State of Oregon
Department of Public Safety Standards and Training

Please keep this in the Training File at your home department, please do not send to DPSST.

NFPA Apparatus – Aircraft Rescue and Firefighting

Task Book

Task Book Assigned To:	
Name	**DPSST Fire Service #**
Department Name	**Date Initiated**
Confirm the completion and accuracy of this task book by signing below:	
Signature of Department Head or Training Officer	**Date Completed**

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Additional copies of this document may be downloaded from the DPSST website:
https://www.oregon.gov/dpsst/FirePrograms/FireForms/NFPA%20Apparatus%20-%20ARFF%20Task%20Book.pdf

Revised September 2025

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September 2025

Task Book Qualification Record Books (Task Book) have been developed for various certification levels within the Oregon Department of Public Safety Standards and Training (DPSST) system. Each Task Book lists the job performance requirements (JPRs) for the specific certification level in a format that allows a candidate to be trained and evaluated during evaluation sessions. This Task Book contains one box per JPR and should not be signed by an evaluator until the trainee has completed the skill satisfactorily. Additional boxes may be added as determined by the Authority Having Jurisdiction (AHJ). Successful performance of all tasks, as observed and recorded by a qualified and approved evaluator may result in the candidate's eligibility for DPSST certification.

Before a job performance evaluation can be taken, all requisite knowledge and skills must be satisfied. In addition, all relative Task Book evaluations must be checked off by the evaluator. When all prescribed requirements have been met, an application for certification can be forwarded to DPSST. All certificates are mailed to the Training Officer at his/her fire service agency.

NOTE TO FIRE SERVICE AGENCIES: These JPRs serve as general guidelines. As such they are NOT intended to replace specific sequences of apparatus or equipment operation that may be outlined by manufacturer specifications. At all times, standard operating procedures of the fire service agency in which the evaluation is being conducted will govern. Fire service agencies should have available for evaluators a copy of manufacturer specifications and the fire service agency's standard operational guidelines.

The JPRs covered in this Task Book meet or exceed all NFPA published standards for this certification level at the time of this publication. For more information on the complete job performance requirements and data, see the individual DPSST Task Book for that certification level.

TASK BOOK TIMELINE: Task Books are valid within the timeframe that their standard has been adopted with an additional one year grace period for completion after the updated standard has been adopted. For example: If the new standard is adopted in January of 2026 the applicant with a 2019 version of the Task Book will have until January of 2027 to complete their Task Book. If they are unable to complete the older version of the Task Book then any new tasks found in the new version of the standard will need to be completed to create a combined Task Book.

HOW TO EVALUATE PERFORMANCE:
Each JPR has one corresponding box to the right in which to confirm a candidate's success. The evaluator shall indicate successful passing by the candidate of each JPR by initialing and dating (see example below).

***A vertical line (|) to the left of the document indicates a change from the previous standard.**

11.2.2 Document the visual and operational checks, given maintenance and inspection forms, so that all items are checked for operation and deficiencies are reported.	3-15-25 BB

These skills are job performance evaluations intended to be completed after the Requisite Knowledge and Requisite Skills have been demonstrated. Generally, to be after the initial training and to be completed at the home department by a certified in the level being signed off or approved by DPSST as a content expert.

(A) Requisite Knowledge. Departmental requirements for documenting maintenance performed and the importance of keeping accurate records.	3-15-25 BB

The **Requisite Knowledge** portions of the Task Book may be done during class and signed off by the instructor. Requisite knowledge are the only JPR's intended to be signed off during class.

(B) Requisite Skills. The ability to use tools and equipment and complete all related departmental forms.	3-15-25 BB

The **Requisite Skills** are intended to be completed at the firefighter's home department or, if no one at the home department is certified to sign off, then at a neighboring department or by a DPSST approved content expert.

NFPA Apparatus – Aircraft Rescue and Firefighting
Signature Page

This signature page is a tool for your agency to document completed tasks; completion of the entire Task Book is still required (if not utilizing Task Performance Evaluations). The signature page and documentation should be kept on file at your agency. Please **do not** submit the Task Book or signature page to Department of Public Safety Standards and Training.

