



Arab Fire Safety and Security Academy (AFSSAC)
AIRPORT FIRE FIGHTER
PERFORMANCE STANDARDS
NFPA 1003, 2015 Edition

SKILL SHEET PACKAGE

Based on NFPA 1003: Standard for
Airport Fire Fighter Professional Qualifications, 2015 Edition

October 2016



Arab Fire Safety and Security Academy (AFSSAC)
AIRPORT FIRE FIGHTER
PERFORMANCE STANDARDS
NFPA 1003, 2015 Edition

Airport Fire Fighter Practical Skills Performance Test Requirements
(NFPA 1003, 2015 Edition)

NFPA Section	Tasks	Certification Exam Requirement: 7 Mandatory 4 Random
5.1.1.4-A	Personal Protective Equipment	Mandatory
5.1.1.4-B	Operate Aircraft Openings	Mandatory
5.1.1.4-C	Initiate Attack	Mandatory
5.2.1	Respond To Airport Location	Mandatory
5.2.3	Communicate With Air Traffic Control	Mandatory
5.3.5	Attack Aircraft Interior Fire	Mandatory
5.4.1A	Gain Aircraft Access	Mandatory
5.2.2	Communicate Critical Information	Random
5.2.4	Perform An Airport Operation	Random
5.3.1	Extinguish Fuel Fire Using Extinguisher	Random
5.3.2	Extinguish Fuel Fire Using Hand Line	Random
5.3.3	Extinguish Fuel Fire Using Turret	Random
5.3.4	Extinguish 3-D Fire With Hand Lines	Random
5.3.6	Attack Power Unit Fire	Random
5.3.7	Attack Wheel Assembly Fire	Random
5.3.8	Ventilate Aircraft	Random
5.3.9	Replenish Extinguishing Agents	Random
5.3.10	Preserve Accident Scene	Random
5.3.11	Overhaul Accident Scene	Random
5.4.1B	Operate Power Tools	Random
5.4.1C	Operate Specialized Ladders/High-Reach Devices	Random
5.4.2	Disentanglement and Rescue	Random
5.4.3	Implement Initial Triage	Random



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Performance Test # 1 A

Donning Personal Protective Equipment (PPE)

PERFORMANCE STANDARD

The aircraft rescue firefighter candidate shall properly demonstrate the donning of personal protective clothing (PPE).

INSTRUCTIONS

Given a complete set of personal protective clothing (coat, pants, hood, gloves, helmet, and boots); you will be required to properly don the proximity protective clothing. You will begin on my instruction to start. The skill will end when you state to me that you have completed all of the identified steps. Do you understand these instructions?

INSTRUCTOR/EXAMINER NOTES:

The aircraft rescue fire fighter candidate will not be allowed to review the performance steps at the time of testing

PREPARATION & EQUIPMENT

PPE Ensemble (Pants and boots, coat, hood, helmet with shroud, gloves)



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Candidate: _____ **Notes:** _____

Training Provider: _____

Test Site: _____

Examiner: _____

NFPA 1003 5.1.1.4	<u>TEST</u>		<u>RETEST</u>	
	PASS	FAIL	PASS	FAIL
Performance Test # 1A				
The candidate shall safely and correctly don:				
Don pants and boots (<i>cuffs over boots, suspenders in place, waist fastened</i>)				
Don hood (<i>covering hair, ears, and neck</i>)				
Don coat (<i>storm flap closed, collar up and secured, cuffs in place</i>)				
Don helmet (<i>chin strap connected, adequately tightened, ear shroud down</i>)				
Don gloves (<i>covering wrist completely</i>)				
Complete above correctly within one (1) minute				
Place all equipment in a ready state for reuse				
RESULT	<input type="checkbox"/> pass	<input type="checkbox"/> fail	<input type="checkbox"/> pass	<input type="checkbox"/> fail

Required to pass:

All steps of the skill objective are mandatory and must be scored as “Satisfactory” to pass the skill.

Proctor Comments:

Proctor (Print & Sign): _____ **Date** _____

Re-Test Proctor(Print & Sign): _____ **Date** _____

Re-Test candidate (Print & Sign) _____ **Date** _____



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Performance Test # 1 B

Operate Aircraft Openings

PERFORMANCE STANDARD

Operate doors, hatches and evacuation chutes on various aircraft

INSTRUCTIONS

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.

INSTRUCTOR/EXAMINER NOTES:

Given a scenario with the candidate positioned in the interior *and* exterior of the aircraft, the candidate shall demonstrate the following procedures.

PREPARATION & EQUIPMENT

ARFF vehicle
PPE
SCBA
Various aircraft



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Candidate: _____ **Notes:** _____

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Test Site: _____

Examiner: _____

NFPA 1003 5.1.1.4	<u>TEST</u>		<u>RETEST</u>	
	PASS	FAIL	PASS	FAIL
Performance Test # 1B				
The candidate will:				
Open a normal access door on a commercial jet aircraft				
Open a normal access door on a commuter airliner				
Open a normal access door on a general aviation aircraft				
Open an over-wing emergency exit on a commercial jet aircraft (if applicable)				
Explain the operation of the various emergency escape slides				
RESULT	<input type="checkbox"/> pass	<input type="checkbox"/> fail	<input type="checkbox"/> pass	<input type="checkbox"/> fail

Required to pass:

All steps of the skill objective are mandatory and must be scored as “Satisfactory” to pass the skill

Proctor Comments:

Proctor (Print & Sign): _____ **Date** _____

Re-Test Proctor(Print & Sign): _____ **Date** _____

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Performance Test # 1 C

Initiate Aircraft Fire Attack

PERFORMANCE STANDARD

Perform an initial attack of an aircraft fire with an ARFF vehicle, using proper approach and positioning.

INSTRUCTIONS

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.

