



# Apparatus Operator: ARFF

## NFPA 1002, 2017 Edition

### 9.1 General

#### Standard Area: General

JPR #ARFF-1

Candidate: \_\_\_\_\_

Date: \_\_\_\_\_

Candidate #: \_\_\_\_\_

<b>STANDARD:</b> 9.1.1 NFPA 1002, 2017 Edition	<b>TASK:</b> Given an ARFF vehicle and the manufacturer's servicing, testing and inspection criteria, and policies and procedures of the jurisdiction, the candidate shall perform routine tests, inspections and servicing functions specified so that the operational status of the vehicle is verified.
---	--

**PERFORMANCE OUTCOME:** The candidate shall perform routine tests, inspections and servicing functions specified so that the operational status of the vehicle is verified.

**EQUIPMENT REQUIRED:** Vehicle and the manufacturer's servicing, testing and inspection criteria, and policies and procedures of the jurisdiction perform routine tests, inspections and servicing functions specified so that the operational status of the vehicle is verified.

**CONDITIONS:** The candidate will complete all elements of the assigned task.

No.	Task Steps	Task Value	First Test Score	Retest Score
1.	Battery(ies) are clean, corrosion free and secured	1.0		
2.	Brake fluid level is with the manufacturer's recommendations and no air leaks found	1.0		
3.	Coolant level is within manufacturer's recommendations	1.0		
4.	All running and emergency lights are operational	1.0		
5.	Fuel is above $\frac{3}{4}$ tank	1.0		
6.	Transmission fluid is within manufacturer's recommendations	1.0		
7.	Engine oil is within manufacturer's recommendations	1.0		
8.	Tires have sufficient tread and are inflated to manufacturer's recommendations	1.0		
9.	Steering linkage is checked and fluid is within manufacturer's recommendations	1.0		
10.	Belts are checked for tightness and excessive wear (while engine is not running)	1.0		
11.	Priming oil level is within manufacturer's recommendations	1.0		
12.	All pump gauges have fluid and read zero (while engine is not running)	1.0		
13.	Water and foam tanks are full	1.0		
14.	Intake strainers are clean and free of corrosion	1.0		
15.	Pump gear box oil level is within manufacturer's recommendations	1.0		



## Apparatus Operator: ARFF NFPA 1002, 2017 Edition

### 9.1 General Standard Area: General

JPR #ARFF-1

16.	There are no fluid leaks under apparatus	1.0		
17.	The foam dispensing system is in working order	1.0		
18.	The dispensing system for the secondary extinguishing agent is in working order	1.0		
19.	The vehicle-mounted breathing air systems are in working order	1.0		
20.	Recognize system problems	1.0		
21.	Inspects tools, appliances, and equipment	1.0		
22.	Identifies hand tools for use during inspection	1.0		
23.	Corrects any deficiencies found	1.0		
<b>TOTAL</b>		<b>23.0</b>		

**Total Points Possible = 23**

**Total Points Needed to Pass = 16**

**Total Points Scored = \_\_\_\_\_**

Pass       Fail

**Proctor/Candidate Comments:** \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Proctor Signature**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Date**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Candidate Signature**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Date**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Re-Test Proctor**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Date**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Re-Test Candidate**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Date**



## Apparatus Operator: ARFF NFPA 1002, 2017 Edition

### 9.1 General Standard Area: General

JPR #ARFF-2

Candidate: \_\_\_\_\_

Date: \_\_\_\_\_

Candidate #: \_\_\_\_\_

<b>STANDARD:</b> 9.1.2 NFPA 1002, 2017 Edition	<b>TASK:</b> Given an ARFF vehicle and a predetermined route on a public way, the candidate shall operate the ARFF vehicle so that the vehicle is operated in compliance with all applicable federal, state/provincial and local laws, departmental rules and regulations.			
<b>PERFORMANCE OUTCOME:</b> The candidate shall operate the ARFF vehicle so that the vehicle is operated in compliance with all applicable federal, state/provincial and local laws, departmental rules and regulations.				
<b>EQUIPMENT REQUIRED:</b> Given an ARFF vehicle and a predetermined route on a public way, operate the ARFF vehicle so that the vehicle is operated in compliance with all applicable federal, state/provincial and local laws, departmental rules and regulations.				
<b>CONDITIONS:</b> The candidate will complete all elements of the assigned task.				
No.	Task Steps	Task Value	First Test Score	Retest Score
1.	*Utilizes passenger restraint devices	1.0		
2.	Operates vehicle safely and in accordance with applicable laws maintains safe following distances, maintains control of vehicle for speed and given road/weather conditions	1.0		
3.	Maneuvers on an environmentally affected or unimproved road surface	1.0		
4.	Maintains awareness of vehicle gauges and instruments	1.0		
5.	Four left turns and four right turns	1.0		
6.	A straight section of urban business street or a two-lane rural road at least 1 mile in length	1.0		
7.	One through intersection and two intersections where a stop has to be made	1.0		
8.	One curve, either left or right	1.0		
9.	One railway crossing	1.0		
10.	A section of limited-access highway that includes a conventional ramp entrance and exit and a section of road long enough to allow two lane changes	1.0		
11.	A downgrade step enough and long enough to require downshifting and braking	1.0		
12.	An upgrade steep enough and long enough to require gear changing to maintain speed	1.0		
13.	One underpass or low clearance or bridge	1.0		
14.	Operates in all aircraft movement areas	1.0		
<b>TOTAL</b>		<b>14.0</b>		



