FIRE PROTECTION BUREAU
FIRE SERVICE CERTIFICATION
PO Box 42642
Olympia WA 98504-2642
(360) 596-3945

DRIVER/OPERATOR – AERIAL

NFPA Standard 1002, 2017 Edition, Chapter 6

Test Construction Guide

At a minimum, the practical examination will include skills selected from each category with a total of 8 Skill Sheets selected. The Test Control Officer shall randomly select the prescribed number of Skill Sheets per category using the matrix below. The exam should be set up using at least three stations, with a different certified Evaluator at each station. It is expected that appropriate PPE shall be worn for all stations (unless otherwise indicated) within the Skill Sheet. Prerequisites are FFI, Haz-Mat Operations, and Driver Operator chapter 4.

Note: **Apparatus Equipment:** If the Test Apparatus being used does not have any components listed on the skill sheet (i.e. cable systems, locking pins for stabilizers, etc. or listed equipment (i.e. on board generator) draw a line thru the skill step and write the word "**equipment"**. This rule will be in effect as not all Aerial Apparatus are configured the same. This will not count as a failure for the candidate.

Driver/Operator – Aerial Minimum Job Performance Requirements

Skill Sheet	JPR	Tasks	Minimum Selection Required: (for total of 8 Skill Sheets selected)
	Random Skills		
1.	6.2.1, 4.2.1, 4.2.2	General Skill Requirement: **Perform Preventative Maintenance Pre-Trip**	**Select 4 Random Skill Sheets from this category**
2.	4.3.1	General Skill Requirement: **Drive a Fire Aerial Apparatus**	
3.	4.3.2	General Skill Requirement: **Driving Backing/Alley Dock Test**	
4.	4.3.3	General Skill Requirement: **Driving Serpentine**	
5.	4.3.4	General Skill Requirement: **Driving Confined Space**	
6.	4.35	General Skill Requirement**: Driving Diminishing Clearance**	
7.	4.3.6	General Skill Requirement: **Driving a Fire Aerial Apparatus on a Simulated Response**	
8.	4.3.7, 9.1.1	General Skill Requirement: **Perform Weekly Inspection**	
	Mandatory Skills		
9.	6.2.1, 6.2.2	Position and Stabilize aerial apparatus: **Position Aerial Apparatus**	**Select 4 Mandatory Skill Sheets from this category**
10.	6.23	Maneuver and Position aerial device from each control station: **Operate Aerial from all control stations**	
11.	6.2.4	Lower an aerial device using the emergency operating system: **Operate Emergency Systems**	
12.	6.2.5	Deploy and Operate Elevated Master Stream: **Operate elevated master stream**	

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Candidate Name _____ **Skill Sheet** 1

IFSAC ID _____ **Date** _____

NFPA STANDARD: 1002, 2017 edition	**JPR:** 6.1.1, 4.2.1	**SKILL AREA:** General Skill Requirement: **Perform Preventative Maintenance Pre-Trip**

TASK: The candidate shall perform, document, and complete daily routine tests, inspections, and servicing functions on specified systems and components so that the operational status of the aerial is verified.

CONDITIONS: Given a fire department aerial apparatus and the provided vehicle inspection checklist. Note: Candidate may use sample checklist or AHJ's checklist.

PERFORMANCE OUTCOME: The ability to recognize system problems, correct any deficiency noted and use/inspect hand tools, with completed departmental forms, according to policies and procedures of Authority Having Jurisdiction.