INSTRUCTOR/EXAMINER NOTES:

Given an aircraft fire scenario, the candidate shall demonstrate the following procedures

PREPARATION & EQUIPMENT

ARFF vehicle
PPE
SCBA
Aircraft Prop
Simulated fire



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Candidate: _____ **Notes:** _____

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Examiner: _____

NFPA 1003 5.1.1.4	<u>TEST</u>		<u>RETEST</u>	
	PASS	FAIL	PASS	FAIL
Performance Test # 1C				
The candidate will:				
Determine there are no hazards or topographical limitations along the route				
Position the apparatus appropriately for initial attack using proper approach techniques				
Ensure adequate escape/rescue route				
Demonstrate the ability to engage pump in a timely manner				
Select appropriate extinguishing agent and apply to fire area				
Demonstrate proper operation of turret				
Perform proper shutdown of the turret and the pump				
RESULT	<input type="checkbox"/> pass	<input type="checkbox"/> fail	<input type="checkbox"/> pass	<input type="checkbox"/> fail

Required to pass:

All steps of the skill objective are mandatory and must be scored as “Satisfactory” to pass the skill

Proctor Comments:

Proctor (Print & Sign): _____ **Date** _____

Re-Test Proctor(Print & Sign): _____ **Date** _____

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Performance Test # 1 D

Shut Down Aircraft Engine Systems

PERFORMANCE STANDARD

Perform shutdown of aircraft engine and fuel systems

INSTRUCTIONS

The candidate shall be able to demonstrate how to shut down the engine and fuel system on a given aircraft, and point out the location of all controls used for shutdown purposes

INSTRUCTOR/EXAMINER NOTES:

Given an aircraft/prop, the candidate shall demonstrate the following procedures.

PREPARATION & EQUIPMENT

ARFF vehicle
PPE
Aircraft or prop



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Candidate: _____ **Notes:** _____

Training Provider: _____

Test Site: _____

Examiner: _____

NFPA 1003 5.1.1.4	<u>TEST</u>		<u>RETEST</u>	
	PASS	FAIL	PASS	FAIL
Performance Test # 1D				
The candidate will:				
Locate and explain the operation of the emergency engine shutdown system in the cockpit				
Locate and explain the operation of the fuel system shutdown for emergencies				
RESULT	<input type="checkbox"/> pass	<input type="checkbox"/> fail	<input type="checkbox"/> pass	<input type="checkbox"/> fail

Required to pass:

All steps of the skill objective are mandatory and must be scored as “Satisfactory” to pass the skill

Proctor Comments:

Proctor (Print & Sign): _____ **Date** _____

Re-Test Proctor(Print & Sign): _____ **Date** _____

Re-Test candidate (Print & Sign) _____ **Date** _____



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Performance Test # 1 E

Shutdown Aircraft Electrical Systems

PERFORMANCE STANDARD

Perform shutdown of aircraft electrical systems.

INSTRUCTIONS

The candidate shall demonstrate the shutdown of the electrical system on a given aircraft, and identify the location of all controls used for those purposes.

INSTRUCTOR/EXAMINER NOTES:

Given an aircraft/prop, the candidate shall demonstrate the following procedures.

PREPARATION & EQUIPMENT

ARFF vehicle
PPE
Aircraft or prop



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Candidate: _____ **Notes:** _____

Training Provider: _____

Test Site: _____

Examiner: _____

NFPA 1003 5.1.1.4	<u>TEST</u>		<u>RETEST</u>	
	PASS	FAIL	PASS	FAIL
Performance Test # 1E				
The candidate will:				
Locate and explain the operation of the battery master switches and the generator switches				
Locate and explain the operation of the APU shutdown in the cockpit (if applicable)				
Locate and explain the operation of the APU shutdown on the exterior panel (if applicable)				
Explain the procedure for disconnecting the aircraft from ground power connections				
Locate the batteries and explain the procedure for manually disconnecting them				
RESULT	<input type="checkbox"/> pass	<input type="checkbox"/> fail	<input type="checkbox"/> pass	<input type="checkbox"/> fail

Required to pass:

All steps of the skill objective are mandatory and must be scored as “Satisfactory” to pass the skill

Proctor Comments:

Proctor (Print & Sign): _____ **Date** _____

Re-Test Proctor(Print & Sign): _____ **Date** _____

Re-Test candidate (Print & Sign) _____ **Date** _____



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Performance Test # 1 F

Shut Down Aircraft Hydraulic Systems

PERFORMANCE STANDARD

Perform shutdown of aircraft hydraulic systems.

INSTRUCTIONS

The candidate shall demonstrate how to shut down the hydraulic system on a given aircraft, and identify the location of all controls used for those purposes.

INSTRUCTOR/EXAMINER NOTES:

Given an aircraft/prop, the candidate shall demonstrate the following procedures

PREPARATION & EQUIPMENT

ARFF vehicle
PPE
Aircraft or prop



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Candidate: _____ **Notes:** _____

Training Provider: _____

Test Site: _____

Examiner: _____

NFPA 1003 5.1.1.4	<u>TEST</u>		<u>RETEST</u>	
	PASS	FAIL	PASS	FAIL
Performance Test # 1F				
The candidate will:				
Locate and explain the operation of the hydraulic system shut down in the cockpit				
Locate and explain the operation of the hydraulic system shut down from outside the aircraft. (if applicable)				
Explain the hazards associated with the hydraulic system				
RESULT	<input type="checkbox"/> pass	<input type="checkbox"/> fail	<input type="checkbox"/> pass	<input type="checkbox"/> fail

Required to pass:

All steps of the skill objective are mandatory and must be scored as “Satisfactory” to pass the skill

Proctor Comments:

Proctor (Print & Sign): _____ **Date** _____

Re-Test Proctor(Print & Sign): _____ **Date** _____

Re-Test candidate (Print & Sign) _____ **Date** _____



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Performance Test # 1 G

Operate Aircraft Extinguishing Systems

PERFORMANCE STANDARD

Operate aircraft extinguishing systems

INSTRUCTIONS

The candidate shall locate and operate the fire extinguishing systems on a given aircraft; including engine, APU, and cargo area systems, and identify the location of all controls utilized for those purposes.

