NFPA 1010: 2024 Edition, Chapter 8 Airport Firefighter

Below please find what has been previously approved by the Committee on Accreditation (COA) for this level of certification. This example does not take into consideration "Document Review", "Portfolio", or "Other testing methods."

If your agency selects completing their online Assessment Methodology Matrix (AMM) utilizing these test methods, our Technical Analysts may place your application under a COA meeting consent agenda bypassing the usual COA review.

The spaces identified below with an "X" must be replaced with the appropriate cognitive test item numbers (e.g. Questions 1,4,6,7,9, etc.) or the score sheet numbers under Product, Psychomotor/Process methods as score sheet numbers (e.g.- SS 101, 202, and 304, etc.).

	Knowledge-Based Assessments		Performance-B	ased Assessments
	(graded after	submission)	(graded in real-time	as they are performed)
	Cognitive	Product	Psychomotor	Process
Section	(e.g. Multiple Choice, Short Answer, Discretionary Time with Resources)	(e.g., document or develop a budget, proposal, lesson plan)	(Primarily an observable physical task. e.g., don, doff)	(Primarily a mental or verbalized task. e.g., inspect)

8.1.1* General Knowledge Requirements.

Fundamental aircraft firefighting techniques, including the approach, positioning, initial attack, and selection, application, and management of the extinguishing agents; limitations of various sized hand lines; use of personal protective equipment (PPE); fire behavior; firefighting techniques in oxygen-enriched atmospheres; reaction of aircraft materials to heat and flame; critical components and hazards of civil aircraft construction and systems related to ARFF operations; special hazards associated with military aircraft systems; a national defense area and limitations within that area; characteristics of different aircraft fuels; hazardous areas in and around aircraft; aircraft fueling systems (hydrant/vehicle); aircraft egress/ingress (hatches, doors, and evacuation chutes); hazards associated with aircraft cargo, including dangerous goods; hazardous areas, including entry control points, crash scene perimeters, and requirements for operations within the hot, warm, and cold zones; and critical stress management policies and procedures.

8.1.1	X

8.1.2 General Skills Requirements.

Don PPE; operate hatches, doors, and evacuation chutes; approach, position, and initially attack an aircraft fire; select, apply, and manage extinguishing agents; shut down aircraft systems, including engine, electrical, hydraulic, and fuel systems; operate aircraft extinguishing systems, including cargo area extinguishing systems.

8.1.2		X

8.2.1			
_		-	e airport, given an assignment, operating conditions, a
	a grid map, a vehicle, an the site within the allotte		time, so that the route selected and taken provides
8.2.1			X
(A) Requ	nisite Knowledge.		
_			esignations, frangible gate locations, airport markings,
			l critical rescue and firefighting access areas,
			ement areas and areas of response in and close to the ols on airfield; bridge load limits; controlled access
			ge and distribution locations; airport and immediate
local area	a topographic layout, dra	inage systems, water su	pplies, airport facilities, and security.
8.2.1	W 7		
<u>(A)</u>	X		
(B) Requ	uisite Skills.		
	erpret, and take correct a	ction related to grid ma	ps, water distribution maps, airport markings, and
lights.			
8.2.1 (B)			X
8.2.2			
Commonwe	vicata anitical in aidant inf	Commentian mecandine on i	ncident on or adjacent to an airport, given an
			ement system (IMS) protocol, so that the information
_	is accurate for the incide	•	7 71 7
8.2.2			X
(A) Requ	nisite Knowledge.		
Incident	management system (IM	S) protocol the airport	emergency plan, airport and aircraft familiarization,
	<u> </u>	, <u> </u>	communications procedures.
8.2.2	V		
8.2.2 (A)	X		
(B) Requ	isite Skills.		
Operate of	communications systems	, communicate an accur	rate situation report, implement incident management
_	MS) protocol and airpor		± ±
0 2 2 (D)			V
8.2.2 (B)			X