## Apparatus Operator: ARFF NFPA 1002, 2017 Edition

### 9.1 General Standard Area: General

JPR #ARFF-2

#### \* Critical Item Pass/Fail

**Total Points Possible = 14**

**Total Points Needed to Pass = 10**

**Total Points Scored = \_\_\_\_\_**

Pass       Fail

Proctor/Candidate Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Proctor Signature

Date

Candidate Signature

Date

Re-Test Proctor

Date

Re-Test Candidate

Date



## Apparatus Operator: ARFF NFPA 1002, 2017 Edition

### 9.1 General Standard Area: General

JPR #ARFF-3

Candidate: \_\_\_\_\_

Date: \_\_\_\_\_

Candidate #: \_\_\_\_\_

<b>STANDARD:</b> 9.1.3 NFPA 1002, 2017 Edition	<b>TASK:</b> Given an ARFF apparatus and a predetermined route off of an improved surface, the candidate shall operate the apparatus so that the vehicle is operated in compliance with all applicable departmental rules and regulations, and to design limitations of the vehicle.			
<b>PERFORMANCE OUTCOME:</b> The candidate shall operate the apparatus so that the vehicle is operated in compliance with all applicable departmental rules and regulations, and to design limitations of the vehicle.				
<b>EQUIPMENT REQUIRED:</b> Given an ARFF apparatus and a predetermined route off of an improved surface, operate the apparatus so that the vehicle is operated in compliance with all applicable departmental rules and regulations, and to design limitations of the vehicle.				
<b>CONDITIONS:</b> The candidate will complete all elements of the assigned task.				
No.	Task Steps	Task Value	First Test Score	Retest Score
1.	*Utilizes passenger restraint devices	1.0		
2.	Operates vehicle safely and in accordance with applicable departmental rules and regulations, maintains safe following distances, maintains control of vehicle for speed and given road/weather conditions.	1.0		
3.	Maneuvers on an environmentally affected or unimproved road surface	1.0		
4.	Maintains awareness of vehicle gauges and instruments	1.0		
5.	Operates on loose or wet soil.	1.0		
6.	Operates on steep grades (30 percent fore and aft).	1.0		
7.	Operates in a limited site distance.	1.0		
8.	Operates where there are vehicle clearance obstacles (height, width, undercarriage)	1.0		
9.	Operates where there is limited space for turnaround	1.0		
10.	Operates on side slopes (20 percent side to side)	1.0		
11.	Returns apparatus to starting point under non-emergency conditions	1.0		
<b>TOTAL</b>		<b>11.0</b>		

\* Critical Item Pass/Fail

<b>Total Points Possible = 11</b>	
<b>Total Points Needed to Pass = 8</b>	
<b>Total Points Scored = _____</b>	
<input type="checkbox"/> <b>Pass</b>	<input type="checkbox"/> <b>Fail</b>

Proctor/Candidate Comments: \_\_\_\_\_



## Apparatus Operator: ARFF NFPA 1002, 2017 Edition

### 9.1 General Standard Area: General

JPR #ARFF-3

---

---

Proctor Signature	Date	Candidate Signature	Date
Re-Test Proctor	Date	Re-Test Candidate	Date



## **Apparatus Operator: ARFF NFPA 1002, 2017 Edition**

## 9.2 Operations

JPR #ARFF-4

## Standard Area: Operations

**Candidate:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Candidate #:**

<b>STANDARD:</b> 9.2.1 NFPA 1002, 2017 Edition	<b>TASK:</b> Given an ARFF apparatus and an incident location and description that involves the largest aircraft that routinely uses the airport, the candidate shall maneuver and position the ARFF vehicle so that the vehicle is positioned for correct operation at each operational position for the aircraft.
---	---

**PERFORMANCE OUTCOME:** The candidate shall maneuver and position the ARFF vehicle so that the vehicle is positioned for correct operation at each operational position for the aircraft.

**EQUIPMENT REQUIRED:** Given an ARFF apparatus and an incident location and description that involves the largest aircraft that routinely uses the airport, maneuver and position the ARFF vehicle so that the vehicle is positioned for correct operation at each operational position for the aircraft.