INSTRUCTOR/EXAMINER NOTES:

Given an aircraft/prop, the candidate shall demonstrate the following procedures

PREPARATION & EQUIPMENT

ARFF vehicle
PPE
Aircraft or prop



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Candidate: _____ **Notes:** _____

Training Provider: _____

Test Site: _____

Examiner: _____

NFPA 1003 5.1.1.4	<u>TEST</u>		<u>RETEST</u>	
	PASS	FAIL	PASS	FAIL
Performance Test # 1G				
The candidate will:				
Locate and explain the operation of emergency engine shutdown and fire suppression system located in the cockpit. (if applicable)				
Locate and explain the operation of the emergency APU shutdown and fire suppression system located in the cockpit (if applicable)				
Locate and explain the operation of the emergency APU shutdown and fire suppression system located on the outside of the aircraft. (if applicable)				
Locate and explain the operation of the cargo area fire suppression system. (if applicable)				
RESULT	<input type="checkbox"/> pass	<input type="checkbox"/> fail	<input type="checkbox"/> pass	<input type="checkbox"/> fail

Required to pass:

All steps of the skill objective are mandatory and must be scored as “Satisfactory” to pass the skill

Proctor Comments:

Proctor (Print & Sign): _____ **Date** _____

Re-Test Proctor(Print & Sign): _____ **Date** _____

Re-Test candidate (Print & Sign) _____ **Date** _____



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Performance Test # 2

Response-Responding to Incidents

PERFORMANCE STANDARD

Respond to day and night incidents or accidents on and 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.

INSTRUCTIONS

You will read an airport map with grid marks and interpret correct actions to be taken in relation to the grid map. You will be able to identify an airport water distribution location on the grid map. You will also verbalize or identify airport markings and lights in regards to the response scenario given. You will be given ____ minutes to complete this exercise. Do you understand these instructions?

INSTRUCTOR/EXAMINER NOTES:

The aircraft rescue fire fighter trainee will not be allowed to review the performance steps at the time of testing. Response time will be determined by AHJ and included in instructions above.

PREPARATION & EQUIPMENT

Airport map with grid markings
A given scenario



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Candidate: _____ **Notes:** _____

Training Provider: _____

Test Site: _____

Examiner: _____

NFPA 1003 5.2.1	<u>TEST</u>		<u>RETEST</u>	
	PASS	FAIL	PASS	FAIL
Performance Test # 2				
The candidate will:				
find location given on airport grid map				
properly identify route to be taken				
identify any hazards of route to be taken				
correctly identify the water distribution system location(s) on the airport grid map				
identify airport lighting affecting the response				
identify airport markings affecting the response				
complete all steps within the allotted time				
RESULT	<input type="checkbox"/> pass	<input type="checkbox"/> fail	<input type="checkbox"/> pass	<input type="checkbox"/> fail

Required to pass:

All steps of the skill objective are mandatory and must be scored as “Satisfactory” to pass the skill.

Proctor Comments:

Proctor (Print & Sign) _____ **Date** _____

Re-Test Proctor (Print & Sign): _____ **Date** _____

Re-Test candidate (Print & Sign) _____ **Date** _____



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Performance Test # 3

Response -Communications – Size Up

PERFORMANCE STANDARD

Communicate critical incident information regarding an incident or accident on or adjacent to an airport, given an assignment involving an incident or accident and an incident management system (IMS) protocol, so that the information provided is accurate and sufficient for the incident commander to initiate an attack plan.

INSTRUCTIONS

Given a scenario and communications equipment, you will operate communications systems, identify aircraft type, communicate an accurate situation report, and implement the incident management system (IMS) protocol according to the airport emergency plan. Do you understand these instructions?

INSTRUCTOR/EXAMINER NOTES:

The aircraft rescue fire fighter trainee will not be allowed to review the performance steps at the time of testing.

PREPARATION & EQUIPMENT

Incident Management System protocol
Airport emergency plan
Communication equipment and procedure
Fire attack procedures
A given scenario



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Candidate: _____ **Notes:** _____

Training Provider: _____

Test Site: _____

Examiner: _____

NFPA 1003 5.2.2 Performance Test # 3	<u>TEST</u>		<u>RETEST</u>	
	PASS	FAIL	PASS	FAIL
The candidate will:				
operate communication devices correctly				
communicate an accurate brief initial report, size-up and situation report				
implement IMS according to airport emergency plan				
identify aircraft types				
correctly utilize the IMS				
use proper radio etiquette				
RESULT	<input type="checkbox"/> pass	<input type="checkbox"/> fail	<input type="checkbox"/> pass	<input type="checkbox"/> fail

Required to pass:

All steps of the skill objective are mandatory and must be scored as “Satisfactory” to pass the skill.

Proctor Comments:

Proctor (Print & Sign): _____ **Date** _____

Re-Test Proctor (Print & Sign): _____ **Date** _____

Re-Test candidate (Print & Sign): _____ **Date** _____



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Performance Test # 4

Response -Communications – Air Traffic Control (ATC)

PERFORMANCE STANDARD

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.

INSTRUCTIONS

Given a scenario and communication equipment, you will operate communications equipment using aviation phraseology and the aviation phonetic alphabet. Do you understand these instructions?

INSTRUCTOR/EXAMINER NOTES:

The aircraft rescue fire fighter trainee will not be allowed to review the performance steps at the time of testing.

