Colorado Division of Fire Prevention & Control
Driver Operator Aerial JPRs (NFPA 1002, 2017 Edition)

JPR #	Task	**Initial Certification JPR Requirement:** 14 Mandatory **Renewal JPR Requirement:** 100% of All JPRs *(including all subsections)*
1	Apparatus and tool inspection	Mandatory
2	Apparatus maneuvering on pre-determined route	Mandatory
3	Emergency apparatus to operate	Mandatory
4	Pre-Trip Inspection	Mandatory
5	Alley dock or apparatus station parking exercise	Mandatory
6	Serpentine exercise	Mandatory
7	Confined space turn-around exercise	Mandatory
8	Diminishing clearance exercise	Mandatory
9	Apparatus stabilization	Mandatory
10a	Operating aerial equipment / victim rescue	Random of 10 a, b, c
10b	Operating aerial equipment / roof operations	Random of 10 a, b, c
10c	Operating aerial equipment / elevated fire attack	Random of 10 a, b, c
11	Reserved for future use	
12a	Operating equipment / exposure protection	Random of 12 a, b
12b	Operating aerial equipment / elevated fire attack	Random of 12 a, b
13	Operating aerial equipment / emergency operating system	Mandatory

14	Operating aerial equipment / return to service	Mandatory
15	Routine Test	Mandatory

DO-AERIAL
JPR: DOA-1

Candidate: _____

STANDARD: 5.1.2, 4.2.1 **NFPA 1002, 2017** **General Requirements**	**TASK:** Perform and document routine tests, inspections, and service functions on the systems and components specified in the following list, given a fire department pumper and its manufactures specifications, so that the operational status of the vehicle is verified.
PERFORMANCE OUTCOME:	The ability to use hand tools, recognize system problems and correct any deficiency noted, with completed departmental forms, according to policies and procedures of Authority Having Jurisdiction. **The Authority Having Jurisdiction will administer this JPR prior to the candidate participating in the Driver/Operator Aerial Practical.** **On the day of the practical the Proctor will choose two Task Steps to be demonstrated by the candidate; one of which will be a piece of equipment from task step # 11.** **Safety: A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.**
EQUIPMENT REQUIRED: A fully equipped fire department aerial apparatus, the appropriate equipment to complete the assigned tasks and access to department policies, procedures and related forms.*	
CONDITIONS: The candidate will successfully complete 100% of all elements of the assigned task steps.	

No.	Task Steps	✓
1.	Battery (ies)	
2.	Braking systems	
3.	Coolant systems	
4.	Electrical systems	
5.	Fuel	
6.	Hydraulic fluid	
7.	Oil	
8.	Tires	
9.	Steering system	
10.	Belts	
11.	Tools, appliances and equipment	
12.	Perform a routine inspection on Water tank and other extinguishing agent levels in accordance with policies and procedures of Authority Having Jurisdiction. (if applicable)	
13.	Perform a routine inspection on pumping systems in accordance with policies and procedures of Authority Having Jurisdiction.	
14.	Perform a routine inspection on Foam systems in accordance with policies and procedures of Authority Having Jurisdiction. (if applicable)	

***Authority Having Jurisdiction will make apparatus check off sheets available for the visual check of the vehicle per their department policies and procedures. The candidate will be allowed to use these sheets while performing this JPR.**

Proctor (Print & Sign) _____ **Date:** _____

DO-AERIAL
JPR: DOA-2

Candidate: _____

STANDARD: 4.3.1 **NFPA 1002, 2017** **General Requirements**	**TASK:** Operate a fire department aerial apparatus, given a vehicle and a predetermined route on a public roadway that incorporates the maneuvers and features specified in the following list that the driver/operator is expected to encounter during normal operations, so that the vehicle is safely operated in compliance with all applicable state and local laws, department rules and regulations, and the requirements of NFPA 1500, Standard on Fire Department Occupational Safety and Health Program, Section 4.2.
PERFORMANCE OUTCOME:	Using a predetermined route provided by the Authority Having Jurisdiction the candidate will 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. **The Authority Having Jurisdiction will administer this JPR prior to the candidate participating in the Driver/Operator Aerial Practical.** **Safety: A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.**
EQUIPMENT REQUIRED: A fully equipped fire department aerial apparatus, the appropriate equipment to complete the assigned tasks and access to department policies and procedures.	
CONDITIONS: The candidate will successfully complete 100% of all elements of the assigned task steps.	

No.	Task Steps	✓
1.	Four left turns	
2.	Four right turns	
3.	A straight section of urban business street or a two-lane rural road at least 1 mile in length	
4.	One through-intersection and two intersections where a stop has to be made	
5.	One Railroad crossing	
6.	One curve, either left or right	
7.	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	
8.	A downgrade steep enough and long enough to require downshifting and braking	
9.	An upgrade steep enough and long enough to require gear changing to maintain speed	
10.	One underpass or a low clearance or bridge	

A-4.3.1

The maneuvers and features specified for this job performance requirement include driving situations that the committee has determined to be essential. The committee recognizes that each of these situations might not exist in all areas. Where this occurs, those specific requirements can be omitted.

_____ _____

Evaluator **(Print & Sign)** **Date:**

DO-AERIAL
JPR: DOA-3

Candidate: _____

STANDARD: 4.3.6, A.4.3.6 **NFPA 1002, 2017** **General Requirements**	**Task:** Operate a vehicle using defensive driving techniques, given a fire department aerial apparatus, so that control of the vehicle is maintained. Simulated emergency driving conditions should be restricted to a controlled area. Public ways should not be used for these activities.
PERFORMANCE OUTCOME:	The candidate will demonstrate the ability to operate passenger restraint devices, maintain safe following distances, maintain control of the vehicle while accelerating, decelerating, and turning, maintain reasonable speed for road, weather, and traffic conditions, operate safely during emergency conditions, operate under adverse environmental or driving surface conditions, and use automotive gauges and controls. **The Authority Having Jurisdiction will administer this JPR prior to the candidate participating in the Driver/Operator Aerial Practical. The AHJ will ensure that the candidate has prerequisite knowledge, skills, and training as outlined in NFPA Standard 4.3.6 2017 Edition.** **Safety: A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.**
EQUIPMENT REQUIRED: A fire department aerial apparatus, the appropriate equipment to complete the assigned tasks and access to department policies, procedures and related forms	
CONDITIONS: The candidate will successfully complete 100% of all elements of the assigned task steps.	