Initials	DPSST Fire #	Printed Name	Signature

TASK BOOK QUALIFICATION RECORD

FOR THE CERTIFICATION LEVEL OF

NFPA Apparatus – Aircraft Rescue and Firefighting

Prior to becoming certified in this position, the NFPA Apparatus – Aircraft Rescue and Firefighting candidate must successfully complete the following JPRs. The evaluator must initial and date the appropriate boxes to indicate successful completion of each. For each JPR there are requisite knowledge and skill requirements.

Designation as the Department Head or Training Officer DOES NOT waive the requirement to be certified in the level being signed off or DPSST approved prior to signing off on tasks.

Tasks must be signed off by an individual certified as a NFPA Apparatus – Aircraft Rescue and Firefighting or have received prior written approval from DPSST to sign off on tasks.

***Indicates additional explanatory information in Annex A of the NFPA standard.**

11.1 General.
For qualification as fire apparatus driver/operator, the candidate shall meet the requirements in Chapters 4 and 11.

11.2 Preventive Maintenance.

11.2.1* Perform visual and operational checks on the systems and components specified in the following list, given a fire department vehicle, its manufacturer's specifications, and policies and procedures of the jurisdiction, so that the operational status of the vehicle is verified (See Annex NFPA 1010 Annex A 11.2.1)**:**

1) Battery(ies)
2) *Braking system (See Annex NFPA 1010 Annex A 11.2.1(2)
3) Coolant system
4) Electrical system
5) Fuel
6) Hydraulic fluids
7) Oil
8) Tires
9) Steering system
10) Belts
11) Tools, appliances, and equipment
12) Built-in safety features

☐

(A) Requisite Knowledge. Manufacturer specifications and requirements, policies, and procedures of the jurisdiction.

☐

(B) Requisite Skills. The ability to use hand tools, recognize system problems, and correct any deficiency noted according to policies and procedures. ☐

11.2.2 Document the visual and operational checks, given maintenance and inspection forms, so that all items are checked for operation and deficiencies are reported. ☐

(A) Requisite Knowledge. Departmental requirements for documenting maintenance performed and the importance of keeping accurate records. ☐

(B) Requisite Skills. The ability to use tools and equipment and complete all related departmental forms. ☐

11.3 Driving.

11.3.1* Operate a fire apparatus, given a vehicle and a predetermined route on a public way that incorporates the maneuvers and features that the driver/operator is expected to encounter during normal operations, so that the vehicle is operated in compliance with all applicable state and local laws and departmental rules and regulations. (See Annex NFPA 1010 Annex A 11.3.1). ☐

(A) Requisite Knowledge. The importance of donning passenger restraint devices and ensuring crew safety; the common causes of fire apparatus accidents and the recognition that drivers of fire apparatus are responsible for the safe and prudent operation of the vehicle under all conditions; the effects on vehicle control of liquid surge, braking reaction time, and load factors; effects of high center of gravity on rollover potential, general steering reactions, speed, and centrifugal force; applicable laws and regulations; principles of skid avoidance, night driving, shifting, and gear patterns; negotiating intersections, railroad crossings, and bridges; weight and height limitations for both roads and bridges; identification and operation of automotive gauges; and operational limits. ☐

(B) Requisite Skills. The ability to operate passenger restraint devices; maintain safe following distances; maintain control of the vehicle while accelerating, decelerating, and turning, given road, weather, and traffic conditions; operate under adverse environmental or driving surface conditions; and use automotive gauges and controls. ☐

11.3.2* Back a vehicle from a roadway into an area with restricted spaces on both the right and left sides of the vehicle, given a fire apparatus; a spotter to assist the driver in performing

the maneuver; and restricted spaces of 12 ft (3.7 m) in width, requiring 90-degree right-hand and left-hand turns from the roadway, so that the vehicle is parked within the restricted areas without needing to stop and pull forward and without striking obstructions. (See Annex NFPA 1010 Annex A 11.3.2).