8.2.3			
	nicate with applicable air and radio equipment, so the		given a response destination on or adjacent to an es are obtained.
		1	
8.2.3			X
(A) Requ	isite Knowledge.		
		•	voiding runway/aircraft movement area incursion, signals, aviation terminology, and phonetic alphabet.
8.2.3 (A)	X		
(B) Requ	isite Skills.		
Operate o	communications equipme	ent and use aviation terr	ninology and phonetic alphabet.
8.2.3 (B)			X
8.2.4*			
	es, so that unsafe conditi		ardous condition, and the airport policies and duced in accordance with the airport policies and
<u>8.2.4</u>			X
(A) Requ	nisite Knowledge.		
Airport a	and aircraft policies and p	procedures for hazardou	s conditions.
8.2.4 (A)	X		
(B) Requ	usite Skills.		
Recogniz	ze hazardous conditions a	and initiate corrective ac	etion.
8.2.4 (B)			X
8.3.1*			
firefighti agent, an	ng vehicle hand line flov	ving a minimum of 95 g rate used, so that the ag	, an assignment, agent application procedures, a pm (359 L/min) of approved foam extinguishing tent is applied using the prescribed techniques and the
8.3.1			X

, , ,	uisite Knowledge.		
	behavior of aircraft fuels on rates and densities.	in pools, physical prop	erties and characteristics of aircraft fuel, and agent
8.3.1 (A)	X		
(B) Requ	nisite Skills.	!	
Operate	fire streams and apply ag	gent.	
8.3.1 (B)	1		X
8.3.2*	1	·	
approved	l minimum required flow	w, a fire sized to the appr	, approved PPE, an ARFF vehicle turret flowing the roved flow rate used, and the procedures for agent edures and the fire is extinguished as required by the
8.3.2			X
(A) Requ	iisite Knowledge.		
_	es and characteristics of a		ire behavior of aircraft fuels in pools, physical res for agent application, and agent application rates
8.3.2 (A)	X		
(B) Requ	nisite Skills.	1	
Apply fin	refighting agents and stre	eams using ARFF vehic	le turrets.
8.3.2 (B)			X
8.3.3*			
assignme procedur	ent, firefighting vehicle h	nand line(s) using prima attack is used, the agent	nber of a team, given a team, approved PPE, an ry and secondary agents, and agent application is applied according to procedures, the fire is
8.3.3			X
(A) Requ	uisite Knowledge.		

The fire behavior of aircraft fuels in solid, pressurized, and atomized states; physical properties and characteristics of aircraft fuel; advantages and limitations of agents; agent application rates and densities; agent application procedures; and methods of controlling fuel sources.					
8.3.3 (A)	X				
, , 1	nisite Skills. fire streams and apply ag	cents, and secure fuel co	urcas		
Operate	ine streams and appry ag	ents, and secure ruer so	uices.		
8.3.4 (B)			X		
8.3.4*	1				
an assign accessing or other i	nment, a firefighting vehing the aircraft, so that team means are used, access is proached, attack techniques.	cle hand line, an exting in integrity is maintained gained into the fire are ues facilitate suppression	as a member of a team, given a team, approved PPE, uishing agent, and a ladder or other means of I, the attack line is deployed for advancement, ladders a, effective agent application practices are used, the n given the level of the fire, hidden fires are located fire is brought under control.		
8.3.4			${f X}$		
(A) Requ	isite Knowledge.				
from a fi that a fire protection in which	Techniques for accessing the aircraft interior according to the aircraft type, methods for advancing hand lines from a firefighting vehicle, precautions to be followed when advancing hose lines to a fire, observable results that a fire stream has been applied, dangerous structural conditions created by fire, principles of exposure protection, potential long-term consequences of exposure to products of combustion, physical states of matter in which fuels are found, common types of accidents or injuries and their causes, the role of the backup team in fire attack situations, attack and control techniques, and techniques for exposing hidden fires.				
8.3.4 (A)	X				
(B) Requ	iisite Skills.				
Deploy firefighting vehicle hand line on an interior aircraft fire; 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; and locate and suppress interior fires.					
8.3.4 (B)			X		
8.3.5*					
as a men agent, an	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 approved PPE, an assignment, firefighting 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.				

