

MINNESOTA FIRE SERVICE CERTIFICATION AIRPORT FIREFIGHTER SKILLS TESTING

Airport Rescue Fire Fighter NFPA 1003 2010 Edition



Requirements:

1. Prerequisites for Airport Rescue Fire Fighter I
2. Completed application form and fee of \$75 is covered.
3. Candidate will be required to complete at least 5 of the 12 skill stations. Skills will be chosen at random by the lead evaluator.
4. Candidate is responsible for providing and wearing OSHA and NFPA compliant Personal Protective Gear. Facial hair is limited per OSHA standard (mustache and goatee allowed).
5. Candidates must arrive to the test site at least 30 minutes prior to the scheduled start time.

Minnesota Fire Service Certification Board

Airport Rescue Fire Fighter

NFPA 1003, 2005 Skills Test# 1

6.1 General Requirements
6.1.1.4 General Skill Requirements
Standard Area: General Skill Requirement

Evaluation Sheet: ARFF 6.1.1.4-A

Revised 09/22/2007

Candidate: _____

Date: _____

SS#: _____

STANDARD: 6.1.1.4 NFPA 1003, 2005 Edition FAA #3 – Rescue Safety	TASK: Don proximity personal protective clothing (PrPPE) within one (1) minute, don SCBA within one minute, doff personal protective clothing, SCBA and prepare for reuse.				
PERFORMANCE OUTCOME: The candidate shall be able to properly don personal protective clothing in one minute and to prepare the personal protective clothing for reuse.					
CONDITIONS: Given proximity personal protective (PrPPE) clothing (boots, pants, coat, hood, gloves and helmet and/or protective hood), the candidate shall demonstrate the ability to:					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
	DONNING (PrPPE)				
1.	Don pants and boots properly – including suspenders in place				
2.	Don hood				
3.	Don coat – including storm flap closed and collar up and secured				
4.	Don helmet				
5.	Don gloves				
6.	Complete above correctly within one minute				
	DONNING (SCBA)				
7.	Correctly don SCBA including checking amount of air in cylinder and operation of low air alarm.				
8.	Correctly don face piece including checking seal and operating of exhalation.				
9.	Activate and check PASS device (if applicable)				
10.	Have all personal protective clothing correctly in place				
11.	Correctly accomplished all of the above in one (1) minute.				
	DOFFING				
12.	Place all equipment in a ready state for reuse.				

Supervisor/Proctor/Comments: _____

Supervisor/Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Supervisor/Proctor

Date

Re-Test Candidate

Date

Minnesota Fire Service Certification Board Airport Rescue Fire Fighter

NFPA 1003, 2005 Edition

Skills Test # 2

6.1 General Requirements
6.1.1.4 General Skill Requirements
Standard Area: General Skill Requirement

Evaluation Sheet: ARFF 6.1.1.4-B

Revised 09/22/2007

Candidate: _____

Date: _____

SS#: _____

STANDARD: 6.1.1.4 NFPA 1003, 2005 Edition FAA #7 – Emergency Evacuation		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	
		Pass	Fail	Pass	Fail
	<u>Normal Entry Doors</u>				
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)				

Supervisor/Proctor/Comments: _____

Supervisor/Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Supervisor/Proctor

Date

Re-Test Candidate

Date

Minnesota Fire Service Certification Board

Airport Rescue Fire Fighter

NFPA 1003, 2005 Edition Skills Test # 3

6.1 General Requirements

Evaluation Sheet: ARFF 6.1.1.4-C

6.1.1.4 General Skill Requirements

Standard Area: General Skill Requirement Revised

09/22/2007

Candidate: _____

Date: _____

SS#: _____

STANDARD: 6.1.1.4 NFPA 1003, 2005 Edition FAA #5 and #6	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/ARFF 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				

Supervisor/Proctor/Comments: _____

Supervisor/Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Supervisor/Proctor