No.	Task Steps	✓
1.	Wearing Seatbelt	
2.	Operate passenger restraint devices	
3.	Maintain safe following distances	
4.	Maintain reasonable speed for road, weather, and traffic conditions	
5.	Operate safely during simulated emergent conditions	
6.	Operate under adverse environmental or driving surface conditions	
7.	Use automotive gauges and controls	

***Authority Having Jurisdiction will maintain any documentation to verify that these duties have been performed.**

_____ _____

Evaluator (Print & Sign) **Date:**

DO-AERIAL
JPR: DOA-4

Candidate: _____

STANDARD: 4.3.7 **NFPA 1002, 2017** **General Requirements**	**Task:** Using the Pre-trip Apparatus Safety Inspection provided in the following task steps the fire apparatus driver/operator, given a fire department aerial apparatus, shall demonstrate ability to prepare the vehicle to be driven.
PERFORMANCE OUTCOME:	Prior to starting the fire department vehicle the candidate will perform a Pre-trip Apparatus Safety Inspection in order to prepare himself and the vehicle to safely drive and operate a through the approved cone course designated in JPR's 5, 6, 7, & 8. **On the day of the practical, the Proctor will choose two Task Steps from JPR #1 to be demonstrated by the candidate; one of which will be a piece of equipment from task step # 11.** **Safety: A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.**
EQUIPMENT REQUIRED: A fire department aerial apparatus, the appropriate equipment to complete the assigned tasks and access to department policies, procedures and related forms.	
CONDITIONS: The candidate will successfully complete 100% of all elements of the assigned task steps.	

No.	Task Steps	✓
1.	The candidate will ensure that all equipment and compartment doors are secured prior to entering the vehicle	
2.	Check and adjust the driver's seat	
3.	Check and adjust vehicle mirrors	
4.	Fasten seatbelt prior to placing the vehicle in motion	

Proctor (Print & Sign) _____ **Date:** _____

DO-AERIAL
JPR: DOA-5

Candidate: _____

STANDARD: 4.3.2, A.4.3.2 **NFPA 1002, 2017** **General Requirements**	**Task:** Perform the Alley Dock or Apparatus Station Parking Procedural Drill practical driving exercise. Given a fire department aerial apparatus and a spotter for safety perform the exercise safely without striking any obstructions.
PERFORMANCE OUTCOME:	4.3.2 Back a vehicle from a roadway into restricted spaces on both the right and left sides of the vehicle, given a fire department vehicle, a spotter, and restricted spaces 12 ft 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 having to stop and/or pull forward and without striking obstructions. (Alley Dock or Apparatus Station Parking Procedural Drill) **Safety: A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.**
EQUIPMENT AND SPOTTER REQUIREMENT: A fire department aerial apparatus, the appropriate equipment to complete the assigned tasks and access to department policies, procedures and related forms. This exercise is designed to test the candidates' ability to maneuver the apparatus through the course without assistance from a backer. The proctor/spotter will position behind the apparatus during any backing exercise. The proctor/spotter will not direct the driver into position but is there to ensure that the apparatus does not come in contact with any objects.	
CONDITIONS: The candidate will successfully complete 100% of all elements of the assigned task steps. Either the Alley Dock or Apparatus Station Parking Drill can be used regardless of the type of apparatus being used for this test.	

No.	Task Steps	✓
	CIRCLE ONE: Alley Dock Apparatus Station Parking	
1.	From the right side, back the apparatus into the restricted space without having to stop and/or pull forward. Perform this task without striking obstructions.	
2.	From the left side, back the apparatus into the restricted space without having to stop and/or pull forward. Perform this task without striking obstructions.	
3.	Do not allow any part of the apparatus to come in contact with or cross over the course boundary markers regardless of direction of travel, i.e. bumpers, aerial device, etc.	

Proctor (Print & Sign) _____ **Date:** _____

DO-AERIAL
JPR: DOA-5
Option 1: Alley Dock

See attached NFPA Appendix & Figure A-4.3.2 (a) & (b) for instructions and dimensions.

A-4.3.2

The alley dock exercise can be used as practice for or in the evaluation of this requirement. This 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 a barricade 40 ft (12.2 m) from a boundary line. These barricades should be 12 ft (3.66 m) apart, and the length should be 20 ft (6.1 m) minimum.

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.

No portion of the vehicle should extend over the boundary lines or come in contact with the boundary markers regardless of direction of travel. [See Figure A-4.3.2(a)].

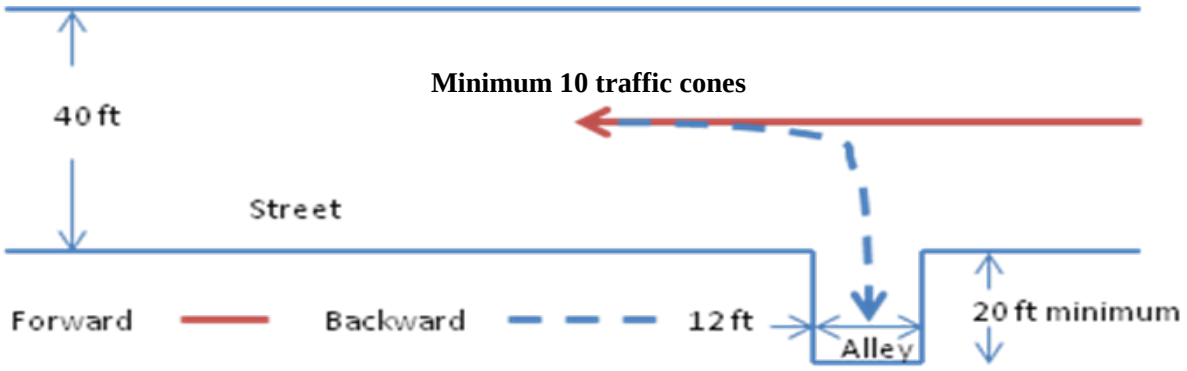

Figure A-2-3.2 (a) Alley Dock Exercise

DO-AERIAL
JPR: DOA-5
Option 2: Apparatus Station Parking

See attached NFPA Appendix & Figure A-4.3.2 (a) & (b) for instructions and dimensions.