PREPARATION & EQUIPMENT

Communication equipment and frequencies
Tower light signal plans
Fire department and airport terminology
A response destination
Other items as determined by the examiner



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Candidate: _____ **Notes:** _____

Training Provider: _____

Test Site: _____

Examiner: _____

NFPA 1003 5.2.3 Performance Test # 4	<u>TEST</u>		<u>RETEST</u>	
	PASS	FAIL	PASS	FAIL
The candidate will:				
identify starting point, intended destination, and intended path of travel				
confirm clearance with ground control (radio or tower light signals)				
identify unit calling and request emergency clearance to travel on the aircraft operations area (AOA)				
correctly use aviation radio phraseology				
correctly use phonetic alphabet				
use proper radio etiquette				
operate communication devices correctly				
RESULT	<input type="checkbox"/> pass	<input type="checkbox"/> fail	<input type="checkbox"/> pass	<input type="checkbox"/> fail

Required to pass:

All steps of the skill objective are mandatory and must be scored as “Satisfactory” to pass the skill.

Proctor Comments:

Proctor (Print & Sign): _____ **Date** _____

Re-Test Proctor (Print & Sign): _____ **Date** _____

Re-Test candidate (Print): _____ **Date** _____



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Performance Test # 5

Response-Communications – Standby

PERFORMANCE STANDARD

Perform an airport operation, given an assignment, a hazardous condition, and the airport policies and procedures, so that unsafe conditions are detected and reduced in accordance with the airport policies and procedures.

INSTRUCTIONS

Given a scenario, you will recognize hazardous conditions, and take corrective action. Do you understand these instructions?

INSTRUCTOR/EXAMINER NOTES:

The aircraft rescue fire fighter trainee will not be allowed to review the performance steps at the time of testing

PREPARATION & EQUIPMENT

Airport policies and procedures for hazardous conditions
A given scenario



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Candidate: _____ **Notes:** _____

Training Provider: _____

Test Site: _____

Examiner: _____

NFPA 1003 5.2.4 Performance Test # 5	<u>TEST</u>		<u>RETEST</u>	
	PASS	FAIL	PASS	FAIL
The candidate will:				
review given assignment				
evaluate scenario for hazardous conditions				
address each hazardous condition separately				
resolve each hazardous condition according to policies and procedures				
RESULT	<input type="checkbox"/> pass	<input type="checkbox"/> fail	<input type="checkbox"/> pass	<input type="checkbox"/> fail

Required to pass:

All steps of the skill objective are mandatory and must be scored as “Satisfactory” to pass the skill.

Proctor Comments:

Proctor (Print & Sign): _____ **Date** _____

Re-Test Proctor (Print & Sign): _____ **Date** _____

Re-Test candidate (Print & Sign): _____ **Date** _____



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Performance Test # 6

Suppression – Dry Chemical Extinguisher

PERFORMANCE STANDARD

Extinguish a 23.2 m² (250 ft²) aircraft fuel spill fire, given PPE, a minimum of a 45 kg (100 lb) dry chemical fire extinguisher, and procedures, so that the agent is applied according to procedures and the fire is extinguished in 25 seconds.

INSTRUCTIONS

You shall, as a member of a team and utilizing PPE, operate dry chemical extinguishers equipped with a hose line, including removing and operating hose and applying agent, using prescribed techniques sufficient to extinguish a 23.2 m² (250ft²) fire in 25 seconds. Do you understand these instructions?

INSTRUCTOR/EXAMINER NOTES:

The aircraft rescue fire fighter trainee will not be allowed to review the performance steps at the time of testing.

PREPARATION & EQUIPMENT

PPE

100 lb (minimum) dry chemical fire extinguisher with hose line

Safety hand line (manned and charged) from secondary supply source per NFPA1403

Tank/contained area to recreate aircraft fuel spill



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Candidate: _____ **Notes:** _____

Training Provider: _____

Test Site: _____

Examiner: _____

NFPA 1003 5.3.1 Performance Test # 6	<u>TEST</u>		<u>RETEST</u>	
	PASS	FAIL	PASS	FAIL
The candidate will:				
place the extinguisher system into operation				
approach fire from the upwind position				
direct agent at the base of the fire, using an aggressive sweeping motion				
direct agent at the base of the fire, using an aggressive sweeping motion				
avoid splashing or churning fuel with agent stream				
extinguish the fire in 25 seconds or less, and monitor area for re-ignition				
RESULT	<input type="checkbox"/> pass	<input type="checkbox"/> fail	<input type="checkbox"/> pass	<input type="checkbox"/> fail

Required to pass:

All steps of the skill objective are mandatory and must be scored as “Satisfactory” to pass the skill.

Proctor Comments:

Proctor (Print & Sign): _____ **Date** _____

Re-Test Proctor (Print & Sign): _____ **Date** _____

Re-Test candidate (Print & Sign): _____ **Date** _____



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Performance Test # 7

Protect Evidence

PERFORMANCE STANDARD

Extinguish an aircraft fuel spill fire, given PPE, an assignment, agent application procedures, an ARFF vehicle hand line flowing a minimum of 359 L/min (95 gpm) of AFFF extinguishing agent, and 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)], so that the agent is applied using the prescribed techniques and the fire is extinguished in a time proportionate to, but no longer than, 90 seconds for a 73 m² (786 ft²) fire with a flow rate at 359 L/min (95 gpm).

INSTRUCTIONS

You shall, as a member of a team and utilizing PPE, operate fire streams and apply AFFF using the prescribed techniques, extinguish the fire in no more than 90 seconds. Do you understand these instructions?

INSTRUCTOR/EXAMINER NOTES:

The aircraft rescue fire fighter trainee will not be allowed to review the performance steps at the time of testing. Extinguishment time should be calculated for size of fire prior to exercise.