Date

Re-Test Candidate

Date

Minnesota Fire Service Certification Board Airport Rescue Fire Fighter

NFPA 1003, 2005 Edition

Skills Test # 4

6.1 General Requirements

Evaluation Sheet: ARFF 6.1.1.4-D

6.1.1.4 General Skill Requirements

Standard Area: General Skill Requirement

Revised 09/22/2007

Candidate: _____

Date: _____

SS#: _____

STANDARD: 6.1.1.4 NFPA 1003, 2005 Edition FAA #2		TASK: Shut down aircraft system, including engine and fuel systems.			
PERFORMANCE OUTCOME: The candidate shall be able to explain how to shut down the engine and fuel system 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 and fuel system.					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
	Proctor will identify aircraft/prop used _____				
	<u>ENGINE AND FUEL SYSTEMS SHUTDOWN</u>				
1.	Point out and explain the operation of the emergency engine shutdown system in the cockpit				
2.	Point out and explain the operation of the fuel system shutdown, for emergency shutdown				

Supervisor/Proctor/Comments: _____

Supervisor/Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Supervisor/Proctor

Date

Re-Test Candidate

Date

Minnesota Fire Service Certification Board Airport Rescue Fire Fighter

NFPA 1003, 2005 Edition

Skills Test # 5

6.1 General Requirements

Evaluation Sheet: ARFF 6.1.1.4-E

6.1.1.4 General Skill Requirements

Standard Area: General Skill Requirement

Revised 09/22/2007

Candidate: _____

Date: _____

SS#: _____

STANDARD: 6.1.1.4 NFPA 1003, 2005 Edition FAA #2		TASK: Shut down aircraft electrical systems.			
PERFORMANCE OUTCOME: The candidate shall be able to explain how to shut down the electrical system on a given aircraft, and point out the location of all controls utilized for those purposes.					
CONDITIONS: Given a aircraft/prop, the candidate shall be able to locate, point out, and explain the shut down operations for the electrical system.					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
	Proctor will identify aircraft/prop used _____				
	<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 cockpit (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				

Supervisor/Proctor/Comments: _____

Supervisor/Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Supervisor/Proctor

Date

Re-Test Candidate

Date

Minnesota Fire Service Certification Board Airport Rescue Fire Fighter

NFPA 1003, 2005 Edition

Skills Test # 6

6.1 General Requirements

Evaluation Sheet: ARFF 6.1.1.4-F

6.1.1.4 General Skill Requirements

Standard Area: General Skill Requirement

Revised 09/22/2007

Candidate: _____

Date: _____

SS#: _____

STANDARD: 6.1.1.4 NFPA 1003, 2005 Edition FAA #2		TASK: Shut down aircraft hydraulic systems.			
PERFORMANCE OUTCOME: The candidate shall be able to explain how to shut down the hydraulic system 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 hydraulic system.					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
	Proctor will identify aircraft/prop used _____				
	<u>HYDRAULIC SYSTEMS SHUTDOWN</u>				
1.	Point out and explain the operation of the hydraulic system shutdown in the cockpit				
2.	Point out and explain the operation of the hydraulic system shutdown from outside the aircraft. (if applicable)				
3.	Explain the hazards associated with the hydraulic system				

Supervisor/Proctor/Comments: _____

Supervisor/Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Supervisor/Proctor

Date

Re-Test Candidate

Date

Minnesota Fire Service Certification Board

Airport Rescue Fire Fighter

NFPA 1003, 2005 Edition Skills Test # 7

6.1 General Requirements
 6.1.1.4 General Skill Requirements
 Standard Area: General Skill Requirement

Evaluation Sheet: ARFF 6.1.1.4-G

Revised 09/22/2007

Candidate: _____

Date: _____

SS#: _____

STANDARD: 6.1.1.4 NFPA 1003, 2005 Edition FAA #2	TASK: Operate aircraft extinguishing systems				
PERFORMANCE OUTCOME: The candidate shall be able to explain how operate the fire extinguishing systems on a given aircraft; including engine, APU, and cargo area systems, 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 operation of the extinguishing systems for the engine, APU and cargo areas.					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
	Proctor will identify aircraft/prop used _____				
	<u>FIRE SUPPRESSION SYSTEMS</u>				
1.	Point out and explain the operation of emergency engine shutdown and fire suppression system located in the cockpit. (if applicable)				
2.	Point out and explain the operation of the emergency APU shutdown and fire suppression system located in the cockpit (if applicable)				
3.	Point out and explain the operation of the emergency APU shutdown and fire suppression system located on the outside of the aircraft. (if applicable)				
4.	Point out and explain the operation of the cargo area fire suppression system. (if applicable)				

