



AIRPORT FIREFIGHTER

PRACTICAL SKILLS

CERTIFICATION EVALUATION PACKET

(NFPA Standard 1003, 2010 Edition)

**Department of Public Safety
Alaska Fire Standards Council
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Skill Sheet Packet Instruction

Purpose of the Skill Sheets

All skills listed in this packet are consistent with the 2010 Edition of the [NFPA 1003](#) Standard for Airport Firefighter Professional Qualifications. The Alaska Fire Standards Council (AFSC) provides these skill sheets as the basis for Airport Firefighter testing and certification. For certification purposes, the final skill examination will consist of a series of mandatory skill stations and a selection of random skills from this packet.

Description & Use

1. These skills sheets are designed for use by the Training Officer and Airport Rescue Firefighter candidate. Use of this packet throughout a training program will assist in verifying candidate competency and completion of the [Airport Firefighter Training Record](#).
2. For eligibility to complete the final certification examination, a candidate must demonstrate competency in all skills during training and satisfactorily compete all items on the training record document.
3. This packet is designed to encompass the requisite skills for Airport Firefighter and many of these skill sheets are used for final testing and certification. Accreditation Managers/Training Officers and Airport Firefighter course instructors should utilize this evaluation packet during a course to prepare candidates for the certification exam. For a candidate's final skills evaluation, she or he must successfully perform each skill while being evaluated on performance competency by an AFSC examination representative.
4. The final skills examination will consist of skills selected from this packet. Skills are selected from the mandatory and random skills categories. This packet contains a list of all mandatory and randomly selected skills that are used for the final examination. Random skill stations will be selected using a test management system within the AFSC office. The random skill stations are selected just prior to the test date.
5. The Certifying Officer will notify candidates which skills they will be required to complete at the start of the practical skills portion on the date of the examination.
6. The completion of the Airport Firefighter Training Record establishes a candidate's eligibility to test. This document must be fully completed and signed by the Accreditation Manager/Training Officer or designee for each candidate before a candidate can begin the final skills examination. The Airport Firefighter Training Record and the practical skills evaluation sheets shall become a permanent part of the candidate's local training record, and this information shall be kept on file in accordance with local fire department procedures.

Grading Criteria

1. It is expected that all of the listed skill sheet elements will be taught and evaluated by the Airport Firefighter instructor throughout a course. During the final skills exam the candidate must be prepared to perform all the skills listed in this packet. There are no specific critical points designated within the practical skill sheets, and the Certifying Officer (CO) will require the candidate to repeat an individual practical skill station if *all* of the listed skill items on a selected sheet are not completed by the candidate.
2. This packet contains skill requirements that involve the demonstration of airport firefighting skills within "simulated" fire scenarios related to fire ground activities. When applicable, skill sheets specifically describe when simulated fire conditions are permitted for certification testing.
3. During the final there are critical performance items that must be followed for satisfactory performance. Examples of unsatisfactory performance can include:
 - a. Exceeding limitations: time, safety, and equipment limitations
 - b. Inadequate/insufficient personal protective equipment
 - c. Lack of skill accuracy and task completion as defined on the skill evaluation sheet
 - d. Poor judgment in skill performance (i.e.- wrong application of tool or equipment or safety violation)
 - e. Failure to appropriately apply basic fire fighting knowledge

- f. Not competent in the specified task or skill steps
- g. Outcome of the specified task is in doubt (i.e.- incorrectly performed or did not accomplish skill evaluation criteria)
- h. Need for Evaluator intervention (i.e.- imminent health or safety risk to candidate or others)
- i. Failure to adhere to basic safety principles or guidelines

Artificialities of Training and Testing

Training and testing at this level can only approximate on the job activities of an Airport Firefighter. There are certain artificialities to training and testing that the candidate must adapt to. Candidates must be aware that actual fire ground situations cannot be completely duplicated during final examination scenarios. For the best possible outcome during final skills examination, Airport Firefighter instructors must prepare the candidates to competently perform the skills listed in this packet throughout a training course.

Final Skills Evaluation

The AFSC designated Certifying Officer (CO) conducts the final evaluation and utilizes the practical skills evaluation sheets during the final examination process. Throughout the final examination, the CO has the overall test site authority and is required to perform his or her duties as outlined in the [Certification Policy Manual](#).

For preparation of the final examination the designated CO must coordinate with the Test Site Coordinator to ensure an adequate test site location is available. The Test Site Coordinator is responsible for preparation of all test site equipment/materials and arranging designated evaluators for the date of the practical examination. The CO must verify that all required elements are adequate for testing and will approve all designated Evaluators. Designated Evaluators shall receive training appropriate for the test site and are required to complete an [Evaluator Code of Ethics Compliance](#) agreement before testing begins.

The CO shall verify completion of the final examination packet, and the packet will be attached to the Airport Firefighter Training Record as part of the candidate's permanent local training record.