<u>8.3.5</u>				X
(A) Requ	isite Knowledge.			
systems a	and potential hazards, sat	fety procedures, method	PUs, operation of on-board ls for advancing hand line to own engine and APU/EPU	from a firefighting vehicle,
8.3.5 (A)	X			
(B) Requ	isite Skills.			
	nd operate firefighting v down engine and APU.	ehicle hand line, operat	e turrets, gain access to air	craft engine and APU/EPU,
8.3.5 (B)				X
	Knowledge-Bas	ed Assessments	Performance-Ba	ased Assessments
	(graded after	submission)	(graded in real-time	as they are performed)
	Cognitive	Product	Psychomotor	Process
Section	(e.g. Multiple Choice, Short Answer, Discretionary Time with Resources)	(e.g., document or develop a budget, proposal, lesson plan)	(Primarily an observable physical task. e.g., don, doff)	(Primarily a mental or verbalized task. e.g., inspect)
8.3.6	,		'	
	wheel assembly fire, as a , and correct agent, so th		ren PPE, a team, an assignr ed.	ment, an ARFF vehicle
<u>8.3.6</u>				X
(A) Requ	isite Knowledge.			
Agent sel metals.	ection and application p	rocedure, special safety	considerations, and the ch	aracteristics of combustible
8.3.6 (A)	X			
(B) Requ	isite Skills.			
Approach	the fire in accordance v	with safety procedures, a	and select and apply agent.	
8.3.7 (B)				X
8.3.7*				

an assign		ical ventilation devices	while operating as a member of a team, given PPE, so that openings are created, all ventilation barriers ion are released.
8.3.7			${f X}$
(A) Requ	nisite Knowledge.		
of heat tr			, and effects of mechanical ventilation; the methods an aircraft on fire; and the techniques and safety
8.3.7 (A)	X		
(B) Requ	isite Skills.		
Operate of	doors, hatches, and forci	ble entry tools; operate	mechanical ventilation devices; and remove barriers.
8.3.7 (B)			X
8.3.8*			
vehicle, a available	a fixed or mobile water s	ource, a supply of agen	aber of a team, given an assignment, a firefighting t, and supply lines and fittings, so that agents are the time established by the authority having
8.3.8			X
(A) Requ	nisite Knowledge.		
Resupply	procedures during an ir	cident and operation pr	ocedures for firefighting vehicle replenishment.
8.3.8 (A)	X		
(B) Requ	isite Skills.		
Connect	hose lines and operate va	alves.	
8.3.8 (B)			X
8.3.9			
	the aircraft accident scending		and procedures, so that evidence is identified,
8.3.9		X	X

(A) Requ	iisite Knowledge.		
-	mergency plan requirem n, and evidence reporting	-	the scene, evidence identification, evidence
8.3.9 (A)	X		
(B) Requ	isite Skills.		
Preserve	the scene for investigato	rs, and identify, protect	, and report evidence.
8.3.9 (B)		X	X
8.3.10*			
	. 0		nand lines, and property conservation equipment, so ll property is protected from further damage.
8.3.10			X
(A) Requ	nisite Knowledge.		
procedur	1 0	ion equipment, overhau	e-ignition, reasons for conservation, operating all procedures, signs of a hidden fire, methods of overhaul.
8.3.10 (A)	X		
(B) Requ	isite Skills.		
Use prop	erty conservation equipm	nent, detect hidden fires	, and use tools and equipment to expose hidden fires.
8.3.10 (B)			${f X}$
8.4.1*			
down the	aircraft, and assist in the	e evacuation process wh	try points and emergency hatches, secure and shut tile operating as a member of a team, given approved rescue can be accomplished.
8.4.1			X
(A) Requ	isite Knowledge.		
devices, military	hazardous areas in and a	ound aircraft, aircraft e ciated hazards; capabili	truction, aircraft terminology, automatic explosive gress/ingress (hatches, doors, and evacuation chutes), ties and limitations of manual and power rescue tools d safety procedures.

8.4.1 (A)	X		
(B) Requ	isite Skills.		
	power saws and cutting t ed ladders and high-reac	_	pneumatic devices, and pulling devices; operate ft safety and shutdown.
8.4.1 (B)			X
8.4.2*			
team, an		· •	raft as a member of a team, given approved PPE, a is freed from entrapment without undue further injury
<u>8.4.2</u>			X
(A) Requ	isite Knowledge.		
Capabilit	ies and limitations of res	scue tools, search proceed	dures, hazard identification, and control methods.
8.4.2 (A)	X		
(B) Requ	isite Skills.		
Perform	search procedures, contro	ol hazards, remove victi	ms, and operate rescue tools.
8.4.2 (B)			X
8.4.3			
			lent, given PPE, an assignment, and the triage correctly categorized according to protocol.
8.4.3			X
(A) Requ	isite Knowledge.		
Categorie	es of triage according to	the triage protocol of th	e AHJ, and methods of assessment.
8.4.3 (A)	X		
(B) Requ	isite Skills.		
Triage pa	atients per protocol.		

8.4.3 (B)		X