The apparatus station parking maneuver can also be used as practice for or in the evaluation of this requirement. This 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 (3.66 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 bay depth distance is determined by the total length of the vehicle plus 10 ft. [See Figure A-4.3.2 (b)].

NOTE: This course may need to be modified for large vehicles such as ARFF and/or Aerial apparatus.

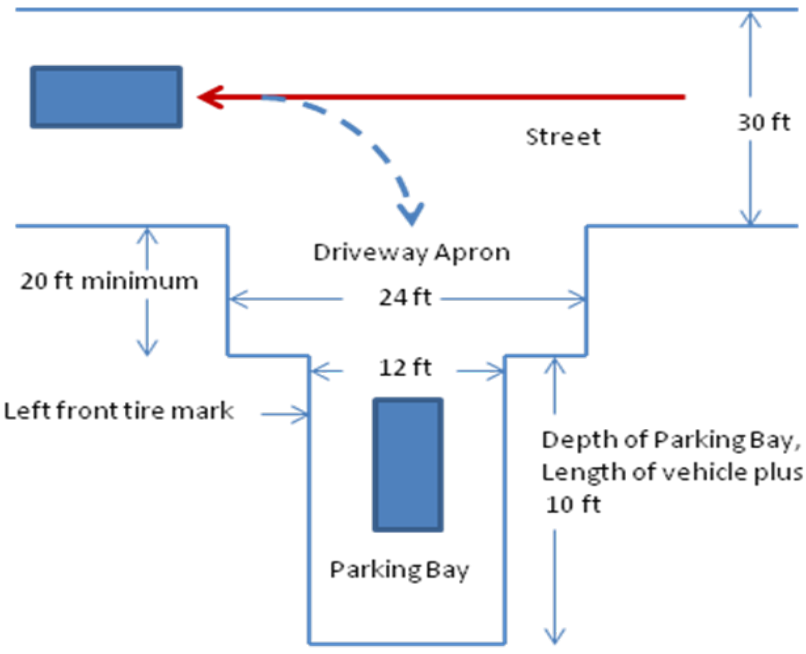

Figure A-2-3 (b) Station Parking Procedure Drill

(Minimum 14 Traffic cones)

DO-AERIAL
JPR: DOA-6

Candidate: _____

STANDARD: 4.3.3, A.4.3.3 **NFPA 1002, 2017** **General Requirements**	**Task:** Perform the Serpentine practical driving exercise. Given a fire department aerial apparatus and a spotter for safety perform the exercise safely without striking any obstructions.
PERFORMANCE OUTCOME:	4.3.3 Maneuver a vehicle around obstructions on a roadway while moving forward and in reverse, given a fire department aerial apparatus, spotter for backing, and a roadway for obstructions, so that the vehicle is maneuvered through the obstacle without stopping and/or changing the direction of travel and without striking the obstructions. (Serpentine Exercise) **Safety: A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.**
EQUIPMENT AND SPOTTER REQUIREMENT: A fire department aerial apparatus, the appropriate equipment to complete the assigned tasks and access to department policies, procedures and related forms. This exercise is designed to test the candidates' ability to maneuver the apparatus through the course without assistance from a backer. The proctor/spotter will position behind the apparatus during any backing exercise. The proctor/spotter will not direct the driver into position but is there to ensure that the apparatus does not come in contact with any objects.	
CONDITIONS: The candidate will successfully complete 100% of all elements of the assigned task steps.	

No.	Task Steps	✓
1.	Drive the apparatus forward on the left side of the center cones.	
2.	In reverse gear, back/maneuver the apparatus around obstructions without stopping and/or changing direction of travel. Perform this task without striking obstructions.	
3.	Maneuver the apparatus forward around obstructions without stopping and/or changing direction of travel. Perform this task without striking obstructions.	
4.	Do not allow any part of the apparatus to come in contact with or cross over the course boundary markers regardless of direction of travel, i.e. bumpers, aerial device, etc.	

Proctor (Print & Sign) _____ **Date:** _____

DO-AERIAL
JPR: DOA-6
Serpentine Exercise

See attached NFPA Appendix & Figure A-4.3.3 for instructions and dimensions.

Notes:
For setting course boundaries on both sides of the markers, measure 20 feet from the center of the center marker cones for a total width of 40 feet.

Center marker cone spacing should be based on the chart below. Adjustment may be necessary due to turning radius/capability of the apparatus being used for testing. Regardless of the vehicle wheel base the minimum cone spacing can be no less than 30 feet.

This course may need to be modified for large vehicles such as ARFF and/or Aerial apparatus.

A-4.3.3 Serpentine Exercise

The serpentine exercise can be used as practice for or in the evaluation of this requirement. 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 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) to 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 back 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.)*

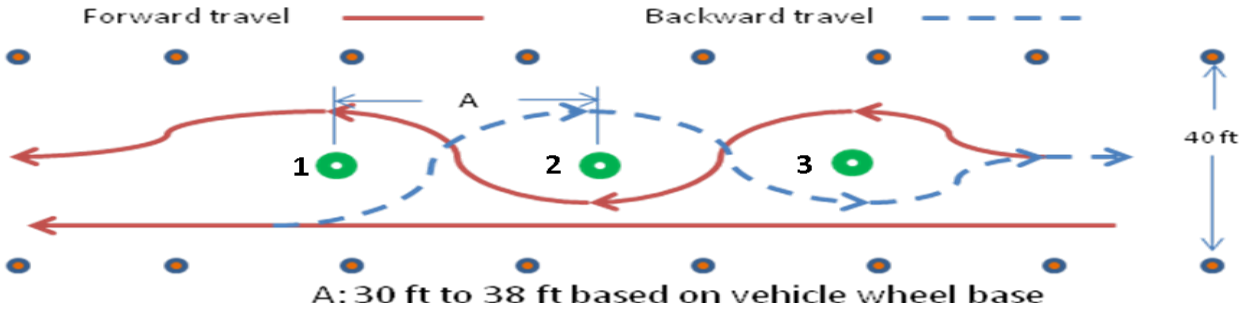

Figure A-4.3.3 Serpentine Exercise.
(Minimum 9 traffic cones) **Copyright NFPA**

Wheel Base	Cone Spacing
15'	30'
16'	32'
17'	34'
18'	36'
19'	38'

