



FIRE APPARATUS DRIVER OPERATOR

PRACTICAL SKILLS CERTIFICATION EVALUATION PACKET (NFPA Standard 1002, 2014 Edition)

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AFSC DRIVER OPERATOR PRACTICAL SKILLS EVALUATION PACKET

DRIVER OPERATOR PRACTICAL SKILLS CORRELATION MAP

CORE JOB PERFORMANCE REQUIREMENTS

(NFPA 1002, 2014 Edition)

2014 Skill Sheet	NFPA Section-	Tasks	Certification Requirements: 2- Verify Locally 4- Mandatory
Practical Skills Completed at Department Level for Application Packet Review			
<u>DO 1</u>	4.2.1(B) 4.2.2(B) 4.3.7(B)	Perform Routine Maintenance Document Routine Maintenance Operate All Fixed Systems	Verify Locally
<u>DO 2</u>	4.3.1(B) 4.3.6(B)	Operate Fire Apparatus	Verify Locally
<u>DO 3</u>	4.3.2(B)	Back a Pumper Apparatus- Alley Dock or Station Parking Maneuver	Mandatory
<u>DO 4</u>	4.3.3(B)	Perform Serpentine Exercise	Mandatory
<u>DO 5</u>	4.3.4(B)	Confined Space Turnaround	Mandatory
<u>DO 6</u>	4.3.5(B)	Diminishing Clearance Exercise	Mandatory

Skill Sheet Packet Instruction

Purpose of the Skill Sheets

All skills listed in this packet are consistent with the 2014 edition of [NFPA 1002: Standard for Fire Apparatus Driver/Operator Professional Qualifications](#). The Alaska Fire Standards Council (AFSC) provides these skill sheets as the basis for Driver Operator testing and certification.

For certification purposes, the final skill examination will consist of a series of mandatory skill stations listed on the last page of this packet.

Description & Use

1. These skills sheets are designed for use by the Training Officer and Driver Operator candidate. Use of this packet throughout a training program will assist in verifying candidate competency and completion of the [Driver Operator Training Record](#).
2. For eligibility to complete the final certification examination, a candidate must demonstrate competency in all skills during training and satisfactorily complete all items on the Driver Operator Training Record document.
3. This packet is designed to encompass the requisite skills for Driver Operator these skill sheets are used for final testing and certification. Accreditation Managers/Training Officers and Driver Operator 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 skills categories. This packet contains a list of all mandatory skills that are used for the final examination.
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 Driver Operator Training Record establishes a candidate's eligibility to test. The Training Record 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 Driver Operator 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 Driver Operator 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 driver skills within simulated vehicle operation scenarios related to emergency response activities. When applicable, skill sheets specifically describe when simulated conditions are permitted for certification testing.
3. 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 (lack of seatbelt[s], etc)
 - c. Lack of skill accuracy and task completion as defined on the skill evaluation sheet
 - d. Poor judgment in skill performance (i.e.- improper vehicle operation or equipment/safety violation)

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- e. Failure to appropriately apply basic driver knowledge (speeding or violation of traffic laws)
- 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 the on-the-job activities of a Driver Operator. There are certain artificialities to training and testing that the candidate must be able to adapt to. Simulations during the final examination are often necessary to complete the required practical skill scenarios. For the best possible outcome during final skills examination the Driver Operator course instructor must prepare the candidates to competently perform these skills under a variety of conditions.

Final Skills Evaluation

The AFSC designated Certifying Officer (CO) shall conduct the final evaluation and will utilize the practical skills evaluation sheets during the examination process. 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 Accreditation Manager/Training Officer, or designee, to ensure an adequate test site location is available. The Accreditation Manager/Training Officer 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 skills examination packet, and the packet will be attached to the Driver Operator Training Record as part of the candidate's permanent local training record.

Prerequisite Certification Requirements

For eligibility to certify at the Driver Operator level, candidates must:

- Be 18 years of age
 - *possess a valid driver's license (as required by Alaska DMV)
 - meet the medical requirement as specified in NFPA 1500, 10.1 (as per AHJ policy)
- *See Alaska [DMV website](#) for specific details

Additional Notes:

1. During the final practical examination it is expected that appropriate personal protective equipment (PPE) shall be worn for all skill stations, unless otherwise indicated within the skill evaluation sheet. When appropriate, candidates shall don *all* PPE appropriate for the scenario to maintain on-the-job conditions.
2. During some scenarios a candidate may be instructed to perform other Driver Operator 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 be prepared or assembled within the final skills examination. Unless otherwise indicated, it is permissible for the candidate to prepare or assemble the required equipment or devices 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 on-the-job situations.
6. Candidates must identify and respond quickly and appropriately to equipment malfunctions, improper application of tool usage, or other changes within a given scenario. The Evaluator ultimately determines if the candidate has met the criteria specified on the skill(s) being evaluated.
7. 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 secure a safety restraint device before driving an apparatus.
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 Driver Operator requirements.