NO.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Inspect and walk around apparatus, ensure safe operation during inspection while looking for signs of damage or leaks	☐	☐	☐	☐
2.	Check the apparatus forms and documents for pertinent and current information	☐	☐	☐	☐
3.	Inspect and use hand tools on the apparatus	☐	☐	☐	☐
4.	Ensure the communication system is operable	☐	☐	☐	☐
5.	Perform and document the Aerial Device Apparatus Inspection Forms	☐	☐	☐	☐
6.	Check that stepping surfaces and hand rails are clean, secure, and in good working order	☐	☐	☐	☐
7.	Check batteries for fluid level, (if applicable) for corrosion, and tie downs	☐	☐	☐	☐
8.	Check braking system fluid level or air pressure, low pressure alarm	☐	☐	☐	☐
9.	Check coolant system for fluid levels, leaks, cleanliness	☐	☐	☐	☐
10.	Check electrical system, including warning devices, headlights, running lights, turn signals, and warning lights	☐	☐	☐	☐
11.	Check fuel level, must be kept at level according to AHJ	☐	☐	☐	☐
12.	Check hydraulic fluids for level and leaks (if applicable)	☐	☐	☐	☐
13.	Check engine oil for fluid level and leaks	☐	☐	☐	☐
14.	Check wheels, tires for air pressure and wear	☐	☐	☐	☐
15.	Check steering system for excessive play, in general should be no more than 10 degrees (about 2 inches) in either direction	☐	☐	☐	☐
16.	Check engine belts for tightness and wear	☐	☐	☐	☐
17.	Check all tools, appliances, equipment, lighting	☐	☐	☐	☐
18.	Check windshield, wiper blades, and washer fluid level	☐	☐	☐	☐
19.	Start apparatus; monitor gauges and control devices	☐	☐	☐	☐

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NFPA STANDARD: 1002, 2017 edition		**JPR:** 6.1.1, 4.2.1	**SKILL AREA:** General Skill Requirement: **Perform Preventative Maintenance Pre-Trip**			
20.	Recognize system problems; document and correctly report any deficiencies		☐	☐	☐	☐
21.	Check all exterior equipment for general condition		☐	☐	☐	☐
22.	Correct any deficiency noted according to the AHJ's policies and procedures		☐	☐	☐	☐
Overall Skill Sheet Score			☐	☐	☐	☐
Candidate Stop Safety: Yes ☐		**Equipment Stop Safety: Yes** ☐				

Evaluator/Candidate Comments _____

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Evaluator (Print & Sign)	**Candidate Signature**	**Date**
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Candidate Name _____ **Skill Sheet** 2

IFSAC ID _____ **Date** _____

NFPA STANDARD: 1002, 2017 Edition	**JPR:** 6.2.1, 4.3.1	**SKILL AREA:** General Skill Requirement: **Drive a Fire Aerial Apparatus**

TASK: Drive a fire department aerial safely over a predetermined route on a public way.

CONDITIONS: Given a fire department aerial and a predetermined route.

PERFORMANCE OUTCOME: The candidate shall be able to drive a fire department aerial on a predetermined course.

NO.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Adjust and use mirrors for backing and moving apparatus	☐	☐	☐	☐
2.	Driver/passenger(s), using passenger restraint devices	☐	☐	☐	☐
3.	Four left turns and four right turns	☐	☐	☐	☐
4.	A straight section of urban street or rural two-lane road at least a mile in length	☐	☐	☐	☐
5.	One through-intersection and two intersections where a stop has to be made	☐	☐	☐	☐
6.	One railroad crossing	☐	☐	☐	☐
7.	One curve, either left or right	☐	☐	☐	☐
8.	A section of limited-access highway that includes a conventional ramp entrance and exit and a section of road long enough to allow lane changes	☐	☐	☐	☐
9.	A down-grade steep enough and long enough to require downshifting and braking	☐	☐	☐	☐
10.	An up-grade steep enough and long enough to require gear changing to maintain speed	☐	☐	☐	☐
11.	One underpass or low clearance bridge or obstacle	☐	☐	☐	☐
12.	Maintain safe following distances	☐	☐	☐	☐
13.	Maintain control of vehicle while accelerating, decelerating, and turning (given road, weather, and traffic conditions)	☐	☐	☐	☐
14.	Display ability to operate under adverse environmental or driving surface conditions	☐	☐	☐	☐
15.	Demonstrate proper use of automotive gauges	☐	☐	☐	☐
Overall Skill Sheet Score		☐	☐	☐	☐

Candidate Stop Safety: Yes ☐	**Equipment Stop Safety: Yes** ☐

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Candidate Name _____ **Skill Sheet** 3