DO-AERIAL
JPR: DOA-7

Candidate: _____

STANDARD: 4.3.4, A.4.3.4 **NFPA 1002, 2017** **General Requirements**	**Task:** Perform the Turn Around Exercise practical driving exercise. Given a fire department aerial apparatus and a spotter for safety perform the exercise safely without striking any obstructions.
PERFORMANCE OUTCOME:	4.3.4* Turn a fire department vehicle 180 degrees within a confined space, given a fire department aerial apparatus, a spotter for backing, 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. (Turn Around Exercise) **Safety: A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.**
EQUIPMENT AND SPOTTER REQUIREMENT: A fire department aerial apparatus, the appropriate equipment to complete the assigned tasks and access to department policies, procedures and related forms. This exercise is designed to test the candidates' ability to maneuver the apparatus through the course without assistance from a backer. The proctor/spotter will position behind the apparatus during any backing exercise. The proctor/spotter will not direct the driver into position but is there to ensure that the apparatus does not come in contact with any objects.	
CONDITIONS: The candidate will successfully complete 100% of all elements of the assigned task steps.	

No.	Task Steps	✓
1.	Turn the apparatus 180 degrees within a confined space, without striking obstructions.	
2.	Do not allow any part of the apparatus to come in contact with or cross over the course boundary markers regardless of direction of travel, i.e. bumpers, aerial device, etc.	

Proctor (Print & Sign) _____ **Date:** _____

DO-AERIAL
JPR: DOA-7
Turn Around Exercise

See attached NFPA Appendix & Figure A-4.3.4 for instructions and dimensions.

The confined space turnaround can be used as practice for or in the evaluation of this requirement. This 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 x 100 ft *(15.25* m x *30.5* m). The driver moves into the area from a 12 ft *(3.66-m)* opening in the center of one of the 50 ft *(15.25-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: This course may need to be modified for large vehicles such as ARFF or Aerial apparatus. Adjustments cannot exceed more than 15' of the overall length of the apparatus (i.e. the course dimensions for an apparatus with a 45' overall length can adjust to 60' x 100'.

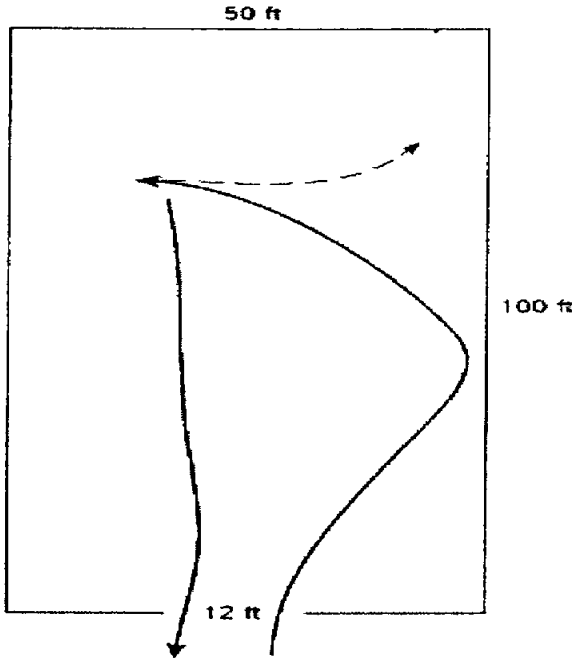

Figure A-4.3.4 Confined space turnaround.

(Minimum 12 Traffic cones) **Copyright NFPA**

DO-AERIAL
JPR: DOA-8

Candidate: _____

STANDARD: 4.3.5, A.4.3.5 **NFPA 1002, 2017** **General Requirements**	**Task:** Perform the Diminishing Clearance Exercise practical driving exercise. Given a fire department apparatus and a spotter for safety perform the exercise safely without striking any obstructions.
PERFORMANCE OUTCOME:	4.3.5 Maneuver a fire department vehicle in areas with restricted horizontal clearances, given a fire department vehicle and a course that requires the operator to move forward and in reverse through areas of restricted horizontal clearances, so that the operator accurately judges the ability of the vehicle to pass through the openings and so that no obstructions are struck. After completing the course in a forward motion, candidate will reposition at the entrance gate, back the apparatus through the diminishing clearance, and stop at the finsh line 50' beyond the last marker. (Diminishing Clearance Exercise). **Safety: A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.**
EQUIPMENT AND SPOTTER REQUIREMENT: A fire department vehicle, the appropriate equipment to complete the assigned tasks and access to department policies, procedures and related forms. This exercise is designed to test the candidates' ability to maneuver the apparatus through the course without assistance from a backer. The proctor/spotter will position behind the apparatus during any backing exercise. The proctor/spotter will not direct the driver into position but is there to ensure that the apparatus does not come in contact with any objects.	
CONDITIONS: The candidate will successfully complete 100% of all elements of the assigned task steps.	

No.	Task Steps	✓
1.	Maneuver the apparatus forward and in reverse through the diminishing clearance exercise without striking obstructions.	
2.	Do not allow any part of the apparatus to come in contact with or cross over the course boundary markers regardless of direction of travel, i.e. bumpers, aerial device, etc.	

Evaluator (Print & Sign) _____ **Date:** _____

DO-AERIAL
JPR: DOA-8
Diminishing Clearance Exercise

See attached Appendix and Figure A-4.3.5 for instructions and dimensions.

A-4.3.5 The diminishing clearance exercise can be used as practice for or in the evaluation of this requirement. This 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 in a forward motion and in reverse with cone spotters in place**. 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 *(15.25 m)* beyond the last marker. No portion of the vehicle should protrude beyond the finish line. *(See Figure A-4.3.5.)*

NOTE:

Regardless of vehicle width, 8'2" is the minimum dimension to be used at the exit gate.