PREPARATION & EQUIPMENT

PPE
ARFF Apparatus equipped with a 95 gpm minimum hand line
Aqueous film forming foam (AFFF) or equivalent training agent
Tank/ contained area to recreate aircraft fuel spill



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Candidate: _____ **Notes:** _____

Training Provider: _____

Test Site: _____

Examiner: _____

NFPA 1003 5.3.2 Performance Test # 7	<u>TEST</u>		<u>RETEST</u>	
	PASS	FAIL	PASS	FAIL
The candidate will:				
approach fire from an upwind position				
maintain team integrity for duration of skill				
charge hand line and adjust nozzle pressure to produce effective pattern				
use techniques applied with consideration to fire behavior of aircraft fuels, pooling of fuel fires, physical properties, and characteristics of aircraft fuel				
avoid splashing or churning fuel with agent stream, apply agent with a sweeping motion and avoid walking through the foam blanket				
extinguish fire within 90 seconds and area is monitored for re-ignition				
RESULT	<input type="checkbox"/> pass	<input type="checkbox"/> fail	<input type="checkbox"/> pass	<input type="checkbox"/> fail

Required to pass:

All steps of the skill objective are mandatory and must be scored as “Satisfactory” to pass the skill.

Proctor Comments:

Proctor (Print & Sign): _____ **Date** _____

Re-Test Proctor (Print & Sign): _____ **Date** _____

Re-Test candidate (Print & Sign): _____ **Date** _____



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Performance Test # 8

Suppression – ARFF Vehicle Turret Fire

PERFORMANCE STANDARD

Extinguish an aircraft fuel spill fire, given an assignment, PPE, an ARFF vehicle turret flowing a minimum of 946 L/min (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 192m² (1932 ft²) fire with a flow rate of 946L/min (250 gpm).

INSTRUCTIONS

Working as a member of a team and utilizing PPE, you will identify hazardous conditions and apply fire-fighting agents and streams using ARFF vehicle turrets, to extinguish an aircraft fuel spill fire in less than 90 seconds. Do you understand these instructions?

INSTRUCTOR/EXAMINER NOTES:

The aircraft rescue fire fighter candidate will not be allowed to review the performance steps at the time of testing. Extinguishment time should be calculated for size of fire prior to exercise.

PREPARATION & EQUIPMENT

PPE
ARFF vehicle equipped with 250 gpm minimum turret
Secondary ARFF vehicle (manned) or other means of backup for safety per NFPA 1403
Airport or training center's procedure to recreate an aircraft fuel spill



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Candidate: _____ **Notes:** _____

Training Provider: _____

Test Site: _____

Examiner: _____

NFPA 1003 5.3.3	<u>TEST</u>		<u>RETEST</u>	
	PASS	FAIL	PASS	FAIL
Performance Test # 8				
The candidate will:				
engage the ARFF vehicle fire fighting systems				
approach and apply agent from an upwind posit				
select and operate the appropriate turret(s)				
modulate ARFF vehicle around the fire area, while applying agent in sweeping motion, pushing the fire away from the aircraft fuselage				
avoid driving through foam blanket				
perform assigned operation in compliance with airport policies and procedures				
extinguish the fire within the specified time (90 seconds or less)				
RESULT	<input type="checkbox"/> pass	<input type="checkbox"/> fail	<input type="checkbox"/> pass	<input type="checkbox"/> fail

Required to pass:

All steps of the skill objective are mandatory and must be scored as “Satisfactory” to pass the skill.

Proctor Comments:

Proctor (Print & Sign): _____ **Date** _____

Re-Test Proctor (Print & Sign): _____ **Date** _____

Re-Test candidate (Print & Sign): _____ **Date** _____



Arab Fire Safety and Security Academy (AFSSAC)

AIRPORT FIRE FIGHTER

PERFORMANCE STANDARDS

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Performance Test #9

Suppression – Three-Dimensional Fire

PERFORMANCE STANDARD

Extinguish a three-dimensional aircraft fuel fire as a member of a team, given a team, PPE, an assignment, ARFF vehicle hand line(s) using primary and secondary agents, and agent application procedures, 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.

INSTRUCTIONS

Working as a member of a team, utilizing PPE and an ARFF vehicle hand line with dual-agent capability, you will operate fire streams applying primary and secondary ARFF agents, using prescribed techniques sufficient to extinguish a three-dimensional fire. Do you understand these instructions?

INSTRUCTOR/EXAMINER NOTES:

The aircraft rescue fire fighter trainee will not be allowed to review the performance steps at the time of testing.

PREPARATION & EQUIPMENT

PPE

Training agent (AFFF, dry chemical, Halon, Halotron®, water)

ARFF vehicle equipped with dual-agent hand line capability

Safety hand line (manned and charged) from secondary supply source per NFPA 1403

Airport or training facilities procedure to recreate a three-dimensional fire

A given scenario



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NFPA 1003, 2015 Edition

Candidate: _____ **Notes:** _____

Training Provider: _____

Test Site: _____

Examiner: _____

NFPA 1003 5.3.4 Performance Test # 9	TEST		RETEST	
	PASS	FAIL	PASS	FAIL
The candidate will:				
maintain team integrity for duration of skill				
charge hand line(s) and adjust nozzle pressure to produce effective pattern(s)				
approach fire from upwind position				
use techniques applied with consideration to fire behavior of aircraft fuels in three-dimensional state, pooling of fuel fires, physical properties and characteristics of aircraft fuel				
avoid splashing or churning of pooled fuel with agent streams, and avoid walking through applied agent(s)				
monitor area for re-ignition				
RESULT	<input type="checkbox"/> pass	<input type="checkbox"/> fail	<input type="checkbox"/> pass	<input type="checkbox"/> fail

Required to pass:

All steps of the skill objective are mandatory and must be scored as “Satisfactory” to pass the skill.