Prerequisite Certification Requirements

For eligibility to certify at the Airport Firefighter level, candidates must have the following:

- *AFSC Firefighter II certification
- AFSC Hazardous Materials Operations

** The AFSC records must contain documentation that the FFII and HMO requirements were met.*

Additional Notes:

1. During the final practical examination it is expected that an appropriate uniform, or full personal protective equipment (PPE), shall be worn unless otherwise indicated within the skill evaluation sheet.
2. During some scenarios a candidate may be instructed to perform other Airport Firefighter tasks not directly related to the specific skill sheet evaluation being tested. It is expected that the candidate shall perform all related skills correctly.
3. Some skills may include a time limit. An Evaluator may use a digital or analog watch/stopwatch for final skills evaluation. Prior to the start of the practical examination, the CO must inspect and approve all timing devices used during final skills evaluations.
4. Some skills require that equipment or documentation be used within the final skills examination. Unless otherwise indicated, it is permissible for the candidate to prepare or assemble the required equipment or paperwork at any time, provided that this does not interfere with the core skill, task, or evolution.
5. Candidates must be prepared to complete skills under a variety of conditions. Training and skills practice is often done during optimum conditions, but candidates must be prepared to adapt to changing conditions that

can occur in actual fire ground situations. The Evaluator ultimately determines if the candidate has met the criteria specified on the skill(s) being evaluated.

6. For final examination, the performance of a skill, task, or evolution is not required to be done in the exact order of the steps (as outlined on the skill sheet), unless it is critical to a particular task. For example, a person must don turnout gear before donning an SCBA.
7. Some scenarios may involve skills that must be performed as a team. During final skills examinations Evaluators and candidates must be cognizant that each team member is evaluated separately to ensure individual criteria is met. An individual candidate may be required to repeat a task if they do not satisfy the skill sheet requirements if working as a member of a team.
8. Some skills may require that a candidate verbalizes information about a particular task or procedure. In such cases, any question(s) from the Evaluator to the candidate must be limited to those that satisfy the criteria listed on the skill sheet, and a question cannot exceed the scope the Airport Firefighter requirements.

Airport Rescue Firefighter Final Written and Practical Examinations

Following is a brief outline of the reference materials and documents that are used for an Airport Rescue Firefighter final examination:

Airport Firefighter Written Material References

- a. NFPA 1003 Standard for Professional Firefighter Qualifications, 2010 Edition
- b. Text/Curriculum
 - IFSTA, *Aircraft Rescue and Firefighting*, 5th Edition; and
 - Federal Aviation Regulations, Part 139

Airport Firefighter Practical Skills Evaluation References

- a. NFPA 1003 Standard for Professional Firefighter Qualifications, 2010 Edition
- b. Airport Rescue Firefighter Practical Skills Evaluation Sheets (*this packet*)

Final Examination Steps

- a. *[Airport Firefighter Training Record](#) review (*this must be completed and signed off by the Accreditation Manager/Training Officer or designee prior to the date of the final examination and reviewed by the CO to ensure all elements are complete.*)
- b. Certifying Officer reviews and signs candidate Application for Certification
- c. Candidate completes the written examination administered by the CO
- d. Candidate completes the practical examination administered by the CO.
- e. Certifying Officer reviews completed Evaluator skill sheets and transfers information to the [Practical Examination Reporting Form](#) (PERF)
- f. Written exam, PERF, and signed application are forwarded to AFSC.
- g. AFSC Airport Rescue Firefighter certificate is issued upon successful completion of the written and practical exam (*within approximately 30 days of test date*)

**Note: The candidate's completed Training Record and signed Final Examination skill sheets shall be kept on file in accordance with local fire department procedures.*

ALASKA AIRPORT FIREFIGHTER PRACTICAL SKILLS EVALUATION PACKET

NFPA 1003- 2010 Ed.

PRACTICAL SKILL REQUIREMENTS

AFF- 1

Candidate:	Date:
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STANDARD: NFPA 1003: 5.1.1.4-A	SKILL AREA: Personal Protective Equipment
TASK: Don personal protective clothing (PPE) within one (1) minute, doff personal protective clothing 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.	
EQUIPMENT: Personal protective equipment (PPE).	
CONDITIONS: : Given personal protective (PPE) clothing (boots, pants, coat, hood, gloves and helmet and/or protective hood), the candidate shall demonstrate the ability to:	

No.	TASK STEPS	TEST		RETEST 1		RETEST 2	
		P	F	P	F	P	F
	DONNING:						
1.	Don pants and boots (<i>cuffs over boots, suspenders in place, waist fastened</i>)	<input type="checkbox"/>					
2.	Don hood (<i>covering hair, ears, and neck</i>)	<input type="checkbox"/>					
3.	Don coat (<i>storm flap closed, collar up and secured, cuffs in place</i>)	<input type="checkbox"/>					
4.	Don helmet (<i>chin strap connected, adequately tightened, ear shroud down</i>)	<input type="checkbox"/>					
5.	Don gloves (<i>covering wrist completely</i>)	<input type="checkbox"/>					
6.	Complete above correctly within one (1) minute	<input type="checkbox"/>					
7.	Correctly accomplished all of the above in one (1) minute.	<input type="checkbox"/>					
	DOFFING:						
8.	Place all equipment in a ready state for reuse.	<input type="checkbox"/>					

Evaluator:		Retest Evaluator 1:	
		Retest Evaluator 2:	

Comments:	
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_____	_____
Certifying Officer Name	Date

Certifying Officer Signature	

<u>Overall Skill Sheet Result:</u>
Pass (P): <input type="checkbox"/> Fail (F): <input type="checkbox"/>

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PRACTICAL SKILL REQUIREMENTS

AFF- 2

Candidate:	Date:
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STANDARD: NFPA 1003: 5.1.1.4-B	SKILL AREA: Operate Aircraft Openings
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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.

EQUIPMENT: ARFF vehicle, PPE, SCBA, and various aircraft.