IFSAC ID _____ **Date** _____

NFPA STANDARD: 1002, 2017 Edition	**JPR:** 6.2.1, 4.3.2	**SKILL AREA:** General Skill Requirement: **Driving Backing/Alley Dock Test**

TASK: Back an aerial apparatus from a roadway into restricted space on both the right and left sides of the vehicles. (Alley Dock)

CONDITIONS: Given a fire department aerial apparatus, a spotter for backing, cones, a restricted space 12 feet in width, requiring 90-degree right- or left-hand turn from the roadway 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 back a fire department aerial apparatus from a roadway into restricted space on both the right and left sides of the vehicles. (Alley Dock)

NO.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Adjust and use mirrors for backing and moving apparatus	☐	☐	☐	☐
2.	Driver/passenger(s), using passenger restraint devices	☐	☐	☐	☐
3.	Ensure the communication system is operable	☐	☐	☐	☐
4.	Maintain proper control of the aerial during the evolution	☐	☐	☐	☐
5.	Determine and maneuver the aerial into the correct position using a spotter	☐	☐	☐	☐
6.	Complete the skill correctly without crossing over or striking any obstructions	☐	☐	☐	☐
Overall Skill Sheet Score		☐	☐	☐	☐

Candidate Stop Safety: Yes ☐ **Equipment Stop Safety: Yes** ☐

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Candidate Name _____ **Skill Sheet** 4

IFSAC ID _____ **Date** _____

NFPA STANDARD: 1002, 2017 Edition	**JPR:** 6.2.1, 4.3.3	**SKILL AREA:** General Skill Requirement: **Driving Serpentine**

TASK: Maneuver fire department aerial around obstructions on a roadway while moving forward and in reverse. (Serpentine test)

CONDITIONS: Given a fire department aerial apparatus, a spotter for safety while backing, cones, and a roadway with obstructions.

PERFORMANCE OUTCOME: The candidate shall maneuver a fire department aerial apparatus around obstructions on a roadway while moving forward and in reverse.

NO.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Adjust and use mirrors for backing and moving apparatus	☐	☐	☐	☐
2.	Driver/passenger(s), using passenger restraint devices	☐	☐	☐	☐
3.	Ensure the communication system is operable	☐	☐	☐	☐
4.	Maintain proper control of the aerial during the evolution	☐	☐	☐	☐
5.	Determine and maneuver the aerial into the correct position using a spotter	☐	☐	☐	☐
6.	Complete the skill correctly without crossing over or striking any obstructions	☐	☐	☐	☐
Overall Skill Sheet Score		☐	☐	☐	☐

Candidate Stop Safety: Yes ☐ **Equipment Stop Safety: Yes** ☐

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Candidate Name _____ **Skill Sheet** 5

IFSAC ID _____ **Date** _____

NFPA STANDARD: 1002, 2017 Edition	**JPR:** 4.3.4	**SKILL AREA:** General Skill Requirement: **Driving Confined Space**

TASK: Turn a fire department aerial apparatus around 180 degrees within a confined space.

CONDITIONS: Given a fire department aerial apparatus, a spotter for backing, cones, and a confined area where the vehicle cannot turn around without stopping and backing up.

PERFORMANCE OUTCOME: The candidate shall turn a fire department aerial apparatus 180 degrees within a confined space.

NO.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Adjust and use mirrors for backing and moving apparatus	☐	☐	☐	☐
2.	Driver/passenger(s), using passenger restraint devices	☐	☐	☐	☐
3.	Ensure the communication system is operable	☐	☐	☐	☐
4.	Maintain proper control of the aerial during the evolution	☐	☐	☐	☐
5.	Determine and maneuver the aerial into the correct position using a spotter	☐	☐	☐	☐
6.	Complete the skill correctly without crossing over or striking any obstructions	☐	☐	☐	☐
Overall Skill Sheet Score		☐	☐	☐	☐

Candidate Stop Safety: Yes ☐	**Equipment Stop Safety: Yes** ☐

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Candidate Name _____ **Skill Sheet** 6

IFSAC ID _____ **Date** _____

NFPA STANDARD: 1002, 2017 Edition	**JPR:** 4.3.5	**SKILL AREA:** General Skill Requirement: **Driving Diminishing Clearance**

TASK: Maneuver a fire department aerial apparatus in areas with restricted horizontal and vertical clearances.

