	Advise Triage Team Leader number of patients in each category.				
	OVERALL SKILL TEST OUTCOME				

Supervisor/Evaluator/Comments: _____

Supervisor/Evaluator (Print & Sign)	Date	Candidate	Date
Re-Test Supervisor/Evaluator	Date	Re-Test Candidate	Date

Skills Test # 19

(Live Burn)

4.3 FIRE SUPPRESSION

4.3.1 Extinguish a Fuel Spill Fire with a Hand Line (●)

Evaluation Sheet: ARFF 4.3.1

Standard Area: General Skill Requirement

Candidate: _____ **Acadis#:** _____

STANDARD: 4.3.1 NFPA 1003, 2015 Ed.;	TASK: Extinguish an aircraft fuel spill fire, given approved PPE, an assignment, agent application procedures, a firefighting vehicle hand line flowing a minimum of 95 gpm (359 L/min) of approved foam extinguishing agent, and a fire sized to the flow rate used, so that the agent is applied using the prescribed techniques and the fire is extinguished as required by the AHJ.
---	--

PERFORMANCE OUTCOME: Fire must be completely extinguished using proper application technique. (Simulated)

CONDITIONS: Given PrPPE, SCBA, an assignment, and ARFF vehicle hand-line flowing a minimum of 95 GPM of extinguishing agent and extinguish fire. (●) May use FAA approved propane-fueled simulator for Live Burn exercise.

No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Candidate wearing full PrPPE				
2.	Air purged from line prior to advancing				
3.	Agent applied properly, starting at the nearest edge of the fire				
4.	Fire approached from an upwind direction				
5.	Fire extinguished using proper technique.				
OVERALL SKILL TEST OUTCOME					

Supervisor/Evaluator/Comments: _____

Supervisor/Evaluator (Print & Sign) **Date** **Candidate** **Date**

Re-Test Supervisor/Evaluator **Date** **Re-Test Candidate** **Date**

Skills Test # 20

(Live Burn)

4.3 FIRE SUPPRESSION

4.3.2 Extinguish a Fuel Spill Fire with Turret (●)

Evaluation Sheet: ARFF 4.3.2

Standard Area: General Skill Requirement

Candidate: _____ **Acadis#:** _____

<p>STANDARD: 4.3.2 NFPA 1003, 2015 Ed.;</p>	<p>TASK: Extinguish an aircraft fuel spill fire, given PrPPE, an assignment, agent application procedures, an ARFF vehicle turret flowing a minimum of 250 GPM a fire sized to the flow rate used [AFFF flow rate divided by 4.92 L/min/m² for fire size in square meters (0.13 gpm/min/ft² for fire size in square feet)], and the procedures for agent application, so that the agent is applied according to procedures and the fire is extinguished in a time proportionate to, but no longer than, 90 seconds for 192 M² (1923 ft²) fire with a flow rate at 946 L/min (250 GPM).</p>
--	---

PERFORMANCE OUTCOME: Fire must be completely extinguished in 90 seconds, using proper application technique.

CONDITIONS: Given PrPPE, an assignment, agent application procedures, an ARFF vehicle turret flowing a minimum of 250 GPM a fire sized to the flow rate used [AFFF flow rate divided by 4.92 L/min/m² for fire size in square meters (0.13 gpm/min/ft² for fire size in square feet)], and the procedures for agent application. (●) May use FAA approved propane-fueled simulator for Live Burn exercise.

No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Agent applied properly, starting at the nearest edge of the fire				
2.	Fire approached from an upwind direction				
3.	Pump and turret operated properly				
4.	Fire extinguished within 90 seconds				
	OVERALL SKILL TEST OUTCOME				

Supervisor/Evaluator/Comments: _____

Supervisor/Evaluator (Print & Sign)	Date	Candidate	Date
-------------------------------------	------	-----------	------

Re-Test Supervisor/Evaluator	Date	Re-Test Candidate	Date
------------------------------	------	-------------------	------

Skills Test # 21

(Live Burn)

4.3 FIRE SUPPRESSION

4.3.3 Extinguish a 3-Dimensional Fuel Fire (●)

Evaluation Sheet: ARFF 4.3.3

Standard Area: General Skill Requirement

Candidate: _____ **Acadis#:** _____

STANDARD: 4.3.3 NFPA 1003, 2015 Ed.;	TASK: Extinguish a 3-dimensional aircraft fuel fire as a member of a team, given a team, PrPPE, an assignment, ARFF vehicle hand line(s) using primary and secondary agents, and agent application procedures, so that a dual-agent attack is used, so that the agent is applied using the proper technique, the fire is extinguished, and the fuel source is secured.				
PERFORMANCE OUTCOME: Operating as a team, fire must be completely extinguished and the fuel source secured, using proper application technique. (Simulate and verbalize)					
CONDITIONS: Given PrPPE, and assignment, and an ARFF vehicle hand-line using primary and secondary agents so that a dual agent attack is used, extinguish a 3-dimensional fire and secure the fuel source, using the proper application technique. (●) May use FAA approved propane-fueled simulator for Live Burn exercise.					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Wearing full PrPPE and SCBA properly				
2.	Fuel source secured while maintaining proper agent application to assure safety of personnel.				
3.	Applies agent utilizing proper technique for extinguishment and fire fighting personnel safety.				
4.	3-D fire extinguished utilizing proper technique.				
5.	Pooled fire extinguished utilizing proper technique.				
	OVERALL SKILL TEST OUTCOME				