CONDITIONS: Given a scenario with the candidate positioned in the interior *and* exterior of the aircraft, the candidate shall demonstrate the ability to:

No.	TASK STEPS	TEST		RETEST 1		RETEST 2	
		P	F	P	F	P	F
NORMAL ENTRY DOORS							
1.	Open a normal access door on a commercial jet aircraft	<input type="checkbox"/>					
2.	Open a normal access door on a commuter airliner	<input type="checkbox"/>					
3.	Open a normal access door on a general aviation aircraft	<input type="checkbox"/>					
EMERGENCY EXITS							
4.	Open an over-wing emergency exit on a commercial jet aircraft (if applicable)	<input type="checkbox"/>					
EMERGENCY ESCAPE SLIDE							
5.	Explain the operation of the various emergency escape slides	<input type="checkbox"/>					

Evaluator:		Retest Evaluator 1:	
		Retest Evaluator 2:	

Comments:

_____ <i>Certifying Officer Name</i>	_____ <i>Date</i>	<p align="center">Overall Skill Sheet Result:</p> <p align="center">Pass (P): <input type="checkbox"/> Fail (F): <input type="checkbox"/></p>
_____ <i>Certifying Officer Signature</i>		

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PRACTICAL SKILL REQUIREMENTS

AFF- 4

Candidate:	Date:
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STANDARD: NFPA 1003: 5.1.1.4-D	SKILL AREA: Shut Down Aircraft Engine Systems
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TASK: Perform shutdown of aircraft engine and fuel systems.

PERFORMANCE OUTCOME: 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.

EQUIPMENT: ARFF vehicle, PPE, and an aircraft. or prop

CONDITIONS: Given an aircraft/prop, the candidate shall demonstrate the ability to:

No.	TASK STEPS	TEST		RETEST 1		RETEST 2	
		P	F	P	F	P	F
	Certifying Officer will identify aircraft/prop used _____						
	ENGINE AND FUELS SYSTEMS SHUTDOWN						
1.	Locate and explain the operation of the emergency engine shutdown system in the cockpit	<input type="checkbox"/>					
2.	Locate and explain the operation of the fuel system shutdown for emergencies	<input type="checkbox"/>					

Evaluator:		Retest Evaluator 1:	
		Retest Evaluator 2:	

Comments:

_____ *Certifying Officer Name* _____ *Date*

_____ *Certifying Officer Signature*

Overall Skill Sheet Result:
Pass (P): <input type="checkbox"/> Fail (F): <input type="checkbox"/>

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PRACTICAL SKILL REQUIREMENTS

AFF- 5

Candidate:	Date:
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STANDARD: NFPA 1003: 5.1.1.4-E	SKILL AREA: Shutdown Aircraft Electrical Systems
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TASK: Perform shutdown of aircraft electrical systems.

PERFORMANCE OUTCOME: 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.

EQUIPMENT: ARFF vehicle, PPE, and an aircraft. or prop

CONDITIONS: Given an aircraft/prop, the candidate shall demonstrate the ability to:

No.	TASK STEPS	TEST		RETEST 1		RETEST 2	
		P	F	P	F	P	F
	Certifying Officer will identify aircraft/prop used _____						
	ELECTRICAL SYSTEMS SHUTDOWN						
1.	Locate and explain the operation of the battery master switches and the generator switches	<input type="checkbox"/>					
2.	Locate and explain the operation of the APU shutdown in the cockpit (if applicable)	<input type="checkbox"/>					
3.	Locate and explain the operation of the APU shutdown on the exterior panel (if applicable)	<input type="checkbox"/>					
4.	Explain the procedure for disconnecting the aircraft from ground power connections	<input type="checkbox"/>					
5.	Locate the batteries and explain the procedure for manually disconnecting them	<input type="checkbox"/>					

Evaluator:		Retest Evaluator 1:	
		Retest Evaluator 2:	
Comments:			

_____	_____
Certifying Officer Name	Date

Certifying Officer Signature	

<u>Overall Skill Sheet Result:</u>
Pass (P): <input type="checkbox"/> Fail (F): <input type="checkbox"/>

ALASKA AIRPORT FIREFIGHTER PRACTICAL SKILLS EVALUATION PACKET

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PRACTICAL SKILL REQUIREMENTS

AFF- 6

Candidate:	Date:
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STANDARD: NFPA 1003: 5.1.1.4-F	SKILL AREA: Shut Down Aircraft Hydraulic Systems
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TASK: Perform shutdown of aircraft hydraulic systems.

PERFORMANCE OUTCOME: 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.

EQUIPMENT: ARFF vehicle, PPE, and an aircraft or prop

CONDITIONS: Given an aircraft/prop, the candidate shall demonstrate the ability to:

No.	TASK STEPS	TEST		RETEST 1		RETEST 2	
		P	F	P	F	P	F
	Certifying Officer will identify aircraft/prop used _____						
	HYDRAULIC SYSTEMS SHUT DOWN						
1.	Locate and explain the operation of the hydraulic system shut down in the cockpit	<input type="checkbox"/>					
2.	Locate and explain the operation of the hydraulic system shut down from outside the aircraft. (if applicable)	<input type="checkbox"/>					
3.	Explain the hazards associated with the hydraulic system	<input type="checkbox"/>					

Evaluator:		Retest Evaluator 1:	
		Retest Evaluator 2:	

Comments:

_____ *Certifying Officer Name* _____ *Date*

_____ *Certifying Officer Signature*

Overall Skill Sheet Result:
Pass (P): <input type="checkbox"/> Fail (F): <input type="checkbox"/>

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PRACTICAL SKILL REQUIREMENTS

AFF- 7

Candidate:	Date:
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STANDARD: NFPA 1003: 5.1.1.4-G	SKILL AREA: Operate Aircraft Extinguishing Systems
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TASK: Operate aircraft extinguishing systems

PERFORMANCE OUTCOME: 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.

