



Office of Training
and Certification

New Jersey Division of Fire Safety

BASIC PRACTICAL SKILLS EXAMINATION REPORT

Skill sheet #

**ARFF
9-1**

Certification title

**AIRPORT FIREFIGHTING & RESCUE 6TH
EDITION**

Applicant Information

Candidate name

DFS ID #

Course #

Evaluation

Standard:
NFPA 1003, 2019 Edition

4.3.3, 4.4.2, 4.3.10

Secure fuel sources. *[NFPA® 1003, 4.3.3, 4.4.2]*

For this skills evaluation checklist, students will secure fuel sources in an aircraft emergency scenario. Always follow manufacturer's recommendations and local standard operating procedures (SOPs) when performing all procedures. Firefighters must properly wear appropriate PPE when performing this skill.

Number	Task Steps	First Test		Retest #1		Retest #2	
		Pass	Fail	Pass	Fail	Pass	Fail
	Shut Down Fuel Pumps						
1	Gain access to fuel pump controls.						
2	Deactivate fuel pump.						
3	De-energize fuel pump controls.						
	Close Fuel Valves						
1	Identify leaking fuel line.						
2	Gain access to fuel valve for that line.						
3	Close fuel valve.						
	Plug Leaking Fuel Line or Hole in Tank						
1	Identify leaking fuel line fuel or hole in tank.						
2	Identify appropriate size/type of plug or appropriate plugging material.						
3	Insert plug/plugging material into fuel line or hole in tank until leak stops.						
Final Test Result for Entire Task							

Evaluator signature & comments, Test #1		Evaluator signature & comments, Retest #1		Evaluator signature & comments, Retest #2	
Evaluator signature	Date	Evaluator signature	Date	Evaluator signature	Date
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BASIC PRACTICAL SKILLS EXAMINATION REPORT

Skill sheet #

**ARFF
9-2**

Certification title

**AIRPORT FIREFIGHTING & RESCUE 6TH
EDITION**

Applicant Information

Candidate name

DFS ID #

Course #

Evaluation

Standard:
NFPA 1003, 2019 Edition
4.3.2, 4.3.9, 4.3.10

Extinguish a fuel spill using an ARFF vehicle turret. *[NFPA® 1003, 4.3.2, 4.3.9, 4.3.10]*

For this skills evaluation checklist, students will extinguish a fuel spill fire using an ARFF vehicle turret.

NOTE: NFPA® 1003 specifies that a fire of at least 2,067 square feet (192 meters squared) should be extinguished in 90 seconds with turret flow of a minimum of 250 gpm (946 L/ min).

Number	Task Steps	First Test		Retest #1		Retest #2	
		Pass	Fail	Pass	Fail	Pass	Fail
1	Deploy the turret as the ARFF apparatus approaches fire.						
2	Activate the agent pump(s) as required.						
3	Aim the agent stream above fire.						
4	Begin discharging agent when the apparatus is within turret range.						
5	Operate the turret at appropriate pressure and flow using prescribed techniques until fire is extinguished. Adjust the turret pattern as necessary for distance and fire/fuel conditions. Interrupt the agent discharge as needed to determine fire/fuel conditions.						
6	Stop discharging when the fire is extinguished.						
Final Test Result for Entire Task							

Evaluator signature & comments, Test #1		Evaluator signature & comments, Retest #1		Evaluator signature & comments, Retest #2	
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BASIC PRACTICAL SKILLS EXAMINATION REPORT

Skill sheet #

**ARFF
9-3**

Certification title

**AIRPORT FIREFIGHTING & RESCUE 6TH
EDITION**

Applicant Information

Candidate name

DFS ID #

Course #

Evaluation

Standard:
NFPA 1003, 2019 Edition

4.3.1, 4.3.9, 4.3.10

Deploy and operate an ARFF vehicle handline to extinguish a fuel spill fire.
[NFPA® 1003, 4.3.1, 4.3.9, 4.3.10]

For this skills evaluation checklist, students will deploy and operate an ARFF vehicle handline to extinguish a fuel spill fire.

NOTE: NFPA® 1003 specifies the handline must flow a minimum of 95 gpm (359 L/min) of AFFF extinguishing agent. A 750 square-foot (69.7 meters squared) fire should be extinguished in 90 seconds. Students must open, close, and adjust nozzle flow and patterns.