Driver Operator Final Written and Practical Examinations

Following is a brief outline of the reference materials and documents that are used for a Driver Operator final examination:

Driver Operator Examination References

- a. NFPA 1002 Standard for Fire Officer Professional Qualifications, 2014 edition
- b. Text
 - IFSTA, *Pumping and Aerial Apparatus Driver/Operator Handbook*, 3rd Edition
 - Jones and Bartlett *Fire Apparatus Driver/Operator: Pump, Aerial, Tiller, and Mobile Water Supply*, 2nd Edition
- c. Driver Operator Practical Skills Evaluation Sheets (*this packet*)

Final Examination Steps

- a. * [Driver Operator Training Record](#) review (*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 Driver Operator 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 placed in the candidate's local training file in accordance with fire department procedures*

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Candidate:	Date:
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NFPA 1002- 2014 Ed.

PRACTICAL SKILL REQUIREMENTS

DO- 1a

STANDARD: NFPA 1002: 4.2.1(B); 4.2.2(B); 4.3.7(B)	SKILL AREA: Perform Routine Maintenance Document Routine Maintenance Operate All Fixed Systems
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TASK 4.2.1: Perform routine tests, inspections, and service functions on the systems and components specified in the following list, so that the operational status of the vehicle is verified.

TASK 4.2.2: Document the routine tests, inspections, and servicing functions, given maintenance and inspection forms, so that all items are checked for operation and deficiencies are reported.

TASK 4.3.7: Operate all fixed systems and equipment on the vehicle not specifically addressed elsewhere in this standard, 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.

PERFORMANCE OUTCOME: The candidate shall demonstrate the ability to: use hand tools and equipment; recognize system problems; correct any deficiency noted in accordance with policies and procedures; deploy, energize, and monitor the system or equipment and to recognize and correct system problems; and complete all related departmental forms.

EQUIPMENT: Fire apparatus, department policies and procedures (SOP/SOG), forms/reports, maintenance log book/record, notepad or clipboard, and radio unit.

CONDITIONS: Given a fire department vehicle and its manufacturer’s specifications and maintenance inspection forms, the candidate shall demonstrate the ability to:

No.	TASK STEPS	TEST		RETEST 1		RETEST 2	
		P	F	P	F	P	F
Perform routine tests, inspections and/or service functions on the following:							
1.	• Battery(ies)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	• Braking system	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.	• Coolant system	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.	• Electrical system	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.	• Fuel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.	• Hydraulic fluids	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.	• Oil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8.	• Tires	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9.	• Steering system	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10.	• Belts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11.	• Tools, appliances, and equipment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12.	Deploy, energize and monitor fixed equipment not otherwise specified (i.e. generators, floodlights, air compressors, cascade systems, hydraulic rescue tools, power reels, cranes and stabilizers, or other lifting equipment.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13.	Appropriately recognize equipment/system problems or deficiencies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14.	Correct any found deficiencies, or document /report them in accordance with departmental procedures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15.	Complete inspection reports and all related vehicle maintenance forms in accordance with departmental procedures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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Candidate:	Date:
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NFPA 1002- 2014 Ed.

PRACTICAL SKILL REQUIREMENTS

DO- 2a

STANDARD: NFPA 1002: 4.3.1(B);4.3.6(B)	SKILL AREA: Operate Fire Apparatus
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TASK-4.3.1: Operate a fire department vehicle 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, departmental rules and regulations, and the requirements of [NFPA 1500](#), Section 4.2.

TASK-4.3.6: Operate a fire department vehicle using defensive driving techniques under emergency conditions, given a fire department vehicle and emergency conditions, so that control of the vehicle is maintained.

PERFORMANCE OUTCOME: The candidate will operate a department vehicle on a predetermined route provided by the Authority Having Jurisdiction, and demonstrate 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.

EQUIPMENT: Barricades/course markers (traffic cones/pylons, marking ribbon, etc.), department policies and procedures (SOP/SOG), fire apparatus, and radio unit.