EQUIPMENT: ARFF vehicle, PPE, and an aircraft. or prop.

CONDITIONS: Given an aircraft/prop, the candidate shall demonstrate the ability to:

No.	TASK STEPS	TEST		RETEST 1		RETEST 2	
		P	F	P	F	P	F
	Certifying Officer will identify aircraft/prop used _____						
	FIRE SUPPRESSION SYSTEMS						
1.	Locate and explain the operation of emergency engine shutdown and fire suppression system located in the cockpit. (if applicable)	<input type="checkbox"/>					
2.	Locate and explain the operation of the emergency APU shutdown and fire suppression system located in the cockpit (if applicable)	<input type="checkbox"/>					
3.	Locate and explain the operation of the emergency APU shutdown and fire suppression system located on the outside of the aircraft. (if applicable)	<input type="checkbox"/>					
4.	Locate and explain the operation of the cargo area fire suppression system. (if applicable)	<input type="checkbox"/>					

Evaluator:		Retest Evaluator 1:	
		Retest Evaluator 2:	

Comments:

Certifying Officer Name

Certifying Officer Signature

Date

<u>Overall Skill Sheet Result:</u>
Pass (P): <input type="checkbox"/> Fail (F): <input type="checkbox"/>

ALASKA AIRPORT FIREFIGHTER PRACTICAL SKILLS EVALUATION PACKET

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PRACTICAL SKILL REQUIREMENTS

AFF- 11

Candidate:	Date:
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STANDARD: NFPA 1003: 5.2.4	GENERAL SKILL: Perform An Airport Operation
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TASK: Perform an airport operation, so that unsafe conditions are detected and reduced in accordance with the airport's policies and procedures.

PERFORMANCE OUTCOME: The candidate shall demonstrate the ability to standby in a safe area so that he/she may detect any unsafe conditions and initiate corrective action.

EQUIPMENT: ARFF vehicle, PPE, and radio.

CONDITIONS: Given an assignment with hazardous conditions, the candidate shall demonstrate the ability to:

No.	TASK STEPS	TEST		RETEST 1		RETEST 2	
		P	F	P	F	P	F
1.	Perform proper standby position for the runway in use	<input type="checkbox"/>					
2.	Appropriately park the vehicle far enough back to observe the situation, but leave a forward escape path	<input type="checkbox"/>					
3.	Air Traffic Control (ATC) clearance is received and repeated to ATC prior to entering a controlled area	<input type="checkbox"/>					

Evaluator:		Retest Evaluator 1:	
		Retest Evaluator 2:	

Comments:

_____ *Certifying Officer Name*

_____ *Date*

_____ *Certifying Officer Signature*

<u>Overall Skill Sheet Result:</u>
Pass (P): <input type="checkbox"/> Fail (F): <input type="checkbox"/>

ALASKA AIRPORT FIREFIGHTER PRACTICAL SKILLS EVALUATION PACKET

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PRACTICAL SKILL REQUIREMENTS

AFF- 13

Candidate:	Date:
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STANDARD: NFPA 1003: 5.3.2	GENERAL SKILL: Extinguish Aircraft Fuel Fire
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TASK: Extinguish an aircraft fuel spill fire using a hand line, so that the agent is applied using the proper technique and the fire is extinguished in 90 seconds.

PERFORMANCE OUTCOME: The candidate shall demonstrate the ability to operate fire streams and apply agent to extinguish an aircraft fuel fire in 90 seconds, using proper application technique.

EQUIPMENT: ARFF vehicle, PPE, SCBA, AFFF agent, radio, hand lines and nozzles, and a spill fire simulator.

CONDITIONS: Given 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, the candidate shall demonstrate the ability to:

No.	TASK STEPS	TEST		RETEST 1		RETEST 2	
		P	F	P	F	P	F
1.	Wear correct PPE/SCBA that is appropriate for the scenario	<input type="checkbox"/>					
2.	Purge air from hose line prior to advancing	<input type="checkbox"/>					
3.	Properly apply agent, starting at the nearest edge of the fire	<input type="checkbox"/>					
4.	Approach the fire from an upwind direction	<input type="checkbox"/>					
4.	Extinguish fire within 90 seconds	<input type="checkbox"/>					
5.	Maintain firefighter team safety throughout scenario	<input type="checkbox"/>					

Evaluator:		Retest Evaluator 1:	
		Retest Evaluator 2:	

Comments:	

_____		_____
<i>Certifying Officer Name</i>		<i>Date</i>

<i>Certifying Officer Signature</i>		

<u>Overall Skill Sheet Result:</u>
Pass (P): <input type="checkbox"/> Fail (F): <input type="checkbox"/>

ALASKA AIRPORT FIREFIGHTER PRACTICAL SKILLS EVALUATION PACKET

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PRACTICAL SKILL REQUIREMENTS

AFF- 16

Candidate:	Date:
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STANDARD: NFPA 1003: 5.3.5	GENERAL SKILL: Aircraft Interior Fire Attack
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TASK: Attack a fire on the interior of an aircraft while operating as a member of a team, 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: The candidate shall demonstrate the ability to operate as a member of a team and deploy ARFF 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

EQUIPMENT: ARFF vehicle, PPE, SCBA, dual extinguishing agent, radio, rescue tools, ladders, hand lines and nozzles, and aircraft fire simulator.