**CONDITIONS:** The candidate will complete all elements of the assigned task.

No.	Task Steps	Task Value	First Test Score	Retest Score
1.	Positions vehicle for firefighting and rescue operations for the aircraft	1.0		
2.	Positions apparatus within capabilities and limitations of turret devices related to reach	1.0		
3.	Positions apparatus within capabilities and limitations of turret devices related to the effects of topography, ground and weather conditions on agent application, distribution rates and density	1.0		
4.	Avoids obstacles to operations	1.0		
<b>TOTAL</b>		<b>4.0</b>		

**Total Points Possible = 4**

### Total Points Needed to Pass = 3

## **Total Points Scored =**

□ Pass

Fail

**Proctor/Candidate Comments:** \_\_\_\_\_

---

## Proctor Signature

---

Date

---

**Candidate Signature**

---

Date

---

## Be Test Proctor

---

Date

---

## Re Test Candidate

---

Date



## Apparatus Operator: ARFF NFPA 1002, 2017 Edition

### 9.2 Operations

#### Standard Area: Operations

JPR #ARFF-5

Candidate: \_\_\_\_\_

Date: \_\_\_\_\_

Candidate #: \_\_\_\_\_

<b>STANDARD:</b> 9.2.2 NFPA 1002, 2017 Edition	<b>TASK:</b> Given an ARFF apparatus and a discharge rate and intended target, the candidate shall produce a fire stream while the vehicle is in both forward and reverse power modulation so that the pump is engaged, the turrets are deployed, the agent is delivered to the intended target at the correct rate, and the apparatus is moved and continuously monitored for potential problems.
---	--

**PERFORMANCE OUTCOME:** Produce a fire stream while the vehicle is in both forward and reverse power modulation so that the pump is engaged, the turrets are deployed, the agent is delivered to the intended target at the correct rate, and the apparatus is moved and continuously monitored for potential problems.

**EQUIPMENT REQUIRED:** Given an ARFF apparatus and a discharge rate and intended target, produce a fire stream while the vehicle is in both forward and reverse power modulation so that the pump is engaged, the turrets are deployed, the agent is delivered to the intended target at the correct rate, and the apparatus is moved and continuously monitored for potential problems.

**CONDITIONS:** The candidate will complete all elements of the assigned task.

No.	Task Steps	Task Value	First Test Score	Retest Score
1.	The pump is engaged	1.0		
2.	Determine the proper position for the apparatus.	1.0		
3.	Maneuver the apparatus into the proper position.	1.0		
4.	The turrets are deployed	1.0		
5.	Deliver the agent to the intended target at the correct rate determined by the operator	1.0		
6.	The apparatus is moved and continuously monitored for potential problems	1.0		
7.	Avoids obstacles to operations	1.0		
8.	Monitor on board supply of agent and application duration	1.0		
<b>TOTAL</b>		<b>8.0</b>		

**Total Points Possible = 8**

**Total Points Needed to Pass = 6**

**Total Points Scored = \_\_\_\_\_**

**Pass**

**Fail**



## Apparatus Operator: ARFF NFPA 1002, 2017 Edition

### 9.2 Operations Standard Area: Operations

JPR #ARFF-5

Proctor/Candidate Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Proctor Signature

Date

Candidate Signature

Date

Re-Test Proctor

Date

Re-Test Candidate

Date



## Apparatus Operator: ARFF NFPA 1002, 2017 Edition

### 9.2 Operations

#### Standard Area: Operations

JPR #ARFF-6

Candidate: \_\_\_\_\_

Date: \_\_\_\_\_

Candidate #: \_\_\_\_\_

<b>STANDARD:</b> 9.2.3 NFPA 1002, 2017 Edition	<b>TASK:</b> Given an ARFF apparatus and a discharge rate, pressurized source, a static source, and intended target, the candidate shall produce a fire stream so that the pump is engaged, the turrets are deployed, the agent is delivered to the intended target at the correct rate, and the apparatus is continuously monitored for potential problems.
---	--

**PERFORMANCE OUTCOME:** Produce a fire stream from the internal tank, the pressurized source, and the static source so that the pump is engaged, the turrets are deployed, the agent is delivered to the intended target at the correct rate, and the apparatus is moved and continuously monitored for potential problems.

**EQUIPMENT REQUIRED:** Given an ARFF apparatus and a discharge rate, pressurized source, a static source, and intended target; produce a fire stream so that the pump is engaged, the turrets are deployed, the agent is delivered to the intended target at the correct rate, and the apparatus is continuously monitored for potential problems.

**CONDITIONS:** The candidate will complete all elements of the assigned task.

No.	Task Steps	Task Value	First Test Score	Retest Score
1.	The pump is engaged	1.0		
2.	Determine correct position for the apparatus.	1.0		
3.	Maneuvers apparatus into position avoiding obstacles	1.0		
4.	The turrets are deployed	1.0		
5.	The agent is delivered to the intended target at the correct rate	1.0		
6.	Correctly calculates the length of time that extinguishing agent will be available	1.0		
7.	Steps 1-2 from the Internal Tank	1.0		
8.	Steps 1-2 from the Pressurized Source	1.0		
9.	Steps 1-2 from the Static Source	1.0		
<b>TOTAL</b>		<b>9.0</b>		

<b>Total Points Possible = 9</b>
<b>Total Points Needed to Pass = 7</b>
<b>Total Points Scored = _____</b>
<input type="checkbox"/> Pass <input type="checkbox"/> Fail



## Apparatus Operator: ARFF NFPA 1002, 2017 Edition

### 9.2 Operations Standard Area: Operations

JPR #ARFF-6

Proctor/Candidate Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Proctor Signature

Date

Candidate Signature

Date

Re-Test Proctor

Date

Re-Test Candidate

Date