CONDITIONS: Given a fire apparatus and a predetermined route on a public way that incorporates the maneuvers and features specified in the following list, the candidate shall demonstrate the ability to:

No.	TASK STEPS	TEST		RETEST 1		RETEST 2	
		P	F	P	F	P	F
1.	Check and adjust the driver's seat	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	Check and adjust vehicle mirrors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.	Properly fasten seatbelt prior to placing the vehicle in motion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.	Maintain safe following distances	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.	Maintain vehicle control while accelerating, decelerating, and turning	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.	Operate the vehicle under changing road surface conditions or under adverse environmental conditions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.	Appropriately use automotive gauges and controls	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
While operating a fire apparatus, safely perform the following:							
8.	Four left turns	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9.	Four right turns	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10.	Drive a straight section of urban business street or a two-lane rural road at least 1 mile in length	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11.	Drive one through-intersection and two intersections where a stop has to be made	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12.	Drive through one railroad crossing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13.	Drive through one curve, either left or right	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14.	Drive 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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15.	Drive a downgrade steep enough and long enough to require downshifting and braking	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16.	Drive an upgrade steep enough and long enough to require gear changing to maintain speed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17.	Drive one underpass or a low clearance or bridge	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18.	Perform all vehicle operations in a safe manner	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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Candidate:	Date:
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NFPA 1002- 2014 Ed.

PRACTICAL SKILL REQUIREMENTS

[DO- 2b](#)

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

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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Candidate:	Date:
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NFPA 1002- 2014 Ed.

PRACTICAL SKILL REQUIREMENTS

DO- 3

STANDARD: NFPA 1002: 4.3.2(B)	SKILL AREA: Back a Pumper Apparatus- Alley Dock or Station Parking Maneuver
TASK: Back a vehicle from a roadway into restricted spaces on both the right and left sides of the vehicle, so that the vehicle is parked within the restricted areas without having to stop and pull forward and without striking obstructions.	
PERFORMANCE OUTCOME: The candidate shall demonstrate the ability to use mirrors and judge vehicle clearance while backing a vehicle. This exercise is intended to measure a driver’s ability to drive past a simulated dock or stall, back the apparatus into the space provided, and stop smoothly.	
EQUIPMENT: Barricades/course markers (traffic cones/pylons, marking ribbon, etc.), department policies and procedures (SOP/SOG), fire apparatus, and radio unit.	
CONDITIONS: Given a fire department apparatus, a spotter, and restricted spaces 3.7 m (12 ft) in width, requiring 90-degree right-hand and left-hand turns from the roadway, the candidate shall demonstrate the ability to:	

No.	TASK STEPS	TEST		RETEST 1		RETEST 2	
		P	F	P	F	P	F
Certifying Officer shall check <u>one</u> of the following for final certification examination:							
	a. <input type="checkbox"/> Alley dock						
	b. <input type="checkbox"/> Station parking maneuver						
1.	Check and adjust the driver’s seat	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	Check and adjust vehicle mirrors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.	Fasten seatbelt prior to placing the vehicle in motion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.	Back the apparatus into restricted space on the right side without having to stop and pull forward and without striking obstructions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.	Back the apparatus into restricted space on the left side without having to stop and pull forward and without striking obstructions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.	Keep the fire apparatus within course boundaries	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.	Perform all vehicle operations in a safe manner	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

Comments:

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

<i>Certifying Officer Signature</i>		

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STANDARD: NFPA 1002: 4.3.2(B)	SKILL AREA: Back a Pumper Apparatus- Alley Dock
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A.4.3.2: The alley dock exercise measures a driver's ability to drive past a simulated dock or stall, back the apparatus into the space provided, and stop smoothly. A dock or stall can be simulated by arranging barricades 40 ft (12.2 m) from a boundary line. These barricades should be 12 ft (3.7 m) apart, and the length should be approximately 20 ft (6.1 m). The driver should pass the barricades with the dock on the left and then back the apparatus, using a left turn, into the stall. The exercise should then be repeated with the dock on the right side, using a right turn. [See Figure A.4.3.2(a).]

Note that for large vehicles, such as ARFF apparatus, this course might need to be modified.