CONDITIONS: Given a team, an assignment, and an ARFF vehicle hand line, the candidate shall demonstrate the ability to:

No.	TASK STEPS	TEST		RETEST 1		RETEST 2	
		P	F	P	F	P	F
1.	Wear correct PPE/SCBA that is appropriate for the scenario	<input type="checkbox"/>					
2.	Properly deploy attack line	<input type="checkbox"/>					
3.	Identify proper entrance/access to fire area	<input type="checkbox"/>					
4.	Place ladders correctly (if used)	<input type="checkbox"/>					
5.	Use appropriate technique to enter fire area (i.e. sound floor)	<input type="checkbox"/>					
6.	Knock down seat of fire and locate and control hidden fires	<input type="checkbox"/>					
7.	Use body position appropriate for conditions (crawl or crouch)	<input type="checkbox"/>					
8.	Identify and manage hazards throughout the scenario (verbalize)	<input type="checkbox"/>					
9.	Locate and suppress all interior fires	<input type="checkbox"/>					
10.	Use various attack techniques (mark those observed)	<input type="checkbox"/>					
	<input type="checkbox"/> DIRECT <input type="checkbox"/> INDIRECT <input type="checkbox"/> COMBINATION						
11.	Maintain firefighter team safety throughout scenario	<input type="checkbox"/>					

Evaluator:		Retest Evaluator 1:	
		Retest Evaluator 2:	

Comments:

_____ <i>Certifying Officer Name</i>	_____ <i>Date</i>	Overall Skill Sheet Result: Pass (P): <input type="checkbox"/> Fail (F): <input type="checkbox"/>
_____ <i>Certifying Officer Signature</i>		

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PRACTICAL SKILL REQUIREMENTS

AFF- 17

Candidate:	Date:
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STANDARD: NFPA 1003: 5.3.6	GENERAL SKILL: Power Unit Fire
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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, so that agent application procedures are followed, the fire is extinguished, and the engine or APU/EPU is shut down.

PERFORMANCE OUTCOME: The candidate shall demonstrate the ability to operate as a member of a team and deploy and operate ARFF hand line, operate turrets, gain access to aircraft engine and APU/EPU, and shut down engine and APU.

EQUIPMENT: ARFF vehicle, PPE, SCBA, dual extinguishing agent, radio, rescue tools, ladders, hand lines and nozzles, and an aircraft engine/ APU fire simulator.

CONDITIONS: Given a team, an assignment, and an ARFF vehicle hand line or turret with the appropriate agent, the candidate shall demonstrate the ability to:

No.	TASK STEPS	TEST		RETEST 1		RETEST 2	
		P	F	P	F	P	F
Certifying Officer will select one (please check one)							
	<input type="checkbox"/> HAND-LINE <input type="checkbox"/> TURRET						
1.	Wear correct PPE/SCBA that is appropriate for the scenario	<input type="checkbox"/>					
2.	Properly deploy attack line or activate the turret	<input type="checkbox"/>					
3.	Activate the pump and extinguishing system before approaching fire	<input type="checkbox"/>					
4.	Identify and gain proper entrance/access to fire area	<input type="checkbox"/>					
5.	Properly apply dual agent using correct techniques for extinguishment of engine or APU/EPU fire	<input type="checkbox"/>					
6.	Secure fuel source and use appropriate technique for shutting down engine/APU	<input type="checkbox"/>					
7.	Extinguish fire using proper techniques	<input type="checkbox"/>					
8.	Maintain firefighter team safety throughout scenario	<input type="checkbox"/>					

Evaluator:		Retest Evaluator 1:	
		Retest Evaluator 2:	
Comments:			

_____ <i>Certifying Officer Name</i>	_____ <i>Date</i>	<p align="center">Overall Skill Sheet Result:</p> <p align="center"> Pass (P): <input type="checkbox"/> Fail (F): <input type="checkbox"/> </p>
_____ <i>Certifying Officer Signature</i>		

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PRACTICAL SKILL REQUIREMENTS

AFF- 19

Candidate:	Date:
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STANDARD: NFPA 1003: 5.3.8	GENERAL SKILL: Ventilate Aircraft
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TASK: Ventilate an aircraft through available doors and hatches while operating as a member of a team, so that openings are created, all ventilation barriers are removed, and the heat and other products of combustion are released.

PERFORMANCE OUTCOME: The candidate shall demonstrate the ability to operate doors, hatches, and forcible entry tools; operate mechanical ventilation devices; and remove barriers.

EQUIPMENT: ARFF vehicle, PPE, SCBA, ventilation tools, positive pressure fan, negative pressure fan, smoke generator, radio, hand line and nozzles, and an aircraft or fuselage prop.

CONDITIONS: Given a team, an assignment, tools, and mechanical ventilation devices, the candidate shall demonstrate the ability to:

No.	TASK STEPS	TEST		RETEST 1		RETEST 2	
		P	F	P	F	P	F
1.	Wear correct PPE/SCBA that is appropriate for the scenario	<input type="checkbox"/>					
2.	Determine wind direction and proper location for ventilation	<input type="checkbox"/>					
3.	Open the appropriate openings for proper ventilation	<input type="checkbox"/>					
4.	Correctly sets up ventilation device(s)	<input type="checkbox"/>					
5.	Provide or acknowledge the need for air monitoring (verbalize)	<input type="checkbox"/>					
PERFORM FORCED VENTILATION (<i>Certifying Officer to select one of the following</i>)							
	<input type="checkbox"/> Positive Pressure:						
6.	Properly place fan so cone of air covers entry point	<input type="checkbox"/>					
7.	Establish exit point no larger than entry, or in accordance with fan manufacturer's direction	<input type="checkbox"/>					
	<input type="checkbox"/> Hydraulic:						
8.	Properly position in opening for maximum air movement	<input type="checkbox"/>					
9.	Use the proper water pattern for effective ventilation	<input type="checkbox"/>					
	<input type="checkbox"/> Negative Pressure:						
10.	Properly place fan in exhaust opening to pull smoke out	<input type="checkbox"/>					
11.	Remove objects that might be drawn into fan	<input type="checkbox"/>					
12.	Maintain appropriate safety precautions throughout scenario	<input type="checkbox"/>					