Proctor Comments:

Proctor (Print & Sign): _____ **Date** _____

Re-Test Proctor (Print & Sign): _____ **Date** _____

Re-Test candidate (Print & Sign): _____ **Date** _____



Arab Fire Safety and Security Academy (AFSSAC)

AIRPORT FIRE FIGHTER

PERFORMANCE STANDARDS

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Performance Test # 10

Suppression - Interior

PERFORMANCE STANDARD

Attack a fire on the interior of an aircraft while operating as a member of a team, given a team, PPE, 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.

INSTRUCTIONS

You will attack a fire on the interior of an aircraft while operating as a member of a team. The team will don their PPE, be given an assignment, an ARFF vehicle hand line, an extinguishing agent. The team will deploy a ladder or utilize other means of accessing the aircraft. The team integrity is to be maintained during the entire evolution of the skill. The team ensures proper attack line deployment for advancement. The team safely ladders and gains access into the aircraft and the involved fire area. The team will demonstrate effective agent application practices, the fire is approached, and attack techniques facilitate suppression given the level of the fire. All hidden fires are located and controlled inside the interior of the aircraft. Aircraft interior hazards are avoided or managed, and the fire is brought under control. Do you understand these instructions?

INSTRUCTOR/EXAMINER NOTES:

The aircraft rescue fire fighter trainee will not be allowed to review the performance steps at the time of testing.

PREPARATION & EQUIPMENT

PPE
ARFF apparatus
Handlines
Ladder



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NFPA 1003, 2015 Edition

Candidate: _____ **Notes:** _____

Training Provider: _____

Test Site: _____

Examiner: _____

NFPA 1003 5.3.5	<u>TEST</u>		<u>RETEST</u>	
	PASS	FAIL	PASS	FAIL
Performance Test # 10				
The candidate will:				
Maintain team integrity for duration of skill scenario				
Gain access to aircraft interior				
Open, close, and adjust nozzle flow and patterns				
Apply agent using direct, indirect, and combination attacks				
Advance charged and uncharged hose lines up ladders and up and down interior and exterior stairways				
Locate and suppress interior fires				
RESULT	<input type="checkbox"/> pass	<input type="checkbox"/> fail	<input type="checkbox"/> pass	<input type="checkbox"/> fail

Required to pass:

All steps of the skill objective are mandatory and must be scored as “Satisfactory” to pass the skill.

Proctor Comments:

Proctor (Print & Sign): _____ **Date** _____

Re-Test Proctor (Print & Sign): _____ **Date** _____

Re-Test candidate (Print & Sign): _____ **Date** _____



Arab Fire Safety and Security Academy (AFSSAC)

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Performance Test # 11

Suppression – Engine or Auxiliary Power Unit (EPU/APU)

PERFORMANCE STANDARD

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 PPE, 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.

INSTRUCTIONS

Working as a member of a team, utilizing PPE, you will deploy and operate ARFF handline or turrets, gain access to aircraft engine and APU/EPU, and shut down engine and APU. Do you understand these instructions?

INSTRUCTOR/EXAMINER NOTES:

The aircraft rescue fire fighter trainee will not be allowed to review the performance steps at the time of testing.

PREPARATION & EQUIPMENT

PPE
SCBA
ARFF vehicle with turret
Policies and procedures regarding extinguishment of aircraft engine/APU/EPU fires
A given scenario



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NFPA 1003, 2015 Edition**

Candidate: _____ **Notes:** _____

Training Provider: _____

Test Site: _____

Examiner: _____

NFPA 1003 5.3.6	TEST		RETEST	
	PASS	FAIL	PASS	FAIL
Performance Test # 11				
The candidate will:				
setup attack from a safe distance				
select proper agent				
engage extinguishing system and ARFF handline				
approach fire in accordance with safety procedures (i.e. upwind position, rear or front of wheel assembly)				
gain access to aircraft engine and APU/EPU				
select and operate the appropriate turret(s)/handline				
shut down engine and APU				
manage agent supply with accurate/effective stream placemen				
apply agent in a sweeping motion and avoid walking through foam blanket				
RESULT	<input type="checkbox"/> pass	<input type="checkbox"/> fail	<input type="checkbox"/> pass	<input type="checkbox"/> fail

Required to pass:

All steps of the skill objective are mandatory and must be scored as “Satisfactory” to pass the skill.

Proctor Comments:

Proctor (Print & Sign): _____ **Date** _____

Re-Test Proctor (Print & Sign): _____ **Date** _____

Re-Test candidate (Print & Sign): _____ **Date** _____



Arab Fire Safety and Security Academy (AFSSAC)
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Performance Test # 12

Suppression – Wheel Fire

PERFORMANCE STANDARD

Attack a wheel assembly fire, as a member of a team, given PPE, a team, an assignment, an ARFF vehicle hand line, and correct agent, so that the fire is extinguished.

INSTRUCTIONS

Working as a member of a team, utilizing PPE, you will attack a wheel assembly fire. You will approach the fire in accordance with safety procedures, select and apply agent to extinguish the fire. Do you understand these instructions?

INSTRUCTOR/EXAMINER NOTES:

The aircraft rescue fire fighter trainee will not be allowed to review the performance steps at the time of testing.

PREPARATION & EQUIPMENT

ARFF Vehicle
PPE
SCBA
Wheel assembly fire
Hand line
Various training agents (AFFF, dry chemical, Halon, Halotron®, water)
Other items as determined by the examiner
A given scenario



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NFPA 1003, 2015 Edition

Candidate: _____ **Notes:** _____

Training Provider: _____

Test Site: _____

Examiner: _____

NFPA 1003 5.3.7	TEST		RETEST	
	PASS	FAIL	PASS	FAIL
Performance Test # 12				
The candidate will:				
be aware of fusible plug problems				
setup attack from a safe distance				
select proper agent				
engage extinguishing system and ARFF handline				
approach fire in accordance with safety procedures (i.e. upwind position, rear or front of wheel assembly)				
adjust nozzle to produce an effective pattern				
direct agent at the base of the fire				
monitor area for re-ignition				
RESULT	<input type="checkbox"/> pass	<input type="checkbox"/> fail	<input type="checkbox"/> pass	<input type="checkbox"/> fail

Required to pass:

All steps of the skill objective are mandatory and must be scored as “Satisfactory” to pass the skill.