Number	Task Steps	First Test		Retest #1		Retest #2	
		Pass	Fail	Pass	Fail	Pass	Fail
1	Access the handline. a. Unlock the hose reel, if necessary. b. Remove security netting/open hoseline compartment.						
2	Pull the handline. a. Fully deploy the handline. b. Properly position the handline to avoid kinking or knotting.						
3	Charge the handline.						
4	Open the nozzle to bleed air from the handline.						
5	Test hose stream pattern.						
6	Close the nozzle.						
7	Advance the handline toward the fire maneuvering around obstacles, as needed.						
8	Approach the fire.						
9	Operate the nozzle at appropriate pressure and flow using prescribed techniques until fire is extinguished.						
10	Back away, maintain situational awareness.						
Final Test Result for Entire Task							

Evaluator signature & comments, Test #1	Evaluator signature & comments, Retest #1	Evaluator signature & comments, Retest #2

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Form DFS-SS-1 10/12

Approved by NJ SME Committee 04/01/2022



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New Jersey Division of Fire Safety

BASIC PRACTICAL SKILLS EXAMINATION REPORT

Skill sheet #

**ARFF
9-4**

Certification title

**AIRPORT FIREFIGHTING & RESCUE 6TH
EDITION**

Applicant Information

Candidate name

DFS ID #

Course #

Evaluation

Standard:
NFPA 1003, 2019 Edition

4.3.3, 4.3.9, 4.3.10

Extinguish a three-dimensional fuel fire with handline(s). *[NFPA® 1003, 4.3.3, 4.3.9, 4.3.10]*

For this skills evaluation checklist, students will extinguish a three-dimensional fuel fire with handline(s). This skill requires two firefighters, working as a team. Before the skill begins, indicate to students what position to take. Students should rotate positions to practice the skill as needed.

Number	Task Steps	First Test		Retest #1		Retest #2	
		Pass	Fail	Pass	Fail	Pass	Fail
1	Deploy and charge the handline(s).						
2	Approach the fire.						
3	Operate the nozzle(s) using primary and secondary agents at appropriate pressure and flow using prescribed techniques until fire is extinguished.						
4	Secure fuel source.						
5	Back away, maintain situational awareness.						
Final Test Result for Entire Task							

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BASIC PRACTICAL SKILLS EXAMINATION REPORT

Skill sheet #

**ARFF
9-5**

Certification title

**AIRPORT FIREFIGHTING & RESCUE 6TH
EDITION**

Applicant Information

Candidate name

DFS ID #

Course #

Evaluation

Standard:
NFPA 1003, 2019 Edition

**4.3.4, 4.3.7, 4.3.9,
4.3.10**

Attack an interior fire. *[NFPA® 1003, 4.3.4, 4.3.7, 4.3.9, 4.3.10]*

For this skills evaluation checklist, students will attack an interior fire. This skill requires two firefighters, working as a team. Students shall maintain the integrity of the team. Before the skill begins, indicate to students what position to take. Students repeat the skill until each student has served in each position.

Number	Task Steps	First Test		Retest #1		Retest #2	
		Pass	Fail	Pass	Fail	Pass	Fail
	Direct Method						
1	Gain access to aircraft interior.						
2	Advance the handline toward fire maneuvering around obstacles, as needed						
3	Ensure proper nozzle pattern for fire/fuel conditions prior to opening the nozzle.						
4	Open the nozzle slowly to avoid nozzle reaction.						
5	Aim the agent stream at the base of the fire.						
6	Sweep the agent stream from side-to-side extending beyond the edge of the fire to each side.						
7	Adjust the nozzle pattern as needed based upon fire/fuel conditions.						
8	Maneuver the handline and nozzle as necessary.						
9	Stop discharging when the fire is extinguished or the fuel surface has been covered with a foam layer.						
10	Shut off the nozzle slowly to reduce water hammer.						
11	Ventilate the fuselage to remove heat and other products of combustion.						
12	Back away from the fire. Always maintain situational awareness of area for signs of reignition.						
	Indirect Method						
1	Gain access to aircraft interior.						
2	Advance the handline toward fire maneuvering around obstacles, as needed.						
3	Ensure proper nozzle pattern for fire/fuel conditions prior to opening the nozzle.						
4	Open the nozzle slowly to avoid water hammer.						