CONDITIONS: Given a fire department aerial apparatus, cones, and a course that requires the candidate to move through an area of restricted horizontal and vertical clearance.

PERFORMANCE OUTCOME: The candidate shall maneuver a fire department aerial apparatus in areas with restricted vertical and horizontal clearance so that no obstructions are struck.

NO.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Adjust and use mirrors for backing and moving apparatus	☐	☐	☐	☐
2.	Driver/passenger(s), using passenger restraint devices	☐	☐	☐	☐
3.	Ensure the communication system is operable	☐	☐	☐	☐
4.	Maintain proper control of the aerial during the evolution	☐	☐	☐	☐
5.	Determine and maneuver the aerial into the correct position using a spotter	☐	☐	☐	☐
6.	Complete the skill correctly without crossing over or striking any obstructions	☐	☐	☐	☐
7.	When asked, the candidate shall correctly provide the height and width of the aerial apparatus.	☐	☐	☐	☐
Overall Skill Sheet Score		☐	☐	☐	☐

Candidate Stop Safety: Yes ☐	**Equipment Stop Safety: Yes** ☐

Evaluator/Candidate Comments _____

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Candidate Name _____ **Skill Sheet** 7

IFSAC ID _____ **Date** _____

NFPA STANDARD: 1002, 2017 Edition	**JPR:** 4.3.6	**SKILL AREA:** General Skill Requirement: **Driving a Fire Aerial Apparatus on a Simulated Response**

TASK: Drive a fire department aerial apparatus using defensive driving techniques given an assignment so that control of the vehicle is maintained.

CONDITIONS: Given a fire department aerial and a predetermined route under simulated emergency conditions.

PERFORMANCE OUTCOME: The candidate will safely complete the task operating the department aerial on a predetermined route provided by the Authority Having Jurisdiction.

NO.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Ensure vehicle is prepared for departure	☐	☐	☐	☐
2.	Driver/passenger(s) using passenger restraint devices	☐	☐	☐	☐
3.	Utilize emergency lights and siren	☐	☐	☐	☐
4.	Enter traffic in a safe manner	☐	☐	☐	☐
5.	Use defensive driving techniques	☐	☐	☐	☐
	a. Maintain safe following distances	☐	☐	☐	☐
	b. Maintain control of vehicle while accelerating	☐	☐	☐	☐
	c. Maintain control of vehicle while decelerating	☐	☐	☐	☐
	d. Maintain control of vehicle while turning	☐	☐	☐	☐
	e. Maintain reasonable speed for prevailing conditions (environmental; driving surfaces; road, weather, and traffic conditions)	☐	☐	☐	☐
6.	Bring apparatus to a safe stop	☐	☐	☐	☐
7.	Proper use of automotive gauges	☐	☐	☐	☐
Overall Skill Sheet Score		☐	☐	☐	☐

Candidate Stop Safety: Yes ☐	**Equipment Stop Safety: Yes** ☐

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Candidate Name _____ **Skill Sheet** 8

IFSAC ID _____ **Date** _____

NFPA STANDARD: 1002, 2017 Edition	**JPR:** 4.3.7	**SKILL AREA:** General Routine Operational Test: **Perform preventative maintenance Weekly**

TASK: Perform the routine tests, servicing functions and document the readiness inspection of a fire department aerial.

CONDITIONS: Given a fire department aerial apparatus and using the provided inspection/maintenance forms checklist.

PERFORMANCE OUTCOME: The candidate shall recognize system problems, correct any deficiency noted and use hand tools, with completed departmental forms, according to policies and procedures of Authority Having Jurisdiction.