Proctor Comments:

Proctor (Print & Sign): _____ **Date** _____

Re-Test Proctor (Print & Sign): _____ **Date** _____

Re-Test candidate (Print & Sign): _____ **Date** _____



Arab Fire Safety and Security Academy (AFSSAC)

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PERFORMANCE STANDARDS

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Performance Test # 13

Suppression - Ventilation

PERFORMANCE STANDARD

Ventilate an aircraft through available doors and hatches while operating as a member of a team, given PPE, an assignment, tools and mechanical ventilation devices, so that openings are created, all ventilation barriers are removed and the heat and all products of combustion are released.

INSTRUCTIONS

Operating as a member of a team, given PPE and an assignment, you will operate doors and hatches. You will operate mechanical ventilation devices and remove barriers. Do you understand these instructions?

INSTRUCTOR/EXAMINER NOTES:

The aircraft rescue fire fighter trainee will not be allowed to review the performance steps at the time of testing.

PREPARATION & EQUIPMENT

PPE
SCBA
Mechanical ventilation device
Aircraft door, hatch, or equivalent simulator
A given scenario



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PERFORMANCE STANDARDS
NFPA 1003, 2015 Edition

Candidate: _____ **Notes:** _____

Training Provider: _____

Test Site: _____

Examiner: _____

NFPA 1003 5.3.8	<u>TEST</u>		<u>RETEST</u>	
	PASS	FAIL	PASS	FAIL
Performance Test # 13				
The candidate will:				
safely operate aircraft door or hat				
choose correct aircraft access point				
remove obstructions or barriers to ventilation process				
set up and operate mechanical ventilation device at opening provided				
RESULT	<input type="checkbox"/> pass	<input type="checkbox"/> fail	<input type="checkbox"/> pass	<input type="checkbox"/> fail

Required to pass:

All steps of the skill objective are mandatory and must be scored as “Satisfactory” to pass the skill.

Proctor Comments:

Proctor (Print & Sign): _____ **Date** _____

Re-Test Proctor (Print & Sign): _____ **Date** _____

Re-Test candidate (Print & Sign): _____ **Date** _____



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Performance Test # 14

Suppression - Replenish Extinguishing Agents

PERFORMANCE STANDARD

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).

INSTRUCTIONS

Working as a member of a team, you will demonstrate the procedures to replenish the vehicle agent and water supply. Do you understand these instructions?

INSTRUCTOR/EXAMINER NOTES:

The aircraft rescue fire fighter trainee will not be allowed to review the performance steps at the time of testing.

PREPARATION & EQUIPMENT

Helmet
Gloves
Boots
Eye protection
ARFF vehicle
A given scenario



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PERFORMANCE STANDARDS
NFPA 1003, 2015 Edition

Candidate: _____ **Notes:** _____

Training Provider: _____

Test Site: _____

Examiner: _____

NFPA 1003 5.3.9 Performance Test # 14	TEST		RETEST	
	PASS	FAIL	PASS	FAIL
The candidate will:				
use proper PPE, such as helmet, eye protection and gloves				
flush hydrant before attaching supply line				
connect supply line to hydrant (or mobile water source) and vehicle intake				
open water tank and foam tank vent covers				
operate hydrant and valves to fill water tank. Close valves when full of water				
open and close valves slowly to prevent water hammer				
manually fill foam tank with proper amount and type of foam system used				
close vent covers, disconnect lines, and return intake cap				
ensure water has drained from hydrant before replacing hydrant cap				
complete skill within the time established by the AHJ				
RESULT	<input type="checkbox"/> pass	<input type="checkbox"/> fail	<input type="checkbox"/> pass	<input type="checkbox"/> fail

Required to pass:

All steps of the skill objective are mandatory and must be scored as “Satisfactory” to pass the skill.

Proctor Comments:

Proctor (Print & Sign): _____ **Date** _____

Re-Test Proctor (Print & Sign): _____ **Date** _____

Re-Test candidate (Print & Sign): _____ **Date** _____



Arab Fire Safety and Security Academy (AFSSAC)
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PERFORMANCE STANDARDS
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Performance Test # 15

Suppression-Preserve Scene and Overhaul

PERFORMANCE STANDARD

5.3.10 - Preserve the aircraft accident scene, given an assignment and procedures, so that evidence is identified, protected, and reported according to procedures.

5.3.11 - Overhaul the accident scene, given PPE, 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.

INSTRUCTIONS

Working in a team with PPE, hand line and property conservation equipment, you will search a debris field or wrecked fuselage and locate, expose and extinguish any hidden fires to protect property from further damage. Preserve the aircraft accident scene so that evidence is identified, protected, and reported according to procedures. Do you understand these instructions?

INSTRUCTOR/EXAMINER NOTES:

The aircraft rescue fire fighter trainee will not be allowed to review the performance steps at the time of testing.

PREPARATION & EQUIPMENT

Airport evidence preservation and reporting policies and procedures
Airport emergency plan
PPE
Debris field or aircraft
Thermal imager
Charged hand line
Forcible entry tools
Heat source
A given scenario



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NFPA 1003, 2015 Edition

Candidate: _____ **Notes:** _____

Training Provider: _____

Test Site: _____

Examiner: _____

NFPA 1003 5.3.10, 5.3.11 Performance Test # 15	TEST		RETEST	
	PASS	FAIL	PASS	FAIL
The candidate will:				
identify scene preservation methods				
identify evidence identification procedures				
identify evidence protection procedures				
identify evidence reporting procedures				
secure area and ensure overhaul does not disturb evidence				
use property conservation equipment				
locate hidden fire (heat source); use thermal imager if available				
RESULT	<input type="checkbox"/> pass	<input type="checkbox"/> fail	<input type="checkbox"/> pass	<input type="checkbox"/> fail

Required to pass:

All steps of the skill objective are mandatory and must be scored as “Satisfactory” to pass the skill.