Not all apparatus will fit in the dimensions given below. The candidate (prior to the test date) and the proctor (prior to the start of the test) should measure from tire bulge to tire bulge of both the front and rear axle widths of the apparatus being used for testing. Use the measurement of the widest axle plus 4" to mark the narrowest portion of the course. This will allow the tires to pass with 2" clearance on each side. All other lane markers used to diminish the course will need to be adjusted accordingly. **After completing the course in a forward motion, candidate will reposition at the entrance gate, back the apparatus through the diminishing clearance, and stop at the finsh line 50' beyond the last marker. The apparatus should be stopped within a reasonable distance (3'-5') from the finish line cones. The intent of the JPR is to know where the front, back, and sides of the apparatus are in relation to an object.**

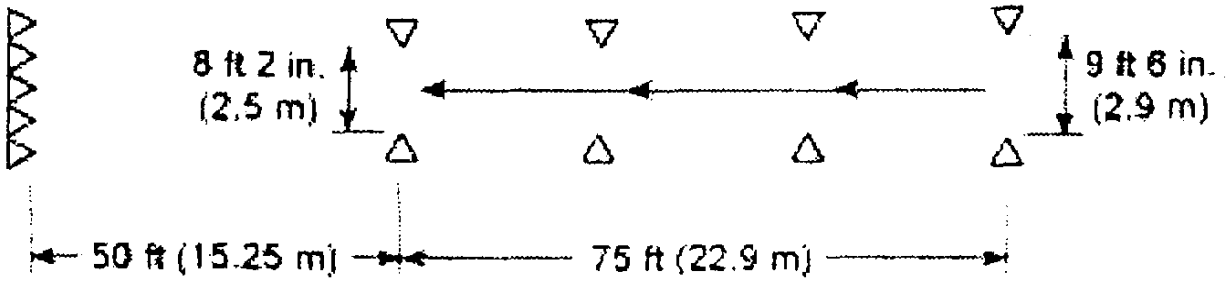

Figure A-4.3.5 Diminishing clearance exercise.

(Minimum 10 Traffic cones)

DO-AERIAL
JPR: DOA-9

Candidate: _____

STANDARD: 6.2.1, 6.2.2 **NFPA 1002, 2017** **General Requirements**	**TASK:** Stabilize an aerial apparatus, given a properly positioned vehicle and the manufacturer's recommendations, so the power can be transferred to the aerial device hydraulic system and the device can be safely deployed.
PERFORMANCE OUTCOME:	The candidate must demonstrate the ability to transfer power from the vehicles engine to the hydraulic system and operate vehicle stabilization devices. **Safety: A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.**
EQUIPMENT REQUIRED: A fully equipped fire department aerial apparatus, the appropriate equipment to complete the assigned task and access to department policies, and procedures.	
CONDITIONS: Aerial apparatus hydraulic systems, manufacture's specification stabilization requirements, and effects of topography and ground condition on safe stabilization are requisite knowledge and must be adhered to. The candidate will successfully complete 100% of all elements of the assigned task steps.	

No.	Task Steps	✓
1.	Ensure the apparatus placement is appropriate for the assigned task.	
2.	Set the parking brake.	
3.	Place transmission selector in the appropriate gear recommended by the manufacturer.	
4.	Activate the PTO system.	
5.	Place the transmission selector in the appropriate gear recommended by the manufacture for the assigned task.	
6.	Check for overhead obstructions and ensure proper apparatus placement.	
7.	Chock both in front of and behind the tire, of the appropriate wheel(s) on both sides of the apparatus. (Based on manufacturer's recommendation)	
8.	Check the expected travel path of the stabilizers for obstructions and/or limiting factors.	
9.	Check the ground surface for stability and proper conditions.	
10.	Deploy and properly place the stabilizer ground pads.	
11.	Properly deploy the stabilizers.	
12.	Raise the apparatus to its working position, as close to level as possible.	
13.	Lock the stabilizers by manufacturer's recommendations (holding valves, interlock feature, safety pins, or combination of features).	

Proctor (Print & Sign) _____ **Date:** _____

DO-AERIAL
JPR: DOA-10a

Candidate: _____

STANDARD: 6.2.3 **NFPA 1002, 2017** **General Requirements**	**TASK:** Maneuver and position the aerial device from each control station, given an incident location, a situation description, and an assignment, so that the aerial device is properly positioned to safely accomplish the **victim rescue** assignment.
PERFORMANCE OUTCOME:	The ability to raise, rotate, extend, and position to a specified location and the ability to lock, unlock, retract, lower, and bed the aerial device. The aerial apparatus operator will properly raise and position the aerial device to perform a victim rescue from the ____ window from the left/right of the _____ floor of a multiple story building on the _____ side. The wind is out of the _____ at _____mph. **Safety: A safety violation is grounds for automatic failure.**
EQUIPMENT REQUIRED: A fully equipped fire department aerial apparatus, the appropriate equipment to complete the assigned task and access to department policies, and procedures.	
CONDITIONS: Knowledge of aerial device hydraulic systems, hydraulic pressure relief systems, gauges and controls, cable systems, communication systems, electrical systems, emergency operating systems, locking systems, manual rotation and lowering systems, system overrides, safe operation limitations of the given aerial device, safety procedures specific to the device, and operations near electrical hazards and overhead obstructions. The candidate will successfully complete 100% of all elements of the assigned task steps.	

No.	Task Steps	✓
1.	Release the hold down locks. (if applicable)	
2.	Ensure all safety devices are in place and are properly used by the operator. (slide-out platforms, safety chains, guardrails, dead-man switches, etc)	
3.	Check the intended path of the aerial device for obstructions. (overhead, ladder cradle, cabinetry, accessories, personnel, etc)	
4.	Elevate - the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application to the desired height for the intended target.	
5.	Rotate - the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application until the tip of the device is inline with the intended target.	
6.	Extend - the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application slightly above the intended target.	
7.	Lower - the aerial device to the objective according to department SOP's and manufacturers specifications.	
8.	Align aerial device ladder rungs.	
9.	Refers to aerial load chart for proper ladder and tip loads.	
10.	Clears firefighters to safely climb the aerial ladder.	

Continue to next JPR Sheet without shutting down

Proctor **(Print & Sign)** _____ **Date:** _____

DO-AERIAL
JPR: DOA-10b

Candidate: _____

STANDARD: 6.2.3 **NFPA 1002, 2017** **General Requirements**	**TASK:** Maneuver and position the aerial device from each control station, given an incident location, a situation description, and an assignment, so that the aerial device is properly positioned to safely accomplish the **roof operations** assignment.