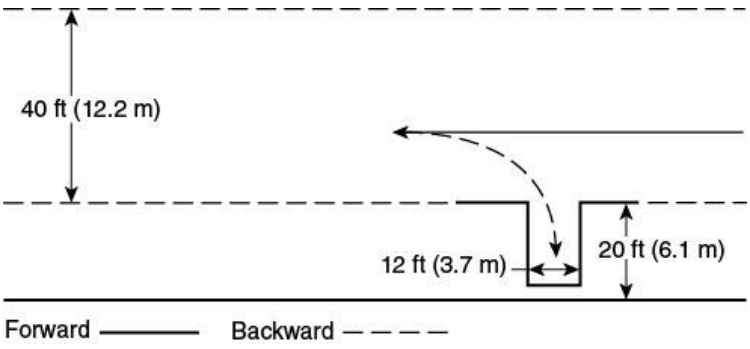


FIGURE A.11.3.2(a)

Alley Dock Exercise.

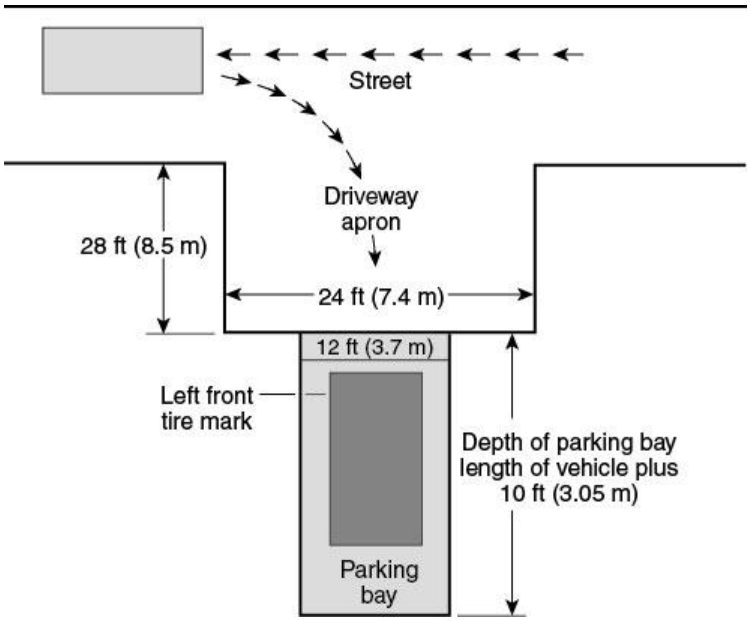


FIGURE A.11.3.2(b)

Station Parking Procedure Drill.

(A) Requisite Knowledge. Vehicle dimensions, turning characteristics, spotter signaling, and principles of safe vehicle operation.

(B) Requisite Skills. The ability to use mirrors and judge vehicle clearance.

11.3.3* Maneuver a vehicle around obstructions on a roadway while moving forward and in reverse, given a fire apparatus; a spotter where the spotter assists the driver in performing the maneuver; and a roadway with obstructions, so that the vehicle is maneuvered through the obstructions without stopping to change the direction of travel and without striking the obstructions. (See Annex NFPA 1010 Annex A 11.3.3).

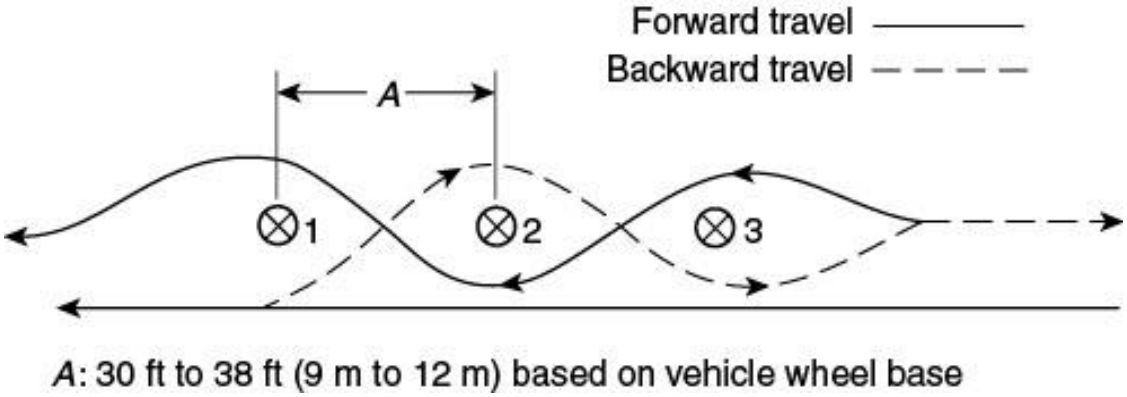


FIGURE A.11.3.3
Serpentine Exercise.