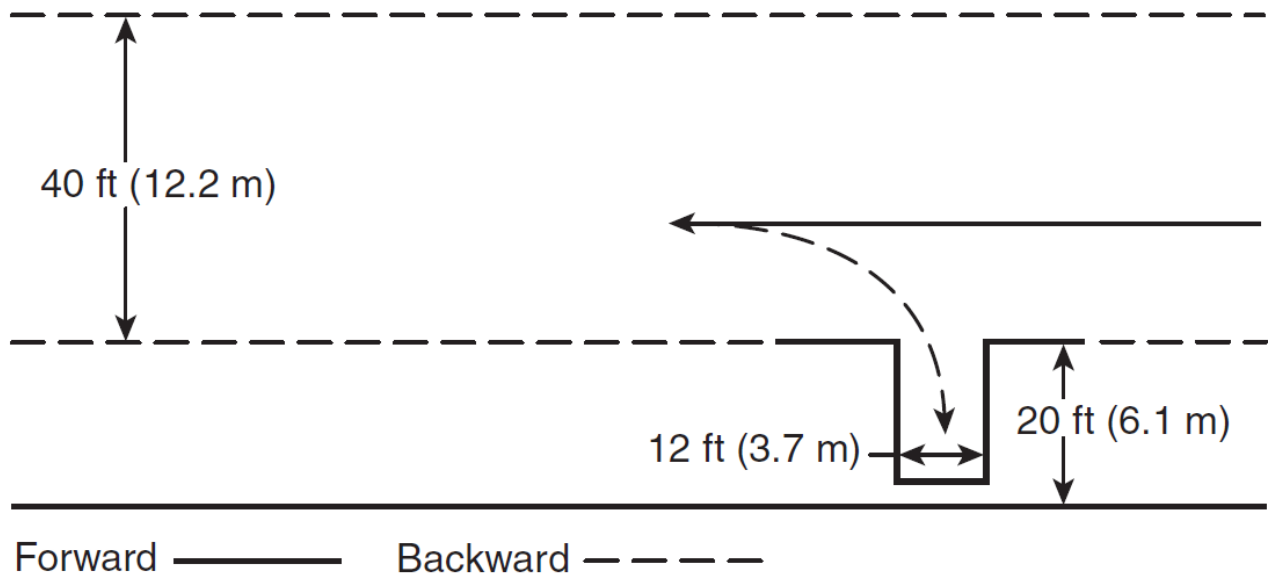


FIGURE A.4.3.2(a) Alley Dock Exercise.

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STANDARD: NFPA 1002: 4.3.2(B)

SKILL AREA: Back a Pumper Apparatus - Station Parking Procedure

A.4.3.2: The station parking exercise measures the driver's ability to back the apparatus into a fire station to park or to back the apparatus down a street to reverse the direction of travel. An engine bay can be simulated by allowing for a 20 ft (6.1 m) minimum setback from a street 30 ft (9 m) wide, with a set of barricades at the end of the setback, spaced 12 ft (3.7 m) apart to simulate the garage door. The setback from the street should be determined by the testing agency to ensure that the distances reflect those encountered by the apparatus driver during the normal course of duties. A marker placed on the ground should indicate to the operator the proper position of the left front tire of the vehicle once stopped and parked. A straight line can be provided to assist the operator while backing the apparatus, facilitating the use of vehicle mirrors. The minimum depth distance is determined by the total length of the vehicle. [See Figure A.4.3.2(b).]

Note that for large vehicles, such as ARFF apparatus, this course might need to be modified.