Evaluator:		Retest Evaluator 1:	
		Retest Evaluator 2:	

Comments:

<i>Certifying Officer Name</i>	<i>Date</i>	Overall Skill Sheet Result: Pass (P): <input type="checkbox"/> Fail (F): <input type="checkbox"/>
<i>Certifying Officer Signature</i>		

ALASKA AIRPORT FIREFIGHTER PRACTICAL SKILLS EVALUATION PACKET

NFPA 1003- 2010 Ed.

PRACTICAL SKILL REQUIREMENTS

AFF- 21

Candidate:	Date:
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STANDARD: NFPA 1003: 5.3.10	GENERAL SKILL: Preserve Accident Scene
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TASK: Preserve the aircraft accident scene, so that evidence is identified, protected, and reported according to procedures.

PERFORMANCE OUTCOME: The candidate shall demonstrate the ability to preserve the scene for investigators, and identify, protect, and report evidence.

EQUIPMENT: PPE, SCBA/APR, radio, salvage covers/tarps, scene tape, and documentation tools.

CONDITIONS: Given an assignment and an aircraft or fuselage prop, the candidate shall demonstrate the ability to:

No.	TASK STEPS	TEST		RETEST 1		RETEST 2	
		P	F	P	F	P	F
1.	Wear correct PPE/SCBA that is appropriate for the scenario	<input type="checkbox"/>					
2.	Ensure the perimeter of the incident scene is secure	<input type="checkbox"/>					
3.	Identify all potential evidence in and around the scene	<input type="checkbox"/>					
4.	Mark the evidence so that it can be readily re-located	<input type="checkbox"/>					
5.	Protect evidence to prevent damage from water, weather, etc.	<input type="checkbox"/>					
6.	Note any evidence that was disturbed during the firefighting operation	<input type="checkbox"/>					
7.	Maintain chain of custody/documentation, as required	<input type="checkbox"/>					
8.	Maintain appropriate safety precautions throughout scenario	<input type="checkbox"/>					

Evaluator:		<i>Retest Evaluator 1:</i>	
		<i>Retest Evaluator 2:</i>	

Comments:

<i>Certifying Officer Name</i>	<i>Date</i>	<p align="center">Overall Skill Sheet Result:</p> <p align="center">Pass (P): <input type="checkbox"/> Fail (F): <input type="checkbox"/></p>
<i>Certifying Officer Signature</i>		

ALASKA AIRPORT FIREFIGHTER PRACTICAL SKILLS EVALUATION PACKET

NFPA 1003- 2010 Ed.

PRACTICAL SKILL REQUIREMENTS

AFF- 23

Candidate:	Date:
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STANDARD: NFPA 1003: 5.4.1-A	GENERAL SKILL: Gain Aircraft Access
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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, so that passenger evacuation and rescue can be accomplished.

PERFORMANCE OUTCOME: The candidate shall demonstrate the ability to gain entry into aircraft through normal entry points and emergency hatches and establish egress for rescue and evacuation.

EQUIPMENT: ARFF vehicle, PPE, SCBA, radio, ladders, hand tools, hand lines, and a nozzle.

CONDITIONS: Given an assignment and an aircraft or fuselage prop, the candidate shall demonstrate the ability to:

No.	TASK STEPS	TEST		RETEST 1		RETEST 2	
		P	F	P	F	P	F
1.	Wear correct PPE/SCBA that is appropriate for the scenario	<input type="checkbox"/>					
2.	Identify type of aircraft	<input type="checkbox"/>					
3.	Depressurize aircraft (<i>if applicable</i>)	<input type="checkbox"/>					
4.	Stabilize aircraft (<i>chock wheels</i>)	<input type="checkbox"/>					
5.	Demonstrate the ability to open standard passenger entry door/hatch from outside and inside	<input type="checkbox"/>					
6.	Demonstrate the ability to open over wing emergency hatch from inside and outside (<i>if applicable</i>)	<input type="checkbox"/>					
7.	Demonstrate the ability to open cockpit emergency window exit from inside and outside (<i>if applicable</i>)	<input type="checkbox"/>					
8.	Explain the operation and disarming of the evacuation slides at each exit (<i>if applicable</i>)	<input type="checkbox"/>					
9.	Determine and verbalized evacuation and rescue egress for passengers	<input type="checkbox"/>					

Evaluator:		Retest Evaluator 1:	
		Retest Evaluator 2:	

Comments:

_____ <i>Certifying Officer Name</i>	_____ <i>Date</i>	<p align="center">Overall Skill Sheet Result:</p> <p align="center">Pass (P): <input type="checkbox"/> Fail (F): <input type="checkbox"/></p>
_____ <i>Certifying Officer Signature</i>		

ALASKA AIRPORT FIREFIGHTER PRACTICAL SKILLS EVALUATION PACKET

NFPA 1003- 2010 Ed.