PERFORMANCE OUTCOME: The ability to raise, rotate, extend, and position to a specified location and the ability to lock, unlock, retract, lower, and bed the aerial device. The aerial device operator will properly raise and position the aerial device to perform roof operations. The aerial device will be positioned on the _____ side of a multiple story building allowing firefighters to carry and/or deliver equipment and/or personnel to the roof for ventilation.

Safety: A safety violation is grounds for automatic failure.

EQUIPMENT REQUIRED: A fully equipped fire department aerial apparatus, the appropriate equipment to complete the assigned task and access to department policies, and procedures.

CONDITIONS: Knowledge of aerial device hydraulic systems, hydraulic pressure relief systems, gauges and controls, cable systems, communication systems, electrical systems, emergency operating systems, locking systems, manual rotation and lowering systems, system overrides, safe operation limitations of the given aerial device, safety procedures specific to the device, and operations near electrical hazards and overhead obstructions. The candidate will successfully complete 100% of all elements of the assigned task steps.

No.	Task Steps	✓
1.	Release the hold down locks. (if applicable)	
2.	Ensure all safety devices are in place and are properly used by the operator. (slide-out platforms, safety chains, guardrails, dead-man switches, etc)	
3.	Check the intended path of the aerial device for obstructions. (overhead, ladder cradle, cabinetry, accessories, personnel, etc)	
4.	Elevate - the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application to the desired height for the intended target.	
5.	Rotate - the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application until the tip of the device is inline with the intended target.	
6.	Extend - the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application slightly above the intended target.	
7.	Lower - the aerial device to the objective according to department SOP's and manufacturers specifications.	
8.	Align aerial device ladder rungs.	
9.	Refers to aerial load chart for proper ladder and tip loads.	
10.	Clears firefighters to safely climb the aerial ladder.	

Continue to next JPR Sheet without shutting down

Proctor **(Print & Sign)** _____ **Date:** _____

DO-AERIAL
JPR: DOA-10c

Candidate: _____

STANDARD: 6.2.3 **NFPA 1002, 2017** **General Requirements**	**TASK:** Maneuver and position the aerial device from each control station, given an incident location, a situation description, and an assignment, so that the aerial device is properly positioned to safely accomplish the assignment.
PERFORMANCE OUTCOME:	The ability to raise, rotate, extend, and position to a specified location and the ability to lock, unlock, retract, lower, and bed the aerial device. The aerial apparatus operator will properly raise and position the aerial device to perform window ventilation from the _____ window from the left/right of the _____ floor of a multiple story building on the _____ side. The wind is out of the _____ at _____mph. **Safety: A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.**
EQUIPMENT REQUIRED: A fully equipped fire department aerial apparatus, the appropriate equipment to complete the assigned task and access to department policies, and procedures.	
CONDITIONS: Knowledge of aerial device hydraulic systems, hydraulic pressure relief systems, gauges and controls, cable systems, communication systems, electrical systems, emergency operating systems, locking systems, manual rotation and lowering systems, system overrides, safe operation limitations of the given aerial device, safety procedures specific to the device, and operations near electrical hazards and overhead obstructions. The candidate will complete all assigned tasks.	

No.	Task Steps	✓
1.	Release the hold down locks. (if applicable)	
2.	Ensure all safety devices are in place and are properly used by the operator (slide-out platforms, safety chains, guardrails, dead-man switches, etc).	
3.	Check the intended path of the aerial device for obstructions (overhead, ladder cradle, cabinetry, accessories, personnel, etc).	
4.	Elevate - the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application to the desired height for the intended target.	
5.	Rotate - the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application until the tip of the device is inline with the intended target. (to the upwind side)	
6.	Extend - the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application slightly above the intended target.	
7.	Lower - the aerial device to the objective. (slightly above the window)	
8.	Align aerial device ladder rungs.	
9.	Refers to aerial load chart for proper ladder and tip loads.	
10.	Clears firefighters to safely climb the aerial ladder.	

Proctor (Print & Sign) _____ **Date:** _____

DO-AERIAL
JPR: DOA-11
RESERVED FOR FUTURE USE

Candidate: _____

STANDARD: **NFPA 1002, 2017** **General Requirements**	**TASK:**

PERFORMANCE OUTCOME:

Safety: A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.

EQUIPMENT REQUIRED:

CONDITIONS:

No.	Task Steps	✓
1.		
2.		
3.		
4.		
5.		

Proctor (Print & Sign) _____ **Date:** _____

DO-AERIAL
JPR: DOA-12a

Candidate: _____

STANDARD: 6.2.5 **NFPA 1002, 2017** **General Requirements**	**TASK:** Deploy and operate an elevated master stream, given a master stream device and a desired flow, so that the stream is effective and the device is operated safely.
PERFORMANCE OUTCOME:	The ability to connect a water supply to a master stream device and control an elevated nozzle manually or remotely. The aerial apparatus operator will first explain and demonstrate the proper procedures to manually operate the nozzle on the waterway. After connecting an adequate water supply, the aerial operator will demonstrate the proper procedures to safely raise the aerial device and position the waterway to flow _____ gpm using an _____ inch smooth bore nozzle/fog nozzle, _____ feet in elevation with the ladder extended to _____ feet in a defensive firefighting mode. The aerial operator must calculate and flow the correct pump pressure for the situation described. **Safety: A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.**
EQUIPMENT REQUIRED: A fully equipped fire department aerial apparatus, the appropriate equipment to complete the assigned task and access to department policies, and procedures.	
CONDITIONS: Nozzle reaction, range of motion, and weight limitations. The candidate will complete all assigned tasks.	

No.	Task Steps	✓
1.	Explain and demonstrate how to manually rotate the nozzle from side to side.	
2.	Explain and demonstrate how to manually raise and lower the nozzle.	
3.	Explain and demonstrate how to manually adjust the spray pattern of the nozzle.	
4.	Demonstrate how to change from a fog nozzle to a smooth bore tip with/without a stream straightener. (Select the appropriate nozzle for the assigned task)	
5.	Demonstrate how to attach a portable ladder pipe/hose line, or adjust pinable waterway in the appropriate position. (if applicable)	
6.	Connect an adequate water supply to the proper water inlet. (as per department SOP's and manufacturers specifications)	
7.	Release the hold down locks. (if applicable)	
8.	Ensure all safety devices are in place and are properly used by the operator. (slide-out platforms, safety chains, guardrails, dead-man switches, etc)	
9.	Check the intended path of the aerial device for obstructions (overhead, ladder cradle, cabinetry, accessories, personnel, etc).	
10.	Elevate - the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application to the desired height for the intended target.	