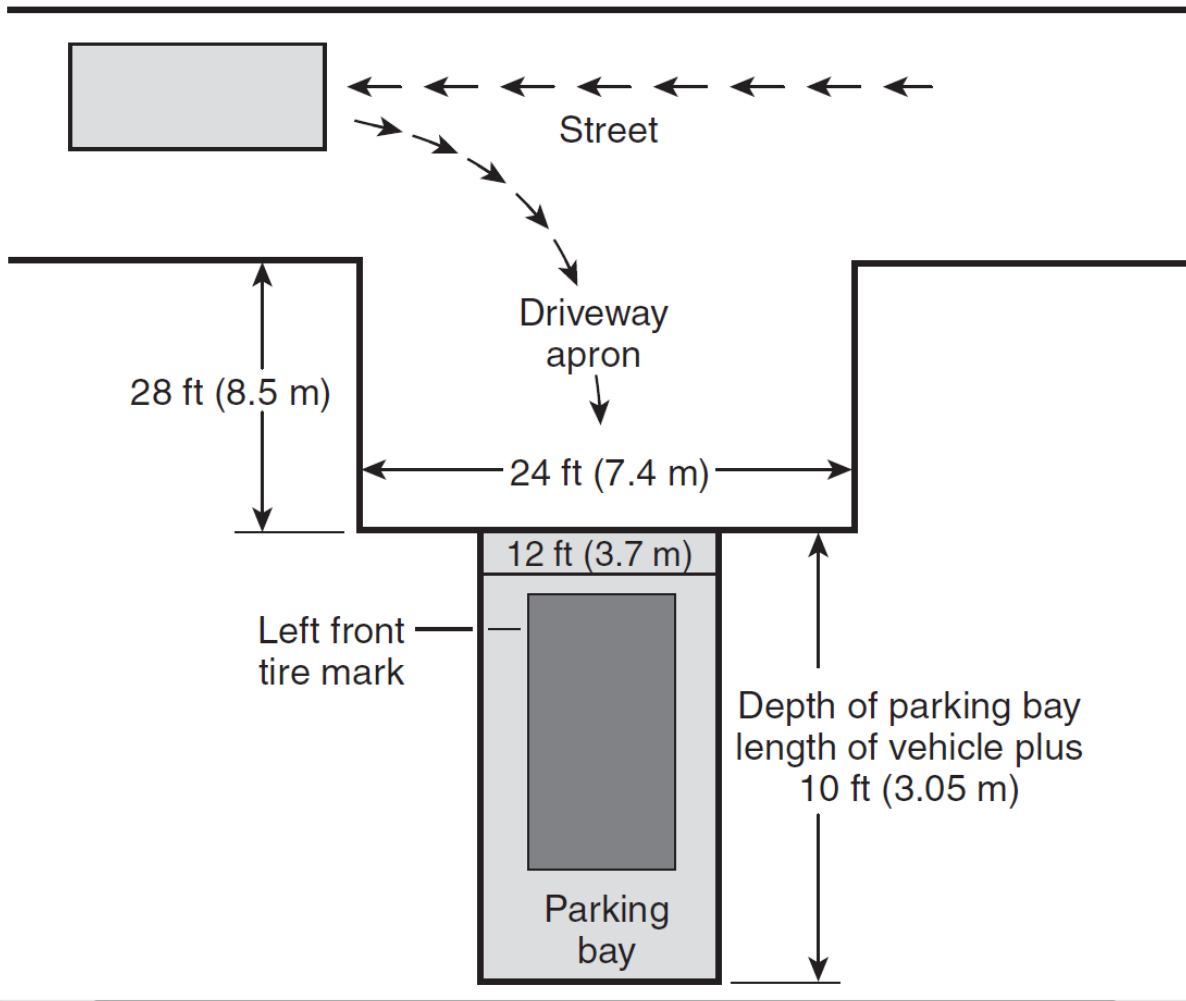


FIGURE A.4.3.2(b) Station Parking Procedure Drill.

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Candidate:	Date:
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NFPA 1002- 2014 Ed.

PRACTICAL SKILL REQUIREMENTS

DO-4

STANDARD: NFPA 1002: 4.3.3(B)	SKILL AREA: Perform Serpentine Exercise
TASK: Maneuver a vehicle around obstructions on a roadway while moving forward and in reverse, so that the vehicle is maneuvered through the obstructions without stopping to change the direction of travel and without striking the obstructions.	
PERFORMANCE OUTCOME: This exercise measures a driver’s ability to steer the apparatus in close limits without stopping. The exercise should be conducted with the apparatus moving first forward, then backward. The candidate shall demonstrate the ability to use mirrors and judge vehicle clearance while successfully maneuvering through a serpentine course.	
EQUIPMENT: Barricades/course markers (traffic cones/pylons, marking ribbon, etc.), department policies and procedures (SOP/SOG), fire apparatus, and radio unit.	
CONDITIONS: Given a fire department apparatus, a spotter, and a designated serpentine course (roadway with obstructions), the candidate shall demonstrate the ability to:	

No.	TASK STEPS	TEST		RETEST 1		RETEST 2	
		P	F	P	F	P	F
1.	Check and adjust the driver’s seat	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	Check and adjust vehicle mirrors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.	Fasten seatbelt prior to placing the vehicle in motion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.	Maneuver the pumper forward around obstructions without stopping and/or changing direction of travel and without striking obstructions.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.	Maneuver the pumper in reverse around obstructions without stopping and/or changing direction of travel and without striking obstructions.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.	Keep the fire apparatus within course boundaries	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.	Perform all vehicle operations in a safe manner	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<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"><u>Overall Skill Sheet Result:</u></p> <p align="center">Pass (P): <input type="checkbox"/> Fail (F): <input type="checkbox"/></p>
<i>Certifying Officer Signature</i>		

DRIVER OPERATOR PRACTICAL SKILLS EVALUATION PACKET

STANDARD: NFPA 1002: 4.3.3(B)

SKILL AREA: Serpentine Exercise

A.4.3.3: The serpentine exercise measures a driver's ability to steer the apparatus in close limits without stopping. The exercise should be conducted with the apparatus moving first backward, then forward. The course or path of travel for this exercise can be established by placing a minimum of three markers, each spaced between 30 ft (9 m) and 38 ft (12 m) apart, in a line. The spacing of the markers should be based on the wheel base of the vehicle used. Adequate space must be provided on each side of the markers for the apparatus to move freely. The driver should drive the apparatus along the left side of the markers in a straight line and stop just beyond the last marker. The driver then should begin the exercise by backing the apparatus between the markers by passing to the left of marker No. 1, to the right of marker No. 2, and to the left of marker No. 3. At this point, the driver should stop the vehicle and then drive it forward between the markers by passing to the right of marker No. 3, to the left of marker No. 2, and to the right of marker No. 1. (See Figure A.4.3.3.)