Proctor Comments:

Proctor (Print & Sign): _____ **Date** _____

Re-Test Proctor (Print & Sign): _____ **Date** _____

Re-Test candidate (Print & Sign): _____ **Date** _____



Arab Fire Safety and Security Academy (AFSSAC)
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PERFORMANCE STANDARDS
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Performance Test # 16

Rescue – Access

PERFORMANCE STANDARD

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 PPE and an assignment, so that passenger evacuation and rescue can be accomplished.

INSTRUCTIONS

Working in a team with PPE, you will use ladders and high reach devices to access an aircraft and assist with emergency evacuation of the aircraft. After the evacuation you will safety the aircraft by shutting down the aircraft systems. Do you understand these instructions?

INSTRUCTOR/EXAMINER NOTES:

The aircraft rescue fire fighter trainee will not be allowed to review the performance steps at the time of testing.

PREPARATION & EQUIPMENT

PPE
Aircraft or Simulator (interior)
Ladder or high reach device (airstairs)
Charged hand line



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Candidate: _____ **Notes:** _____

Training Provider: _____

Test Site: _____

Examiner: _____

NFPA 1003 5.4.1	TEST		RETEST	
	PASS	FAIL	PASS	FAIL
Performance Test # 16				
The candidate will correctly and safely:				
assist with evacuation and secure evacuation chutes				
operate power saw				
operate hydraulic spreader and cutter				
operate a pneumatic cutter				
operate a pulling device				
operate a specialized ladder				
operate a high reach device (if available)				
shut down aircraft systems				
RESULT	<input type="checkbox"/> pass	<input type="checkbox"/> fail	<input type="checkbox"/> pass	<input type="checkbox"/> fail

Required to pass:

All steps of the skill objective are mandatory and must be scored as “Satisfactory” to pass the skill.

Proctor Comments:

Proctor (Print & Sign): _____ **Date** _____

Re-Test Proctor (Print & Sign): _____ **Date** _____

Re-Test candidate (Print & Sign): _____ **Date** _____



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PERFORMANCE STANDARDS
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Performance Test # 17

Rescue – Disentangle

PERFORMANCE STANDARD

Locate and disentangle an entrapped victim from an aircraft as a member of a team, given PPE, a team and an assignment, and rescue tools, so that the victim is freed from entrapment without undue further injury and hazards are managed.

INSTRUCTIONS

Working in a team with PPE, you will use power tools to access an entrapped victim and disentangle the victim without undue further injury while managing any hazards present. Do you understand these instructions?

INSTRUCTOR/EXAMINER NOTES:

The aircraft rescue fire fighter trainee will not be allowed to review the performance steps at the time of testing.

PREPARATION & EQUIPMENT

PPE
Aircraft wreckage
Charged hand line
Powered forcible entry tools
Rescue mannequin
A given scenario



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AIRPORT FIRE FIGHTER
PERFORMANCE STANDARDS
NFPA 1003, 2015 Edition

Candidate: _____ **Notes:** _____

Training Provider: _____

Test Site: _____

Examiner: _____

NFPA 1003 5.4.2	<u>TEST</u>		<u>RETEST</u>	
	PASS	FAIL	PASS	FAIL
Performance Test # 17				
The candidate will:				
correctly perform search procedures				
control any hazards				
safely remove victim				
correctly and safely operate rescue tools				
RESULT	<input type="checkbox"/> pass	<input type="checkbox"/> fail	<input type="checkbox"/> pass	<input type="checkbox"/> fail

Required to pass:

All steps of the skill objective are mandatory and must be scored as “Satisfactory” to pass the skill.

Proctor Comments:

Proctor (Print & Sign): _____ **Date** _____

Re-Test Proctor (Print & Sign): _____ **Date** _____

Re-Test candidate (Print & Sign): _____ **Date** _____



Arab Fire Safety and Security Academy (AFSSAC)
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PERFORMANCE STANDARDS
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Performance Test # 18

Rescue – Triage

PERFORMANCE STANDARD

Implement initial triage of the victims of an aircraft accident, given PPE, an assignment, and triage protocol of the AHJ, so that each victim is evaluated and correctly categorized according to protocol.

INSTRUCTIONS

Working in PPE, you will use the AHJ's protocol to implement initial triage to victims placing them in the proper categories for treatment and transport. Do you understand these instructions?

INSTRUCTOR/EXAMINER NOTES:

The aircraft rescue fire fighter trainee will not be allowed to review the performance steps at the time of testing.

PREPARATION & EQUIPMENT

PPE
Triage tags (color-coded)
Simulated victims
A given scenario



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PERFORMANCE STANDARDS
NFPA 1003, 2015 Edition

Candidate: _____ **Notes:** _____

Training Provider: _____

Test Site: _____

Examiner: _____

NFPA 1003 5.4.3	TEST		RETEST	
	PASS	FAIL	PASS	FAIL
Performance Test # 18				
The candidate will correctly:				
size-up scene, ensuring scene is safe				
set up triage areas for each category				
use proper PPE				
assess the critical factors of patient condition				
tag patient for triage category				
direct movement of patients to triage category area				
RESULT	<input type="checkbox"/> pass	<input type="checkbox"/> fail	<input type="checkbox"/> pass	<input type="checkbox"/> fail

Required to pass:

All steps of the skill objective are mandatory and must be scored as “Satisfactory” to pass the skill.

Proctor Comments:

Proctor (Print & Sign): _____ **Date** _____

Re-Test Proctor (Print & Sign): _____ **Date** _____

Re-Test candidate (Print & Sign): _____ **Date** _____