Supervisor/Proctor/Comments: _____

Supervisor/Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Supervisor/Proctor

Date

Re-Test Candidate

Date

Minnesota Fire Service Certification Board

Airport Rescue Fire Fighter

NFPA 1003, 2005 Edition Skills Test # 8

6.2 RESPONSE

Evaluation Sheet: ARFF 6.2.1

6.2.1 Response to Day and Night Accidents

Standard Area: General Skill Requirement

Revised 09/22/2007

Candidate: _____

Date: _____

SS#: _____

STANDARD: 6.2.1 NFPA 1003, 2005 Edition FAA #1	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.				

Supervisor/Proctor/Comments: _____

Supervisor/Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Supervisor/Proctor

Date

Re-Test Candidate

Date

Minnesota Fire Service Certification Board

Airport Rescue Fire Fighter

NFPA 1003, 2005 Edition Skills Test # 9

6.2 RESPONSE
6.2.2 Communicate Critical Information
Standard Area: General Skill Requirement

Evaluation Sheet: ARFF 6.2.2

Revised 09/22/2007

Candidate: _____

Date: _____

SS#: _____

STANDARD: 6.2.2 NFPA 1003, 2005 Edition FAA #4	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 (IMS) 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 IMS 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 ICS terminology was used				
4.	Utilize radio protocols of local area.				

Supervisor/Proctor/Comments: _____

Supervisor/Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Supervisor/Proctor

Date

Re-Test Candidate

Date

Minnesota Fire Service Certification Board Airport Rescue Fire Fighter

NFPA 1003, 2005 Edition

Skills Test # 10

6.2 RESPONSE
6.2.3 Communicate with Air traffic Control
Standard Area: General Skill Requirement

Evaluation Sheet: ARFF 6.2.3

Revised 09/30/2005

Candidate: _____

Date: _____

SS#: _____

STANDARD: 6.2.3 NFPA 1003, 2005 Edition FAA #4		TASK: Communicate with applicable air traffic control 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				

Supervisor/Proctor/Comments: _____

Supervisor/Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Supervisor/Proctor

Date

Re-Test Candidate

Date

Minnesota Fire Service Certification Board

Airport Rescue Fire Fighter

NFPA 1003, 2005 Edition Skills Test # 11

6.2 RESPONSE
6.2.4 Airport Standby Operation
Standard Area: General Skill Requirement

Evaluation Sheet: ARFF 6.2.4

Revised 09/22/2007

Candidate: _____

Date: _____

SS#: _____

STANDARD: 6.2.4 NFPA 1003, 2005 Edition FAA #1 and #11	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				

Supervisor/Proctor/Comments: _____

Supervisor/Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Supervisor/Proctor

Date

Re-Test Candidate

Date

Minnesota Fire Service Certification Board Airport Rescue Fire Fighter

NFPA 1003, 2005 Edition

Skills Test 12

6.3 FIRE SUPPRESSION

Evaluation Sheet: ARFF 6.3.1

6.3.1 Extinguish A Fuel Spill Fire with an Extinguisher

Standard Area: General Skill Requirement

Revised 09/22/2007

Candidate: _____

Date: _____

SS#: _____

STANDARD: 6.3.1 NFPA 1003, 2005 Edition FAA #6 and #8		TASK: Extinguish a 250 square foot aircraft fuel spill fire using a minimum 100lb. dry chemical extinguisher, and procedures so that the agent is applied using the proper technique and the fire is extinguished in 25 seconds.			
PERFORMANCE OUTCOME: Fire must be completely extinguished in 25 seconds, using proper application technique. (Simulated)					
CONDITIONS: Given PrPPE, SCBA and a minimum 100 lb. dry chemical fire extinguisher, the candidate must extinguish a 250 square foot fuel spill fire in the allotted time.					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Candidate wearing full PrPPE				
2.	Extinguisher checked and activated prior to advancing (verbalize and simulate)				
3.	Agent applied at the base of the fire, sweeping, short bursts (verbalize and simulate)				
4.	Fire extinguished within 25 seconds. (verbalize and simulate)				