(A) Requisite Knowledge. Vehicle dimensions, turning characteristics, the effects of liquid surge, spotter signaling, and principles of safe vehicle operation.

(B) Requisite Skills. The ability to use mirrors and judge vehicle clearance.

11.3.4* Turn a fire apparatus 180 degrees within a confined space, given a fire apparatus, a spotter for backing up, and an area in which the vehicle cannot perform a U-turn without stopping and backing up, so that the vehicle is turned 180 degrees without striking obstructions within the given space. (See Annex NFPA 1010 Annex A 11.3.4).

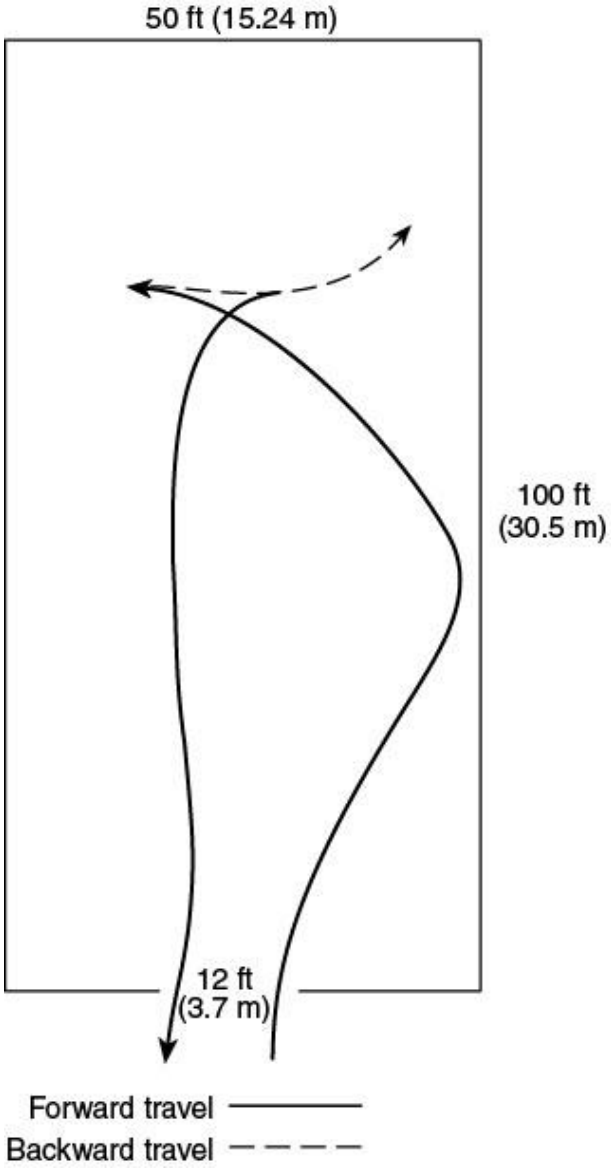


FIGURE A.11.3.4
Confined Space Turnaround.

(A) Requisite Knowledge. Vehicle dimensions, turning characteristics, the effects of liquid surge, spotter signaling, and principles of safe vehicle operation. ☐

(B) Requisite Skills. The ability to use mirrors and judge vehicle clearance. ☐

11.3.5* Maneuver a fire apparatus in areas with restricted horizontal and vertical clearances, given a fire apparatus and a course that requires the operator to move through areas of restricted horizontal and vertical clearances, so that the operator judges the ability of the vehicle to pass through the openings and so that no obstructions are struck. (See Annex NFPA 1010 Annex A 11.3.5).