11.	Rotate - the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application until the tip of the device is inline with the intended target.	
12.	Extend - the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application.	
13.	Refers to aerial load chart for proper ladder and tip loads for water flow.	
14.	Smoothly opens waterway discharge valve with minimal stress and movement of the aerial device and waterway.	
15.	Discharges the correct gpm for the assigned task at ____ psi pump pressure.	
16.	Smoothly closes waterway discharge valve with minimal stress and movement of the aerial device and waterway.	
17.	Disengages pump	
18.	Close and disconnect water supply from fire apparatus.	
19.	Opens waterway drain to drain waterway pipe completely prior to repositioning the ladder.	
20.	Retract, rotate, and lower aerial device.	
21.	Disassemble any portable ladder pipe, hoseline, and/or return waterway pin to its stowed position.	
22.	Returns the proper nozzle (as per department SOP's) onto the aerial monitor and places the monitor in its correct stowed position.	
23.	Properly bed the aerial device.	

Continue to next JPR Sheet without shutting down

Proctor (Print & Sign) **Date:**

DO-AERIAL
JPR: DOA-12a
Candidate Work Sheet

Candidate: _____

STANDARD: 5.2.1 **NFPA 1002, 2017** **General Requirements**	**TASK: Deploy and operate an elevated master stream, given a master stream device and a desired flow, so that the stream is effective and the device is operated safely.**

PERFORMANCE OUTCOME:

The ability to connect a water supply to a master stream device and control an elevated nozzle manually or remotely. The aerial apparatus operator will first explain and demonstrate the proper procedures to manually operate the nozzle on the waterway. After connecting an adequate water supply, the aerial operator will demonstrate the proper procedures to safely raise the aerial device and position the waterway to flow _____ gpm using an _____ inch smooth bore nozzle/fog nozzle, _____ feet in elevation with the ladder extended to _____ feet in a defensive firefighting mode. The aerial operator must calculate and flow the correct pump pressure for the situation described.

Safety: A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.

Candidate Work Area

Write Answer
PDP=

Proctor (Print & Sign) _____ **Date:** _____

DO-AERIAL
JPR: DOA-12b

Candidate: _____

STANDARD: 6.2.5 **NFPA 1002, 2017** **General Requirements**	**TASK:** Deploy and operate an elevated master stream, given a master stream device and a desired flow, so that the stream is effective and the device is operated safely.
PERFORMANCE OUTCOME:	The ability to connect a water supply to a master stream device and control an elevated nozzle manually or remotely. The aerial apparatus operator will first explain and demonstrate the proper procedures to manually operate the nozzle on the waterway. After connecting an adequate water supply, the aerial operator will demonstrate the proper procedures to safely raise the aerial device and position the waterway to flow _____ gpm using a _____ inch smooth bore nozzle/fog nozzle, to the _____ floor window on the _____ side of the building for an offensive/defensive firefighting mode. The aerial operator must calculate and flow the correct pump pressure for the situation described. **Safety: A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.**
EQUIPMENT REQUIRED: A fully equipped fire department aerial apparatus, the appropriate equipment to complete the assigned task and access to department policies, and procedures.	
CONDITIONS: Nozzle reaction, range of motion, and weight limitations. The candidate will complete all assigned tasks.	

No.	Task Steps	✓
1.	Explain and demonstrate how to manually rotate the nozzle from side to side.	
2.	Explain and demonstrate how to manually raise and lower the nozzle.	
3.	Explain and demonstrate how to manually adjust the spray pattern of the nozzle.	
4.	Demonstrate how to change from a fog nozzle to a smooth bore tip with/without a stream straightener. **(Select the appropriate nozzle for the assigned task)**	
5.	Demonstrate how to attach a portable ladder pipe/hose line, or adjust pinable waterway in the appropriate position. (if applicable)	
6.	Connect an adequate water supply to the proper water inlet. (as per department SOP's and manufacturers specifications)	
7.	Release the hold down locks. (if applicable)	
8.	Ensure all safety devices are in place and are properly used by the operator. (slide-out platforms, safety chains, guardrails, dead-man switches, etc)	
9.	Check the intended path of the aerial device for obstructions (overhead, ladder cradle, cabinetry, accessories, personnel, etc).	
10.	Elevate - the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application to the desired height for the intended target.	

11.	Rotate - the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application until the tip of the device is inline with the intended target.	
12.	Extend - the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application.	
13.	Position proper nozzle placement for the assigned task.	
14.	Adjust nozzle angle for the assigned task	
15.	Refers to aerial load chart for proper ladder and tip loads	
16.	Smoothly opens waterway discharge valve with minimal stress and movement of the aerial device and waterway.	
17.	Discharges the correct gpm for the assigned task at ____ psi pump pressure.	
18.	Smoothly closes waterway discharge valve with minimal stress and movement of the aerial device and waterway.	
19.	Disengages Pump	
20.	Close and disconnect water supply from fire apparatus.	
21.	Opens waterway drain to drain waterway pipe completely prior to repositioning the ladder.	
22.	Retract, rotate, and lower aerial device.	
23.	Disassemble any portable ladder pipe, hoseline, and/or return waterway pin to its stowed position.	
24.	Returns the proper nozzle (as per department SOP's) onto the aerial monitor and places the monitor in its correct stowed position.	
25.	Properly bed the aerial device.	