PRACTICAL SKILL REQUIREMENTS

AFF- 24

Candidate:	Date:
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STANDARD: NFPA 1003: 5.4.1-B	GENERAL SKILL: Operate Power Tools
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TASK: Gain access into and out of an aircraft using various power tools, so that passenger evacuation and rescue can be accomplished.

PERFORMANCE OUTCOME: The candidate shall demonstrate the ability to operate power saws and cutting tools, hydraulic devices, pneumatic devices, and pulling devices.

EQUIPMENT: ARFF vehicle, PPE, SCBA, radio, ladders, power saws, cutting tools, hydraulic devices, pneumatic devices, pulling devices, hand tools, hand lines, and a nozzle.

CONDITIONS: Given an assignment and an aircraft or fuselage prop, the candidate shall demonstrate the ability to:

No.	TASK STEPS	TEST		RETEST 1		RETEST 2	
		P	F	P	F	P	F
		1.	Wear correct PPE that is appropriate for the scenario	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	Identify type of aircraft	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.	Depressurize aircraft (<i>if applicable</i>)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.	Stabilize aircraft (<i>chock wheels</i>)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
USE THE FOLLOWING POWER TOOLS TO ACCESS AIRCRAFT (CERTIFYING OFFICER TO SELECT ONE TYPE FOR FINAL EXAMINATION)							
	<input type="checkbox"/> Power Saw <input type="checkbox"/> Cutting Tool <input type="checkbox"/> Hydraulic Device						
	<input type="checkbox"/> Pneumatic Device <input type="checkbox"/> Pulling Device						
5.	Demonstrate ability to properly connect selected device to power source	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.	Demonstrate the ability to operate equipment in a safe and timely manner in accordance with local policy and procedure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.	Place equipment back in service in accordance with local policy and procedure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Evaluator:		Retest Evaluator 1:	
		Retest Evaluator 2:	

Comments:

_____ *Certifying Officer Name* _____ *Date*

_____ *Certifying Officer Signature*

<u>Overall Skill Sheet Result:</u>
Pass (P): <input type="checkbox"/> Fail (F): <input type="checkbox"/>

Airport Fire Fighter Practical Skills Job Correlation Map (NFPA 1003, 2010 Edition)					
2010 Skill Sheet #	NFPA Section	Tasks	Certification JPR Final Exam Requirement: 7 Mandatory 4 Random	Skill Sheet Changes	2000 (old) Sheet #
5.1 GENERAL REQUIREMENTS					
<u>AFF 1</u>	5.1.1.4-A	Personal Protective Equipment	Mandatory	<i>Minor- Wording and NFPA section reference</i>	3-1.1.2- A
<u>AFF 2</u>	5.1.1.4-B	Operate Aircraft Openings	Mandatory	<i>Minor- Wording and NFPA section reference</i>	3-1.1.2- B
<u>AFF 3</u>	5.1.1.4-C	Initiate Attack	Mandatory	<i>Minor- Wording and NFPA section reference</i>	3-1.1.2- C
<u>AFF 4</u>	5.1.13.4-D	Shut Down Aircraft Engine/Fuel Systems	Random	<i>Minor- Wording and NFPA section reference</i>	3-1.1.2- D
<u>AFF 5</u>	5.1.1.4-E	Shut Down Aircraft Electrical Systems	Random	<i>Minor- Wording and NFPA section reference</i>	3-1.1.2- E
<u>AFF 6</u>	5.1.1.4-F	Shut Down Aircraft Hydraulic Systems	Random	<i>Minor- Wording and NFPA section reference</i>	3-1.1.2- F
<u>AFF 7</u>	5.1.1.4-G	Operate Aircraft Extinguishing Systems	Random	<i>Minor- Wording and NFPA section reference</i>	3-1.1.2- G
5.2 RESPONSE					
<u>AFF 8</u>	5.2.1	Respond To Airport Location	Mandatory	<i>Minor- Wording and NFPA section reference</i>	3-2.1
<u>AFF 9</u>	5.2.2	Communicate Critical Information	Random	<i>Minor- Wording and NFPA section reference</i>	3-2.2
<u>AFF 10</u>	5.2.3	Communicate With Air Traffic Control	Mandatory	<i>Minor- Wording and NFPA section reference</i>	3-2.3
<u>AFF 11</u>	5.2.4	Perform An Airport Operation	Random	<i>Minor- Wording and NFPA section reference</i>	3-2.4
5.3 FIRE SUPPRESSION					
<u>AFF 12</u>	5.3.1	Extinguish Fuel Fire Using Extinguisher	Random	<i>Minor- Wording and NFPA section reference</i>	3-3.1
<u>AFF 13</u>	5.3.2	Extinguish Fuel Fire Using Hand Line	Random	<i>Minor- Wording and NFPA section reference</i>	3-3.2
<u>AFF 14</u>	5.3.3	Extinguish Fuel Fire Using Turret	Random	<i>Minor- Wording and NFPA section reference</i>	3-3.3
<u>AFF 15</u>	5.3.4	Extinguish 3-D Fire With Hand Lines	Random	<i>Minor- Wording and NFPA section reference</i>	3-3.4
<u>AFF 16</u>	5.3.5	Attack Aircraft Interior Fire	Mandatory	<i>Minor- Wording and NFPA section reference</i>	3-3.5
<u>AFF 17</u>	5.3.6	Attack Power Unit Fire	Random	<i>Minor- Wording and NFPA section reference</i>	3-3.6
<u>AFF 18</u>	5.3.7	Attack Wheel Assembly Fire	Random	<i>Minor- Wording and NFPA section reference</i>	3-3.7
<u>AFF 19</u>	5.3.8	Ventilate Aircraft	Random	<i>Minor- Wording and NFPA section reference</i>	3-3.8
<u>AFF 20</u>	5.3.9	Replenish Extinguishing Agents	Random	<i>Minor- Wording and NFPA section reference</i>	3-3.9