Note that for large vehicles, such as ARFF apparatus, this course might need to be modified.

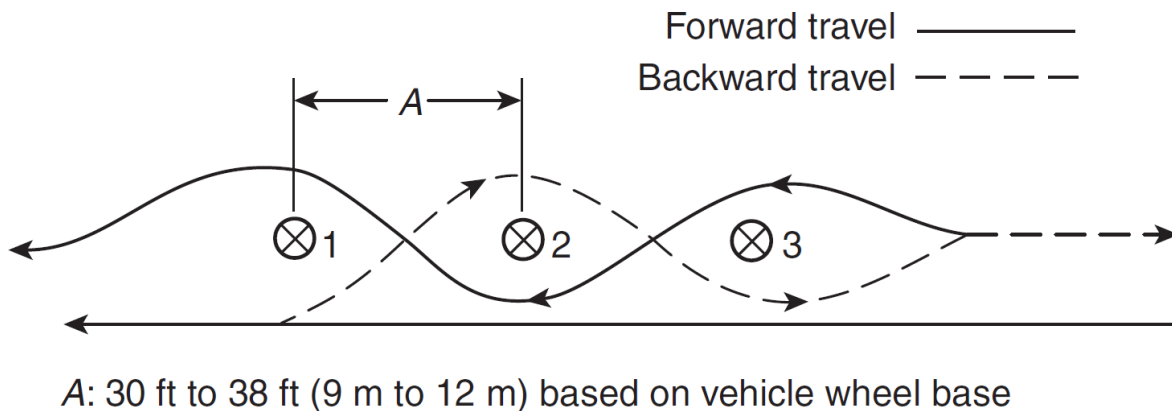


FIGURE A.4.3.3 Serpentine Exercise.

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DRIVER OPERATOR PRACTICAL SKILLS EVALUATION PACKET

Candidate:	Date:
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NFPA 1002- 2014 Ed.

PRACTICAL SKILL REQUIREMENTS

DO-5

STANDARD: NFPA 1002: 4.3.4(B)	SKILL AREA: Confined Space Turnaround
TASK: Turn a fire department vehicle 180 degrees within a confined space, given a fire department vehicle, a spotter for backing up, so that the vehicle is turned 180 degrees without striking obstructions within the given space.	
PERFORMANCE OUTCOME: This exercise measures the candidate’s ability to turn the vehicle around in a confined space without striking obstacles. The candidate shall demonstrate the ability to use mirrors and judge vehicle clearance while successfully maneuvering 180 degrees without striking obstacles.	
EQUIPMENT: Barricades/course markers (traffic cones/pylons, marking ribbon, etc.), department policies and procedures (SOP/SOG), fire apparatus, and radio unit.	
CONDITIONS: Given a fire department apparatus, a spotter, and an area in which the vehicle cannot perform a U-turn without stopping and backing up, the candidate shall demonstrate the ability to:	

No.	TASK STEPS	TEST		RETEST 1		RETEST 2	
		P	F	P	F	P	F
1.	Check and adjust the driver’s seat	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	Check and adjust vehicle mirrors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.	Fasten seatbelt prior to placing the vehicle in motion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.	Turn the pumper 180 degrees within a confined space, without striking obstructions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.	Keep the fire apparatus within course boundaries	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.	Perform all vehicle operations in a safe manner	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

Comments:	

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

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DRIVER OPERATOR PRACTICAL SKILLS EVALUATION PACKET

STANDARD: NFPA 1002: 4.3.4(B)

SKILL AREA: Confined Space Turnaround

A.4.3.4: The confined space turnaround exercise measures the driver's ability to turn the vehicle around in a confined space without striking obstacles. The turn is accomplished within an area 50 ft × 100 ft (15.24 m × 30.5 m). The driver moves into the area from a 12 ft (3.7 m) opening in the center of one of the 50 ft (15.24 m) legs, turns the vehicle 180 degrees, and returns through the opening. There is no limitation on the number of times the driver has to maneuver the vehicle to accomplish this exercise, but no portion of the vehicle should extend over the boundary lines of the space. (See Figure A.4.3.4)

Note that for large vehicles, such as ARFF apparatus, this course might need to be modified.