Continue to next JPR Sheet without shutting down

Proctor (Print & Sign) **Date:**

DO-AERIAL
JPR: DOA-12b
Candidate Work Sheet

Candidate: _____

STANDARD: 5.2.1 **NFPA 1002, 2017** **General Requirements**	**TASK: Deploy and operate an elevated master stream, given a master stream device and a desired flow, so that the stream is effective and the device is operated safely.**

PERFORMANCE OUTCOME:

The ability to connect a water supply to a master stream device and control an elevated nozzle manually or remotely. The aerial apparatus operator will first explain and demonstrate the proper procedures to manually operate the nozzle on the waterway. After connecting an adequate water supply, the aerial operator will demonstrate the proper procedures to safely raise the aerial device and position the waterway to flow _____ gpm using a _____ inch smooth bore nozzle/fog nozzle, to the _____ floor window on the _____ side of the building for an offensive/defensive firefighting mode. The aerial operator must calculate and flow the correct pump pressure for the situation described.

Safety: A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.

Candidate Work Area

Write Answer
PDP=

Proctor (Print & Sign) _____ **Date:** _____

DO-AERIAL
JPR: DOA-13

Candidate: _____

STANDARD: 6.2.4 **NFPA 1002, 2017** **General Requirements**	**TASK:** Lower an aerial device using the emergency operating system, given an aerial device, so that the aerial device is safely lowered to its bedded position.
PERFORMANCE OUTCOME:	The candidate will demonstrate the ability to rotate and position to center, unlock, retract, lower, and bed the aerial device using the emergency operating system. **Safety: A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.**
EQUIPMENT REQUIRED: A fully equipped fire department aerial apparatus, the appropriate equipment to complete the assigned task and access to department policies, and procedures.	
CONDITIONS: Knowledge of aerial device hydraulic systems, hydraulic pressure relief systems, gauges and controls, cable systems, communication systems, electrical systems, emergency operating systems, locking systems, manual rotation and lowering systems, system overrides, safe operation limitations of the given aerial device, safety procedures specific to the device, and operations near electrical hazards and overhead obstructions. The candidate will successfully complete 100% of all elements of the assigned task steps.	

No.	Task Steps	✓
1.	Removed personnel from the aerial ladder (if applicable)	
2.	Drain the waterway system (if applicable)	
3.	Disengage the aerial device locks. (if applicable)	
4.	Ensure all safety devices are in place and are properly used by the operator (slide-out platforms, safety chains, guardrails, dead-man switches, etc).	
5.	Check the intended path of the aerial device for obstructions (overhead, ladder cradle, cabinetry, accessories, personnel, etc).	
6.	Raise the aerial device away from its objective following the manufacture's guidelines on use of the emergency operating system.	
7.	Retract the aerial device following the manufacture's guidelines on use of the emergency operating system.	
8.	Rotate the aerial device and position to center	
9.	Lower the aerial device to its stored position in the resting cradle.	
10.	Remove ladder pipe, hose, and associated equipment. (if applicable)	
11.	Activate the hold down locks or apply bedding pressure. (Which ever one is applicable)	

Proctor (Print & Sign) _____ **Date:** _____

DO-AERIAL
JPR: DOA-14

Candidate: _____

STANDARD: 6.2.2 **NFPA 1002, 2017** **General Requirements**	**TASK:** Destabilize an aerial apparatus, given a properly positioned vehicle and the manufacturer's recommendations, so the power can be transferred to the vehicles engine.
PERFORMANCE OUTCOME:	The ability to transfer power from the hydraulic system to the vehicles engine and return the vehicle to service. **Safety: A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.**
EQUIPMENT REQUIRED: A fully equipped fire department aerial apparatus, the appropriate equipment to complete the assigned task and access to department policies, and procedures.	
CONDITIONS: Aerial apparatus hydraulic systems, manufacture's specification stabilization requirements, and effects of topography and ground condition on safe stabilization. The candidate will successfully complete 100% of all elements of the assigned task steps.	

No.	Task Steps	✓
1.	Unlock the stabilizers by manufacturers' recommendations (holding valves, interlock feature, safety pins, or combination of any features).	
2.	Slightly move the wheel chocks.	
3.	Ensure all personnel and equipment is clear of the stabilizers.	
4.	Raise stabilizers. (On uneven terrain the stabilizers should be raised in reverse order of lowering)	
5.	Stow stabilizers to their appropriate stored location.	
6.	Stow stabilizer ground pads to their appropriate stored location.	
7.	Place the transmission selector in the appropriate gear recommended by the manufacturer. (if applicable)	
8.	Place the transmission selector in the appropriate gear recommended by the manufacturer.	
9.	Ensure all tools and equipment is stowed in the proper location.	
10.	Ensure all compartment doors, slide-out platforms, safety bars, safety chains, etc, are stowed in their appropriate location.	
11.	Remove wheel chocks and stow in their appropriate location.	

Proctor (Print & Sign) _____ **Date:** _____

DO-AERIAL
JPR: DOA-15

Candidate: _____

STANDARD: 6.1.1 **NFPA 1002, 2017** **General Requirements**	**TASK:** Perform the routine test, inspections, and servicing functions specified in the following list in addition to those specified in the list 6.1.1, given a fire department aerial apparatus, so that the operational readiness of the aerial apparatus is verified.
PERFORMANCE OUTCOME:	The ability to use hand tools, recognize system problems, and correct any deficiency noted according to policy and procedures. Perform a visual and/or operational aerial device inspection according to the fire departments SOP's. **Safety: A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.**
EQUIPMENT REQUIRED: A fully equipped fire department aerial apparatus, the appropriate equipment to complete the assigned task and access to the departments policies, and procedures.	
CONDITIONS: Manufacturers specifications and requirements, policies, and procedures of the jurisdiction. The candidate will successfully complete 100% of all elements of the assigned task steps.	

No.	Task Steps	✓
1.	Hydraulic Fluid	
2.	Inspect stabilizers	
3.	Inspect turntable assembly	
4.	Inspect lower control pedestal(s). (if applicable)	
5.	Inspect the platform control console. (if applicable)	
6.	Inspect aerial device communication system.	
7.	Status/operation of the breathing air supply system. (if applicable)	
8.	Inspect aerial device extension/retraction system.	
9.	Inspect elevation /lifting cylinders.	
10.	Inspect elevating platform assembly. (if applicable)	
11.	Inspect the aerial ladder sections (fly, mid(s), base).	
12.	Inspect ladder rungs.	
13.	Inspect aerial waterway.	
14.	Inspect all equipment attached to any portion of the aerial device or ladder sections.	

Proctor (Print & Sign) _____ **Date:** _____