Supervisor/Evaluator/Comments: _____

Supervisor/Evaluator (Print & Sign) **Date** **Candidate** **Date**

Re-Test Supervisor/Evaluator **Date** **Re-Test Candidate** **Date**

Skills Test # 22

(Live Burn)

4.3 FIRE SUPPRESSION

4.3.4 Aircraft Fire Interior Attack (●)

Evaluation Sheet: ARFF 4.3.4

Standard Area: General Skill Requirement

Candidate: _____ **Acadis#:** _____

STANDARD: 4.3.4 NFPA 1003, 2015 Ed.;	TASK: Attack a fire on the interior of an aircraft while operating as a member of a team, given a team, PrPPE, an assignment, an ARFF vehicle hand line, an extinguishing agent, and a ladder or other means of accessing the aircraft, so that team integrity is maintained, the attack line is deployed for advancement, ladders or other means are used, access is gained into the fire area, effective agent application practices are used, the fire is approached, attack techniques facilitate suppression given the level of the fire, hidden fires are located and controlled, hazards are avoided or managed, and the fire is brought under control..				
PERFORMANCE OUTCOME: Fire must be brought under control and hidden fires located and controlled, while utilizing proper techniques, maintaining team integrity, placing ladders correctly, effectively utilizing application techniques, and maintaining proper body posture.					
CONDITIONS: Given PrPPE, SCBA and operating as a team member, you will be given an assignment, an ARFF vehicle hand-line, proper equipment and appropriate agent. (●) May use FAA approved propane-fueled simulator for Live Burn exercise.					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Candidate wearing full PrPPE, including SCBA.				
2.	Attack line deployed for advancement.				
3.	Team integrity maintained.				
4.	Ladders properly placed, if used				
5.	Proper entrance to fire used. (i.e. door selection, sound floor)				
6.	Hidden fires located and controlled				
7.	Correct body posture maintained (Crawl or crouch)				
8.	Hazards are identified, and avoided or managed (verbalize)				
9.	Fire is brought under control				
10.	Which methods were observed? INDIRECT DIRECT COMBINATION				
OVERALL SKILL TEST OUTCOME					

Supervisor/Evaluator/Comments: _____

Supervisor/Evaluator (Print & Sign)

Date

Candidate

Date

Re-Test Supervisor/Evaluator

Date

Re-Test Candidate

Date

Skills Test # 23

(Live Burn)

4.3 FIRE SUPPRESSION

4.3.5 Attack an Engine or APU Fire (●)

Evaluation Sheet: ARFF 4.3.6

Standard Area: General Skill Requirement

Candidate: _____ **Acadis#:** _____

STANDARD: 4.3.5 NFPA 1003, 2010 Ed.; REFERENCES: NFPA 402, 2008 Ed; 405, 2004 Ed; FAR Part 139, 2004 Ed;	TASK: Attack an engine or auxiliary power unit/emergency power unit (APU/EPU) fire on an aircraft while operating as a member of a team, given PrPPE, an assignment, ARFF vehicle hand line or turret, a correct agent, and agent application procedures, so that agent application procedures are followed, the fire is extinguished, and the engine or APU/EPU is shut down.				
PERFORMANCE OUTCOME: Fire must be extinguished and the engine or APU/EPU secured.					
CONDITIONS: Given PrPPE, SCBA, an assignment, and an ARFF vehicle hand-line or turret with the appropriate agent, attack an engine or APU/EPU fire as a member of a team, extinguish the fire and secure the engine or APU/EPU. (●) May use FAA approved propane-fueled simulator for Live Burn exercise.					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
	Evaluator will select one (please circle one) HAND-LINE OR TURRET				
1.	Wearing full PrPPE and SCBA properly				
2.	Applies agent utilizing proper technique for extinguishment and fire fighting personnel safety				
3.	Pooled fire extinguished utilizing proper technique				
4.	Fuel source secured while maintaining proper agent application to assure safety of personnel.				
	OVERALL SKILL TEST OUTCOME				

Supervisor/Evaluator/Comments: _____

Supervisor/Evaluator (Print & Sign) **Date** **Candidate** **Date**

Re-Test Supervisor/Evaluator **Date** **Re-Test Candidate** **Date**

Skills Test # 24

(Live Burn)

4.3 FIRE SUPPRESSION

4.3.6 Attach a Wheel Assembly Fire (●)

Evaluation Sheet: ARFF 4.3.6

Standard Area: General Skill Requirement

Candidate: _____ **Acadis#:** _____

STANDARD: 4.3.6 NFPA 1003, 2015 Ed.;	TASK: Attack a wheel assembly fire, as a member of a team, given PrPPE, a team, an assignment, an ARFF vehicle hand line, and correct agent, so that the fire is extinguished.				
PERFORMANCE OUTCOME: Fire must be controlled using proper agent selection and application technique.					
CONDITIONS: Given PrPPE, SCBA, an assignment, and an ARFF hand-line using appropriate agent, operating as a team, attack a wheel assembly fire and control the fire. (●) May use FAA approved propane-fueled simulator for Live Burn exercise.					
Evaluator: If the wheels are inflated what is the agent selection? _____					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Wearing full PrPPE and SCBA properly				
2.	Applies agent utilizing proper technique for fire control and fire fighting personnel safety				
3.	Makes the appropriate 45 degree approach				
4.	Extinguish the fire				
5.	Check wheel wells for extension.				
6.	Chock wheels (where applicable by AHJ)				
	OVERALL SKILL TEST OUTCOME				

Supervisor/Evaluator/Comments: _____

Supervisor/Evaluator (Print & Sign) **Date** **Candidate** **Date**

Re-Test Supervisor/Evaluator **Date** **Re-Test Candidate** **Date**