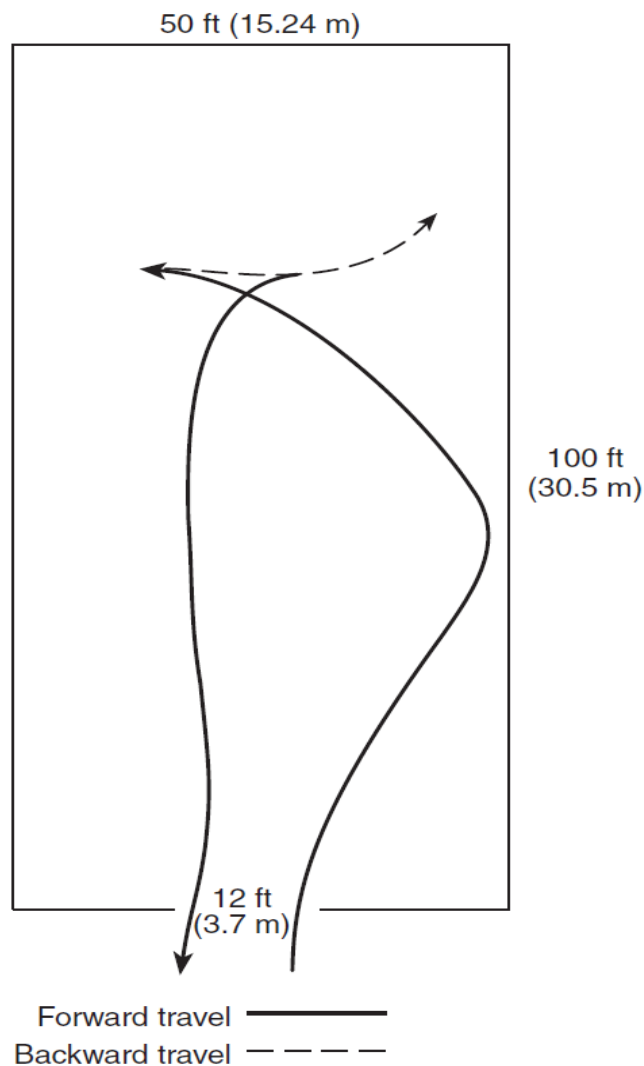


FIGURE A.4.3.4 Confined Space Turnaround.

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AFSC DRIVER OPERATOR PRACTICAL SKILLS EVALUATION PACKET

Candidate:	Date:
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NFPA 1002- 2014 Ed.

PRACTICAL SKILL REQUIREMENTS

DO- 6

STANDARD: NFPA 1002: 4.3.5(B)	SKILL AREA: Diminishing Clearance Exercise
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TASK: Maneuver a fire department vehicle in areas with restricted horizontal and vertical clearances, so that the operator accurately judges the ability of the vehicle to pass through the openings and so that no obstructions are struck.

PERFORMANCE OUTCOME: This exercise measures a candidate’s ability to steer the apparatus in a straight line, to judge distances from wheel to object, and to stop at a finish line. The speed at which a driver should operate the apparatus is optional, but it should be great enough to necessitate quick judgment. This exercise is to be performed both forward and in reverse with a spotter. The candidate shall demonstrate the ability to use mirrors and judge vehicle clearance while successfully maneuvering through clearances/openings without striking obstacles.

EQUIPMENT: Barricades/course markers (traffic cones/pylons, marking ribbon, etc.), department policies and procedures (SOP/SOG), fire apparatus, vertical prop with a crossbar that is adjustable, based on the vehicle height, and radio unit.

CONDITIONS: Given a fire department apparatus, a spotter, and a course that requires the operator to move through areas of restricted horizontal and vertical clearances, the candidate shall demonstrate the ability to:

No.	TASK STEPS	TEST		RETEST 1		RETEST 2	
		P	F	P	F	P	F
1.	Check and adjust the driver’s seat	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	Check and adjust vehicle mirrors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.	Fasten seatbelt prior to placing the vehicle in motion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.	Maneuver the pumper forward through the diminishing clearance exercise without striking horizontal or vertical obstructions.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.	Keep the fire apparatus within course boundaries	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.	Perform all vehicle operations in a safe manner	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

Comments:	

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

<i>Certifying Officer Signature</i>	

<p align="center"><u>Overall Skill Sheet Result:</u></p> <p align="center">Pass (P): <input type="checkbox"/> Fail (F): <input type="checkbox"/></p>
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AFSC DRIVER OPERATOR PRACTICAL SKILLS EVALUATION PACKET

STANDARD: NFPA 1002: 4.3.5(B)