Supervisor/Proctor/Comments: _____

Supervisor/Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Supervisor/Proctor

Date

Re-Test Candidate

Date

Minnesota Fire Service Certification Board Airport Rescue Fire Fighter

NFPA 1003, 2005 Edition

Skills Test # 13

6.3 FIRE SUPPRESSION

Evaluation Sheet: ARFF 6.3.2

6.3.1 Extinguish A Fuel Spill Fire with a Hand Line

Standard Area: General Skill Requirement

Revised 09/22/2007

Candidate: _____

Date: _____

SS#: _____

STANDARD: 6.3.2 NFPA 1003, 2005 Edition FAA #6 and #8		TASK: Extinguish an aircraft fuel spill fire, given PrPPE, an assignment, agent application procedures, an ARFF vehicle hand line flowing a minimum of 95 GPM of AFFF extinguishing agent, and a fire sized to the flow rate used [AFFF flow rate divided by 4.92 L/min/m ² for fire size in square meters (0.13 gpm/min/ft ² for fire size in square feet)], so that the agent is applied using the proper technique and the fire is extinguished in 90 seconds.			
PERFORMANCE OUTCOME: Fire must be completely extinguished in 90 seconds, using proper application technique.					
CONDITIONS: Given PrPPE, SCBA, an assignment, and ARFF vehicle hand-line flowing a minimum of 95 GPM of extinguishing agent and extinguish fire within 90 seconds.					
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 within 90 seconds.				

Supervisor/Proctor/Comments: _____

Supervisor/Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Supervisor/Proctor

Date

Re-Test Candidate

Date

Minnesota Fire Service Certification Board Airport Rescue Fire Fighter

NFPA 1003, 2005 Edition

Skills Test #14

6.3 FIRE SUPPRESSION

Evaluation Sheet: ARFF 6.3.3

6.3.3 Extinguish A Fuel Spill Fire with Turret

Standard Area: General Skill Requirement

Revised 09/22/2007

Candidate: _____

Date: _____

SS#:

STANDARD: 6.3.3 NFPA 1003, 2000 Edition FAA #5, #6 and #8	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/m ² for fire size in square meters (0.13 gpm/min/ft ² 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 M ² (1923 ft ²) fire with a flow rate at 946 L/min (250 GPM).				
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/m ² for fire size in square meters (0.13 gpm/min/ft ² for fire size in square feet)], and the procedures for agent application.					
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				

Supervisor/Proctor/Comments: _____

Supervisor/Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Supervisor/Proctor

Date

Re-Test Candidate

Date

Minnesota Fire Service Certification Board Airport Rescue Fire Fighter

NFPA 1003, 2005 Edition

Skills Test #15

6.3 FIRE SUPPRESSION

Evaluation Sheet: ARFF 6.3.4

6.3.4 Extinguish a 3-Dimensional Fuel Fire

Standard Area: General Skill Requirement

Revised 09/22/2007

Candidate: _____

Date: _____

SS#:

STANDARD: 3.3.4 NFPA 1003, 2000 Edition FAA #5, #6 and #8		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.					
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				

Supervisor/Proctor/Comments: _____

Supervisor/Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Supervisor/Proctor

Date

Re-Test Candidate

Date

Minnesota Fire Service Certification Board Airport Rescue Fire Fighter

NFPA 1003, 2005 Edition

Skills Test #16

6.3 FIRE SUPPRESSION

Evaluation Sheet: ARFF 6.3.5

6.3.5 Aircraft Fire Interior Attack

Standard Area: General Skill Requirement

Revised 09/22/2007

Candidate: _____

Date: _____

SS#: _____

STANDARD: 6.3.5 NFPA 1003, 2005 Edition FAA #8 and #9		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.					
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				

Supervisor/Proctor/Comments: _____

Supervisor/Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Supervisor/Proctor