5	Aim the agent stream above the fire or deflect it off of aircraft surfaces.						
6	Sweep the agent stream from side-to-side extending beyond the edge of the fire to each side.						
7	Adjust nozzle pattern as needed based upon fire/fuel conditions.						
8	Maneuver the handline and nozzle as necessary.						
9	Stop discharging when the fire is extinguished or the fuel surface has been covered with a foam layer.						
10	Shut off the nozzle slowly to reduce water hammer.						
11	Ventilate the fuselage to remove heat and other products of combustion.						
12	Back away from the fire. Always maintain situational awareness of area for signs of reignition.						
	Combination Method						
1	Gain access to aircraft interior.						
2	Advance the handline toward fire maneuvering around obstacles, as needed.						
3	Ensure proper nozzle pattern for fire/fuel conditions prior to opening the nozzle.						
4	Open the nozzle slowly to avoid water hammer.						
5	Open the dry chemical nozzle, if so equipped.						
6	Aim the agent stream(s) at the base of the fire.						
7	Sweep the agent stream(s) across the fuel's surface to one side.						
8	Then raise and aim the agent stream(s) above the fire or deflect it off of surfaces while sweeping to the other side of the fire.						
9	Sweep the agent stream(s) back across the base of the fire then back above. Repeat as necessary. Adjust nozzle pattern as needed based upon fire/fuel conditions.						
10	Maneuver handline and nozzle as necessary.						
11	Stop discharging when the fire is extinguished or the fuel surface has been covered with a foam layer.						
12	Close the nozzle(s) slowly to reduce water hammer.						
13	Ventilate the fuselage to remove heat and other products of combustion.						
14	Back away from the fire. Always maintain situational awareness of area for signs of reignition.						
	Final Test Result for Entire Task						

Evaluator signature & comments, Test #1		Evaluator signature & comments, Retest #1		Evaluator signature & comments, Retest #2	
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New Jersey Division of Fire Safety

BASIC PRACTICAL SKILLS EXAMINATION REPORT

Skill sheet #

**ARFF
9-6**

Certification title

**AIRPORT FIREFIGHTING & RESCUE 6TH
EDITION**

Applicant Information

Candidate name

DFS ID #

Course #

Evaluation

Standard:
NFPA 1003, 2019 Edition

4.3.5, 4.3.9, 4.3.10

Extinguish an APU/EPU or engine fire. *[NFPA® 1003, 4.3.5, 4.3.9, 4.3.10]*

For this skills evaluation checklist, students will extinguish an APU/EPU or engine fire. Always follow manufacturer's recommendations and local standard operating procedures (SOPs) when performing all procedures. Firefighters must properly wear appropriate PPE when performing this skill.

Number	Task Steps	First Test		Retest #1		Retest #2	
		Pass	Fail	Pass	Fail	Pass	Fail
	NOTE: Some aircraft APU panels may take special tools such as wrenches to access. Be familiar with aircraft in your jurisdiction.						
1	Approach aircraft. Size up fire conditions.						
2	Activate external controls to deploy on-board extinguishing systems (if applicable).						
3	Identify correct access panel location.						
4	Open access panel, using a pike pole or other tool.						
5	Apply agent at appropriate pressure and flow using prescribed techniques.						
6	Stop discharging when the fire is extinguished.						
7	If extinguishing with a handline, back away from the fire.						
8	Maintain situational awareness of area for signs of reignition.						
Final Test Result for Entire Task							

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BASIC PRACTICAL SKILLS EXAMINATION REPORT

Skill sheet #

**ARFF
9-7**

Certification title

**AIRPORT FIREFIGHTING & RESCUE 6TH
EDITION**

Applicant Information

Candidate name

DFS ID #

Course #

Evaluation

Standard:
NFPA 1003, 2019 Edition

4.3.6, 4.3.9, 4.3.10

Extinguish a wheel assembly fire with a handline. *[NFPA® 1003, 4.3.6, 4.3.9, 4.3.10]*

For this skills evaluation checklist, students will extinguish a wheel assembly fire with a handline. This skill requires two firefighters, working as a team. Before the skill begins, indicate to students what position to take. Students should rotate positions to practice the skill as needed.

Number	Task Steps	First Test		Retest #1		Retest #2	
		Pass	Fail	Pass	Fail	Pass	Fail
	CAUTION: High temperature may cause fusible plugs to blow, creating a fragmentation hazard.						
1	Deploy and charge the handline.						
2	Approach the wheel assembly from a 45-degree angle.						
3	Operate the nozzle using water at appropriate pressure and flow using prescribed techniques until fire is extinguished.						
4	Back away, maintain situational awareness.						
Final Test Result for Entire Task							

Evaluator signature & comments, Test #1		Evaluator signature & comments, Retest #1		Evaluator signature & comments, Retest #2	
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