SKILL AREA: Diminishing Clearance Exercise

A.4.3.5: The diminishing clearance exercise measures a driver's ability to steer the apparatus in a straight line, to judge distances from wheel to object, and to stop at a finish line. The speed at which a driver should operate the apparatus is optional, but it should be great enough to necessitate quick judgment. This exercise is to be performed both forward and in reverse with a spotter. The course for this exercise is created by arranging two rows of markers to form a lane 75 ft (22.9 m) long. The lane varies in width from 9 ft 6 in. (2.9 m) to a diminishing clearance of 8 ft 2 in. (2.5 m). The driver should maneuver the apparatus through this lane without touching the markers. The vehicle should be stopped at a finish line 50 ft (15.24 m) beyond the last marker. No portion of the vehicle should protrude beyond this line. Vertical clearance judgment should be evaluated using a prop with a crossbar that is adjustable, based on the vehicle height. During the evaluation, the driver should drive forward and back through the prop with the crossbar at several differing heights, including one that is lower than the top of the vehicle. The prop should not be struck. The intent of the vertical clearance judgment is for proper identification of the furthestmost point in the form of the apparatus. In situations where the apparatus is gaining entry to roadways or limited-height areas, the driver/operator must allow appropriate space ahead of the apparatus in order to avoid striking objects or to avoid extending apparatus into traffic lanes. (See Figure A.4.3.5).

Note that for large vehicles, such as ARFF apparatus, this course might need to be modified.

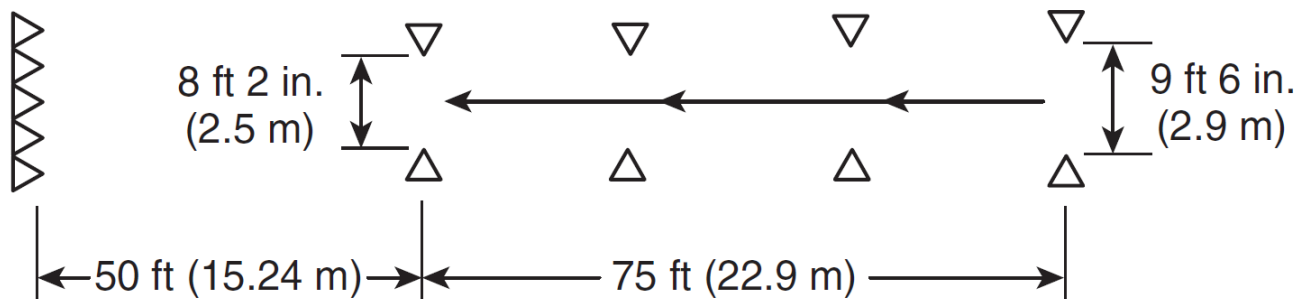


FIGURE A.4.3.5 Diminishing Clearance Exercise.

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AFSC DRIVER OPERATOR PRACTICAL SKILLS EVALUATION PACKET

FIRE APPARATUS DRIVER OPERATOR REQUIRED EQUIPMENT			Related Skill Sheet(s)
<input type="checkbox"/>	1	AHJ forms/reports	All
<input type="checkbox"/>	2	Appropriate personnel protective equipment	All
<input type="checkbox"/>	3	Barricades/course markers (traffic cones/pylons, marking ribbon, etc.)	2-6
<input type="checkbox"/>	4	Maintenance log book/record	1
<input type="checkbox"/>	5	<u>NFPA 1002: Standard for Fire Apparatus Driver/Operator Professional Qualifications</u>	All
<input type="checkbox"/>	6	<u>NFPA 1500:Standards on Occupational Safety and Health Program</u>	All
<input type="checkbox"/>	7	Notebook/Clipboard	1
<input type="checkbox"/>	8	Radio unit	All
<input type="checkbox"/>	9	Standard Operating Procedures (SOP)/Standard Operating Guidelines (SOG)	All
<input type="checkbox"/>	10	Vertical prop with a crossbar that is adjustable, based on the vehicle height	6
<input type="checkbox"/>			
<input type="checkbox"/>			
<input type="checkbox"/>			
<input type="checkbox"/>			

FIRE APPARATUS DRIVER OPERATOR REQUIRED FACILITY/APPARATUS CHECKLIST			Related Skill Sheet(s)
<input type="checkbox"/>	1	Driver course area (minimum 100' X 50')	2-6
<input type="checkbox"/>	2	Fire Apparatus equipped with appropriate safety restraints (seatbelts)	All
<input type="checkbox"/>	3	Maintenance area/fire station bay	1
<input type="checkbox"/>			
<input type="checkbox"/>			
<input type="checkbox"/>			
<input type="checkbox"/>			