ALASKA AIRPORT FIREFIGHTER PRACTICAL SKILLS EVALUATION PACKET

2010 Skill Sheet #	NFPA Section	Tasks	Certification JPR Final Exam Requirement: 7 Mandatory 4 Random	Skill Sheet Changes	2000 (old) Sheet #
AFF 21	5.3.10	Preserve Accident Scene	Random	<i>Minor- Wording and NFPA section reference</i>	3-3.10
AFF 22	5.3.11	Overhaul Accident Scene	Random	<i>Minor- Wording and NFPA section reference</i>	3-3.11
5.4 RESCUE					
AFF 23	5.4.1A	Gain Aircraft Access	Mandatory	<i>Separated skill tasks for clarification. NFPA section reference</i>	3-4.1
AFF 24	5.4.1B	Operate Power Tools	Random	<i>Separated skill tasks for clarification. NFPA section reference</i>	3-4.1
AFF 25	5.4.1C	Operate Specialized Ladders/High-Reach Devices	Random	<i>Separated skill tasks for clarification. NFPA section reference</i>	3-4.1
AFF 26	5.4.2	Disentanglement and Rescue	Random	<i>Minor- Wording and NFPA section reference</i>	3-4.2
AFF 27	5.4.3	Implement Initial Triage	Random	<i>Minor- Wording and NFPA section reference</i>	3-4.3

NFPA 1003 2010 Edition Changes to Skill Sheets

- Reformatted sheet numbering:
 - Sheets follow standard numbering format (i.e. 1,2,3 etc.) instead of NFPA section
- All NFPA section references changed from a prefix of “3” to “5”

Specific Skill Sheet Changes from 2000 to 2010 Editions:

- Section 5.4.1 split into three separate skill sheets (23,24,25) to provide better evaluation detail
- Skill sheet template updates consistent with other programs
 - Added third Pass/Fail Column for consistency with certification program
 - Simplified the “Overall Skill Sheet Score” to one box; eliminated the retest box

ALASKA AIRPORT FIREFIGHTER PRACTICAL SKILLS EVALUATION PACKET

AIRPORT FIREFIGHTER REQUIRED EQUIPMENT LIST		
<input type="checkbox"/>	1	Airport Pump apparatus with dual agent and bumper turret
<input type="checkbox"/>	2	Appropriate supply line (min. 2 ½ hose line)
<input type="checkbox"/>	3	Attack line and/or portable water extinguisher
<input type="checkbox"/>	4	Backboard/KED
<input type="checkbox"/>	5	C-Collar
<input type="checkbox"/>	6	Department communications equipment/portable radio
<input type="checkbox"/>	7	Department computer
<input type="checkbox"/>	8	Dry chemical wheeled extinguisher (100lbs)
<input type="checkbox"/>	9	Dry chemical agent
<input type="checkbox"/>	10	Fire department/local AHJ Standard Operating Procedures/Standard Operating Guidelines
<input type="checkbox"/>	11	Fire service/evidence tape
<input type="checkbox"/>	12	Flashlight
<input type="checkbox"/>	13	Foam compatible nozzle
<input type="checkbox"/>	14	AFFF Foam concentrate (<i>or simulated foam product</i>)
<input type="checkbox"/>	15	Foam fire stream appliances
<input type="checkbox"/>	16	Hose tools
<input type="checkbox"/>	17	Hydrant kit
<input type="checkbox"/>	18	Notebook
<input type="checkbox"/>	19	Nozzles and hose appliances
<input type="checkbox"/>	20	Pencil/pen, and clipboard
<input type="checkbox"/>	21	Personal protective equipment (full firefighter bunker gear)
<input type="checkbox"/>	22	Power tools <input type="checkbox"/> Saws <input type="checkbox"/> Cutting Tool <input type="checkbox"/> Hydraulic Device <input type="checkbox"/> Pneumatic Device <input type="checkbox"/> Pulling Device
<input type="checkbox"/>	23	Salvage covers/tarps
<input type="checkbox"/>	24	Self-Contained Breathing Apparatus (full assembly)
<input type="checkbox"/>	25	Triage equipment
<input type="checkbox"/>	26	Various hand tools (forcible entry, fire attack, overhaul)
<input type="checkbox"/>	27	Ventilation fan- <input type="checkbox"/> Positive Pressure <input type="checkbox"/> Negative Pressure
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		

AIRPORT FIREFIGHTER REQUIRED FACILITY CHECKLIST		
<input type="checkbox"/>	1	Aircraft live fire prop
<input type="checkbox"/>	2	Flammable liquids container burn pan, liquid fuel, and ignitor
<input type="checkbox"/>	3	Live fire checklist
<input type="checkbox"/>	4	Live Fire Policy
<input type="checkbox"/>	5	Pressurized hydrant for water supply/or water supply and hydrant prop
<input type="checkbox"/>	6	Salvage aircraft fuselage(s) or prop
<input type="checkbox"/>	7	Smoke generator
<input type="checkbox"/>	8	Spill fire pit/simulator
<input type="checkbox"/>	9	Water supply
<input type="checkbox"/>	10	Wheel fire prop
<input type="checkbox"/>		
<input type="checkbox"/>		

The AFSC provides this list as a general guideline for equipment and facilities that may be necessary during final certification examinations. Some test sites may require addition items not listed above.