Date

Re-Test Candidate

Date

Minnesota Fire Service Certification Board Airport Rescue Fire Fighter

NFPA 1003, 2005 Edition

Skills Test # 17

6.3 FIRE SUPPRESSION

Evaluation Sheet: ARFF 6.3.6

6.3.6 Attack an Engine or APU Fire

Standard Area: General Skill Requirement

Revised 09/22/2007

Candidate: _____

Date: _____

SS#:

STANDARD: 6.3.6 NFPA 1003, 2005 Edition FAA #5, #6 and #8		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.					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
	Proctor will select one (please circle one) <div style="display: flex; justify-content: space-around;"> HAND-LINE OR TURRET </div>				
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				

Supervisor/Proctor/Comments: _____

Supervisor/Proctor (Print & Sign)

Date

Candidate Date

Re-Test Supervisor/Proctor

Date

Re-Test Candidate

Date

Minnesota Fire Service Certification Board Airport Rescue Fire Fighter

NFPA 1003, 2005 Edition

Skills Test # 18

6.3 FIRE SUPPRESSION

Evaluation Sheet: ARFF 6.3.7

6.3.7 Attach a Wheel Assembly Fire

Standard Area: General Skill Requirement

Revised 09/22/2007

Candidate: _____

Date: _____

SS#: _____

STANDARD: 6.3.7 NFPA 1003, 2005 Edition FAA #5, #6 and #8		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.					
Proctor: 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)				

Supervisor/Proctor/Comments: _____

Supervisor/Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Supervisor/Proctor

Date

Re-Test Candidate

Date

Minnesota Fire Service Certification Board Airport Rescue Fire Fighter

NFPA 1003, 2005 Edition

Skills Test # 19

6.3 FIRE SUPPRESSION

Evaluation Sheet: ARFF 6.3.8

6.3.8 Ventilate an Aircraft

Standard Area: General Skill Requirement

Revised 09/22/2007

Candidate: _____

Date: _____

SS#: _____

STANDARD: 6.3.8 NFPA 1003, 2005 Edition FAA #8 and #9		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. Proctor 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.					
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					
<u>POSITIVE PRESSURE VENTILATION</u>					
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				
<u>HYDRAULIC VENTILATION</u>					
7.	Properly positioned in opening for maximum air movement				
8.	Uses the proper water pattern for effective ventilation				
<u>NEGATIVE PRESSURE VENTILATION</u>					
9.	Properly place fan in exhaust opening to pull smoke out				
10.	Remove objects that might be drawn into fan				

Supervisor/Proctor/Comments: _____

Supervisor/Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Supervisor/Proctor

Date

Re-Test Candidate

Date

Minnesota Fire Service Certification Board Airport Rescue Fire Fighter

NFPA 1003, 2005 Edition

Skills Test # 20

6.3 FIRE SUPPRESSION

6.3.9 Replenish Extinguishing Agents on Vehicle
Standard Area: General Skill Requirement

Evaluation Sheet: ARFF 6.3.9

Revised 09/22/2007

Candidate: _____

Date: _____

SS#: _____

STANDARD: 6.3.9 NFPA 1003, 2005 Edition FAA #5 and #11		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				

Supervisor/Proctor/Comments: _____

Supervisor/Proctor (Print & Sign)

Date

Candidate

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Re-Test Supervisor/Proctor

Date

Re-Test Candidate

Date

Minnesota Fire Service Certification Board Airport Rescue Fire Fighter

NFPA 1003, 2005 Edition

Skills Test # 21

6.3 FIRE SUPPRESSION

Evaluation Sheet: ARFF 6.3.10

6.3.10 Preserving an Aircraft Scene

Standard Area: General Skill Requirement

Revised 09/22/2007

Candidate: _____

Date: _____

SS#: _____

STANDARD: 6.3.10 NFPA 1003, 2005 Edition FAA #11		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.				