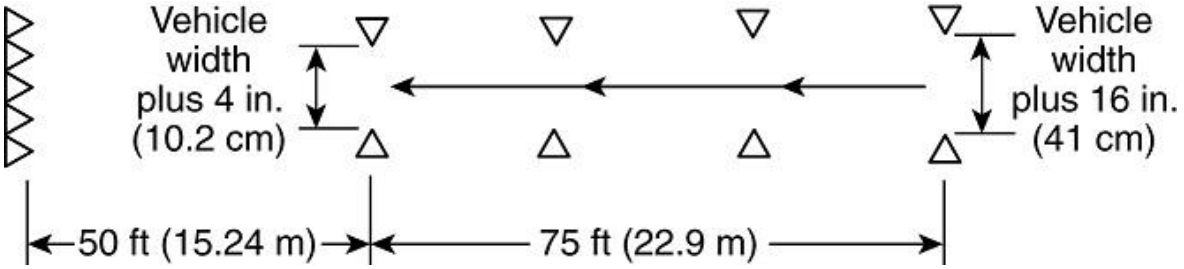


FIGURE A.11.3.5
Diminishing Clearance Exercise.

(A) Requisite Knowledge. Vehicle dimensions, turning characteristics, the effects of liquid surge, and principles of safe vehicle operation.

(B) Requisite Skills. The ability to use mirrors and judge vehicle clearance.

11.3.6* Operate a vehicle using defensive driving techniques, given an assignment and a fire apparatus, so that control of the vehicle is maintained. (See Annex NFPA 1010 Annex A 11.3.6).

(A) Requisite Knowledge. The importance of donning passenger restraint devices and ensuring crew safety; the common causes of fire apparatus accidents and the recognition that drivers of fire apparatus are responsible for the safe and prudent operation of the vehicle under all conditions; the effects of liquid surge on vehicle control; factors that make up total stopping distance; load factors; the effects of a high center of gravity on rollover potential, laws of inertia, general steering reactions, and speed; applicable laws and regulations; principles of skid avoidance, night driving, shifting, gear patterns, and automatic braking systems in wet and dry conditions; negotiation of intersections, railroad crossings, and bridges; weight and height limitations for both roads and bridges; identification and operation of automotive gauges; and operational limits.

(B) Requisite Skills. The ability to operate passenger restraint devices; maintain safe following distances; maintain control of the vehicle while accelerating, decelerating, and turning, given road, weather, and traffic conditions; operate under adverse environmental or driving surface conditions; and use automotive gauges and controls.

11.3.7* Operate all fixed systems and equipment on the vehicle not addressed elsewhere in Chapters 11 through 17, given systems and equipment, manufacturer's specifications and instructions, and departmental policies and procedures for the systems and equipment, so that each system or piece of equipment is operated in accordance with the applicable instructions and policies. (See NFPA 1010 Annex A 11.3.7).

(A) Requisite Knowledge. Manufacturer's specifications and operating procedures, and policies and procedures of the jurisdiction.

(B) Requisite Skills. The ability to deploy, energize, and monitor the system or equipment and to recognize and correct system problems.

16.1* For qualification as fire apparatus driver/operator — aircraft rescue and firefighting (ARFF) apparatus, the candidate shall meet the requirements defined in Chapters 4, 7, 8, 11, 16. (See NFPA 1010 Annex 16.1).

16.2 Preventative Maintenance.

16.2.1 Perform the visual and operational checks on the systems and components specified in the following list, in addition to those in 11.2.1, given an ARFF vehicle and the manufacturer's servicing, testing, and inspection criteria; and policies and procedures of the authority having jurisdiction (AHJ), so that the operational status of the vehicle is verified:

1) *Agent dispensing systems (See Annex A.16.2.1)
2) *Secondary extinguishing systems (See Annex A.16.2.1(2)
3) Vehicle-mounted breathing air systems

(A) Requisite Knowledge. Manufacturer's specifications and requirements, and policies and procedures of the AHJ.

(B) Requisite Skills. The ability to use hand tools, recognize system problems, and correct any deficiency noted according to policies and procedures.