NO.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Check apparatus forms and documents for pertinent and current information	☐	☐	☐	☐
2.	Walk around apparatus, looking for signs of damage or leaks, and to ensure safe operation during inspection	☐	☐	☐	☐
3.	Check all exterior equipment for general condition	☐	☐	☐	☐
4.	Check that stepping surfaces and hand rails are clean, secure, and in good working order	☐	☐	☐	☐
5.	Check batteries for fluid level (if applicable) for corrosion, and tie downs	☐	☐	☐	☐
6.	Check braking system fluid level, for air pressure, low pressure alarm and drain air tanks	☐	☐	☐	☐
7.	Check coolant system for fluid levels, leaks, cleanliness	☐	☐	☐	☐
8.	Check electrical system, including warning devices, headlights, running lights, turn signals, and warning lights	☐	☐	☐	☐
9.	Check fuel level insure (as per AHJ policy)	☐	☐	☐	☐
10.	Check aerial hydraulic fluids for level and leaks (if applicable)	☐	☐	☐	☐
11.	Check engine oil for fluid level and leaks	☐	☐	☐	☐
12.	Check steering system for range of motion and excessive looseness	☐	☐	☐	☐
13.	Check engine belts for tightness and wear	☐	☐	☐	☐
14.	Check tools, appliances, equipment, lighting	☐	☐	☐	☐
15.	Check windshield, wiper blades, and washer fluid level Check windshield, wiper blades, and washer fluid level	☐	☐	☐	☐
16.	Check wheels, tires for pressure and wear	☐	☐	☐	☐
17.	Start apparatus; monitor gauges and control devices	☐	☐	☐	☐
18.	Correct any deficiency noted (as per AHJ policy)	☐	☐	☐	☐
19.	Start apparatus and check operation of Aerial Master PTO	☐	☐	☐	☐
20.	Check operation of outriggers and functionally of the stabilizer system	☐	☐	☐	☐

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NFPA STANDARD: 1002, 2017 edition		**JPR:** 4.3.7	**SKILL AREA:** General Routine Operational Test: **Perform preventative maintenance Weekly**				
21.	Check overall operation of aerial device:		☐	☐	☐	☐
	a. Verify operation of raise/lower, rotate left/right, extend/retract		☐	☐	☐	☐
	b. Verify operational status of cable systems (if applicable)		☐	☐	☐	☐
	c. Verify operational status of aerial device safety systems		☐	☐	☐	☐
	d. Verify operational status of breathing air systems (if equipped)		☐	☐	☐	☐
	e. Verify operational status of communication systems		☐	☐	☐	☐
22.	Check operation of onboard generator (if applicable)		☐	☐	☐	☐
23.	Check operation of pre-plumbed Hydraulic tools (if applicable)		☐	☐	☐	☐
24.	Check operation of Air compressor/cascade system, on board air systems (if applicable)		☐	☐	☐	☐
25.	Check, start, and operate all fuel powered portable motor units (PPV fans, Hydraulic power units, portable generators, lighting, etc.)		☐	☐	☐	☐
26.	Recognize system problems; document Aerial Inspection forms and correctly report any deficiencies		☐	☐	☐	☐
Overall Skill Sheet Score			☐	☐	☐	☐
Candidate Stop Safety: Yes ☐		**Equipment Stop Safety: Yes** ☐					

Evaluator/Candidate Comments _____

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Candidate Name _____ **Skill Sheet** 9

IFSAC ID _____ **Date** _____

NFPA STANDARD: 1002, 2017 Edition	**JPR:** 6.2.1 & 6.2.2	**SKILL AREA:** Operations: **Maneuver and position an aerial apparatus; Stabilize an aerial apparatus**

TASK: Maneuver and position an aerial apparatus, so that the apparatus is positioned for correct aerial device deployment. Stabilize an aerial apparatus, so that power can be transferred to the aerial device hydraulic system and the device can be deployed.

CONDITIONS: Given a fully equipped fire aerial apparatus, an incident location, a situation description, and an assignment, the candidate shall demonstrate the ability to:

PERFORMANCE OUTCOME: The candidate shall demonstrate the ability to: determine a correct position for the apparatus, maneuver apparatus into that position, and avoid obstacles to operations; and, transfer power from the vehicle's engine to the hydraulic system and operate vehicle stabilization devices.