Supervisor/Proctor/Comments: _____

Supervisor/Proctor (Print & Sign)

Date

Candidate

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Re-Test Supervisor/Proctor

Date

Re-Test Candidate

Date

Minnesota Fire Service Certification Board Airport Rescue Fire Fighter

NFPA 1003, 2005 Edition

Skills Test # 22

6.3 FIRE SUPPRESSION

Evaluation Sheet: ARFF 6.3.11

6.3.11 Overhaul an Aircraft Accident Scene
Standard Area: General Skill Requirement

Revised 09/22/2007

Candidate: _____

Date: _____

SS#: _____

STANDARD: 6.3.11 NFPA 1003, 2005 Edition FAA #3, # 8, #11		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)				

Supervisor/Proctor/Comments: _____

Supervisor/Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Supervisor/Proctor

Date

Re-Test Candidate

Date

Minnesota Fire Service Certification Board Airport Rescue Fire Fighter

NFPA 1003, 2005 Edition

Skills Test # 23

6.4 RESCUE

6.4.1 Gain Access and Evacuation

Standard Area: General Skill Requirement

Evaluation Sheet: ARFF 6.4.1

Revised 09/22/2007

Candidate: _____

Date: _____

SS#: _____

STANDARD: 6.4.1 NFPA 1003, 2005 Edition FAA #2, #7		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.					
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).				
4.	Open cockpit emergency window exit from inside and outside (if applicable).				
5.	Explain the operation and disarming of the evacuation slides at each exit (if applicable).				
6.	Assist passengers in evacuation from the aircraft through the above exit points.				

Supervisor/Proctor/Comments: _____

Supervisor/Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Supervisor/Proctor

Date

Re-Test Candidate

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Minnesota Fire Service Certification Board Airport Rescue Fire Fighter

NFPA 1003, 2005 Edition

Skills Test # 24

6.4 RESCUE

Evaluation Sheet: ARFF 6.4.1-A

6.4.1 Tools

Standard Area: General Skill Requirement

Revised 09/22/2007

Candidate: _____

Date: _____

SS#: _____

STANDARD: 6.4.1 NFPA 1003, 2005 Edition FAA #3 – Rescue Safety		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:					
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).				
	Proctor 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.				

Supervisor/Proctor/Comments: _____

Supervisor/Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Supervisor/Proctor

Date

Re-Test Candidate

Date

Minnesota Fire Service Certification Board Airport Rescue Fire Fighter

NFPA 1003, 2005 Edition

Skills Test # 25

6.4 RESCUE

Evaluation Sheet: ARFF 6.4.1-B

6.4.1 Tools

Standard Area: General Skill Requirement

Revised 09/22/2007

Candidate: _____

Date: _____

SS#: _____

STANDARD: 6.4.1 NFPA 1003, 2005 Edition FAA #3 – Rescue Safety		TASK: Operate specialized ladders and high-reach devices; secure aircraft systems shutdown and safety.			
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:					
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).				
	Proctor 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 (Proctor pick one).				
4.	Operate equipment in a safe and timely manner (High-Reach).				
5.	Place equipment back in service as directed by AHJ.				

Supervisor/Proctor/Comments: _____

Supervisor/Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Supervisor/Proctor

Date

Re-Test Candidate

Date

Minnesota Fire Service Certification Board Airport Rescue Fire Fighter

NFPA 1003, 2005 Edition

Skills Test # 26

6.4 RESCUE

6.4.2 Disentangle an Entrapped Victim

Standard Area: General Skill Requirement

Evaluation Sheet: ARFF 6.4.2

Revised 09/22/2007

Candidate: _____

Date: _____

SS#: _____

STANDARD: 6.4.2 NFPA 1003, 2005 Edition FAA #8 and #9		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.					
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.				

Supervisor/Proctor/Comments: _____

Supervisor/Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Supervisor/Proctor

Date

Re-Test Candidate

Date

Minnesota Fire Service Certification Board Airport Rescue Fire Fighter

NFPA 1003, 2005 Edition

Skills Test # 27

6.4 RESCUE
6.4.3 Triage
Standard Area: General Skill Requirement

Evaluation Sheet: ARFF 6.4.3

Revised 09/22/2007

Candidate: _____

Date: _____

SS#: _____

STANDARD: 6.4.2 NFPA 1003, 2005 Edition FAA #11		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.				

Supervisor/Proctor/Comments: _____

Supervisor/Proctor (Print & Sign)

Date

Candidate

Date

Re-Test Supervisor/Proctor

Date

Re-Test Candidate

Date