16.3. Driving.

16.3.1 Operate an ARFF vehicle, given a predetermined route on an airport that includes the maneuvers listed in 11.3.1, and operation in all aircraft movement areas, so that the vehicle is operated in compliance with all applicable federal, state/provincial, and local laws and departmental rules and regulations. ☐

(A) Requisite Knowledge. The effects on vehicle control of liquid surge, braking reaction time, and load factors; effects of high center of gravity on rollover potential, general steering reactions, speed, and centrifugal force; applicable laws and regulations; principles of skid avoidance, night driving, shifting, and gear patterns; negotiating intersections, railroad crossings, and bridges; weight and height limitations for both roads and bridges; identification and operation of automotive gauges; operational limits; hazards of driving through smoke; control tower light signals; airfield markings; runway and taxiway designations; air and vehicle traffic patterns; and all aircraft movements areas. ☐

(B) Requisite Skills. The ability to operate passenger restraint devices; maintain safe following distances; maintain control of the vehicle while accelerating, decelerating, and turning, given road, weather, and traffic conditions; operate under adverse environmental or driving surface conditions; and use automotive gauges and controls. ☐

16.3.2 Operate an ARFF apparatus, given a predetermined route, off of an improved surface that incorporates the maneuvers and features that the driver/operator is expected to encounter during normal operations, so that the vehicle is operated in compliance with all applicable departmental rules and regulations and the design limitations of the vehicle. *(See A.15.4.1.)* ☐

(A) Requisite Knowledge. The effects on vehicle control of braking reaction time and load factors; effects of high center of gravity on rollover potential, general steering reactions, speed, and centrifugal force; applicable laws and regulations; principles of skid avoidance, night driving, shifting, and gear patterns; negotiating intersections, railroad crossings, and bridges; weight and height limitations for both roads and bridges; identification and operation of automotive gauges; and operational limits. ☐

(B) Requisite Skills. The ability to operate passenger restraint devices; maintain safe following distances; maintain control of the vehicle while accelerating, decelerating, and turning, given road, weather, and traffic conditions; operate during nonemergency conditions; operate under adverse environmental or driving surface conditions; and use automotive gauges and controls.

16.4 Operations.

16.4.1 Maneuver and position an ARFF vehicle, given an incident location and description that involves the largest aircraft that uses the airport, so that the vehicle is positioned for correct operation at each operational position for the aircraft.

(A) Requisite Knowledge. Vehicle positioning for firefighting and rescue operations; tower light signals, aircraft recognition, airport markings, and capabilities and limitations of turret devices; and effects of topography, ground, and weather conditions on agent application, distribution rates, and density.

(B) Requisite Skills. The ability to determine a correct position for the apparatus, maneuver apparatus into that position, and avoid obstacles to operations.

16.4.2 Produce a fire stream while the vehicle is in both forward and reverse power modulation, given a discharge rate and intended target, 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 monitored for potential problems.

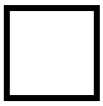
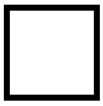
(A) Requisite Knowledge. Principles of agent management and application, effects of terrain and wind on agent application, turret capabilities and limitations, aircraft danger areas, theoretical critical fire area and practical critical fire area, aircraft entry and egress points, and correct apparatus placement.

(B) Requisite Skills. The ability to provide power to the pump, determine a correct position for the apparatus, maneuver apparatus into that position, avoid obstacles to operations, apply agent, and determine the length of time an extinguishing agent will be available.

16.4.3 Produce a fire stream, given a rate of discharge and water supplied from the sources specified in the following list, 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 monitored for potential problems:

1) **The internal tank**
2) ***Pressurized source (See Annex A.16.4.3(2)**
3) **Static source in fire apparatus equipped with drafting capabilities**

(A) Requisite Knowledge. Principles of agent management and application, effects of terrain and wind on agent application, turret capabilities and limitations, tower light signals, airport markings, aircraft recognition, aircraft danger areas, theoretical critical fire area and practical critical fire area, aircraft entry and egress points, and correct apparatus placement.



(B) Requisite Skills. The ability to provide power to the pump, determine a correct position for the apparatus, maneuver apparatus into that position, avoid obstacles to operations, apply agent, and determine the length of time an extinguishing agent will be available.