NO.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Adjust mirrors before moving the apparatus	☐	☐	☐	☐
2.	Driver/passenger(s) using passenger restraint devices	☐	☐	☐	☐
3.	Determine a correct position for the apparatus.	☐	☐	☐	☐
4.	Position and maneuver the apparatus into the desired angle for optimal stabilization (as per the manufacturer's recommendation and/or AHJ policy).	☐	☐	☐	☐
5.	Perform "in-cab" procedures (as per the manufacturer's recommendation and/or AHJ policy).	☐	☐	☐	☐
6.	Check for overhead obstructions and ensure proper apparatus placement prior to deploying stabilizers.	☐	☐	☐	☐
7.	Properly position wheel chocks for the appropriate wheel(s) as per the manufacturer's recommendation or AHJ Policy.	☐	☐	☐	☐
8.	Determine the appropriateness of the ground surface for stabilizer deployment and ensure there are no obstructions to fully deploying the stabilizer on the working side of the apparatus.	☐	☐	☐	☐
9.	Stabilizer ground pads utilized for stabilization.	☐	☐	☐	☐
10.	Deploy the stabilizers and raise the apparatus to its working position (as per the manufacturer's recommendation and/or AHJ policy) – apparatus should be as close to level as possible using leveling indicators.	☐	☐	☐	☐
11.	Manual stabilizer locks utilized or (ensure internal locking mechanisms if applicable) are locked as per the manufacturer's recommendation and/or AHJ policy	☐	☐	☐	☐
12.	Recognition of reduced load chart capability should be identified (if applicable).	☐	☐	☐	☐
13.	Fifth wheel or king pin locked Tiller (as per the manufacturer's recommendation and/or AHJ policy)	☐	☐	☐	☐
14.	Aerial device can be raised from the cradle	☐	☐	☐	☐
15.	Aerial device can be returned to the cradle and the apparatus returned to be ready for road travel.	☐	☐	☐	☐
Overall Skill Sheet Score		☐	☐	☐	☐

Candidate Stop Safety: Yes ☐	**Equipment Stop Safety: Yes** ☐

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Candidate Name _____ **Skill Sheet** 10

IFSAC ID _____ **Date** _____

NFPA STANDARD: 1002, 2017 Edition	**JPR:** 6.2.3	**SKILL AREA:** Operations: **Maneuver and position the aerial device from each control station**

TASK: From each control station, maneuver and position the aerial device, so that the aerial device is positioned to accomplish the assignment.

CONDITIONS: Given a fully equipped fire aerial apparatus, a situation description and location, and assignment, the candidate shall demonstrate the ability to:

PERFORMANCE OUTCOME: Candidate shall demonstrate the ability to raise, rotate, extend, and position the aerial to a specified location, as well as lock, unlock, retract, lower, and bed the aerial device.

NO.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Ensure all safety devices are in place and properly used (slide-out platforms, safety chains, guardrails, dead-man switches, etc)	☐	☐	☐	☐
2.	Release the hold down locks (if equipped)	☐	☐	☐	☐
3.	Check the intended path of the aerial device for obstructions. (overhead, ladder cradle, cabinetry, accessories, personnel, etc.) Note: All aerial operations must follow manufacture and local AHJ policy at all times.	☐	☐	☐	☐
4.	Raise the aerial device to the desired (approximate) angle for the intended target	☐	☐	☐	☐
5.	Rotate the aerial to the desired (approximate) in-line position with the intended target	☐	☐	☐	☐
6.	Extend the aerial device toward the intended target	☐	☐	☐	☐
7.	Make final adjustments to ensure proper final aerial device placement	☐	☐	☐	☐
8.	Ensures the final aerial device placement is within AHJ's policy in respect to window, fire escape, balcony, or roof placement	☐	☐	☐	☐
9.	Maintain a safe, smooth, and efficient operation of the aerial device controls at all times	☐	☐	☐	☐
10.	Knows the aerial device raise/lower, rotate left/right, and extend/retract controls without having to look at the lever labeling between each operation	☐	☐	☐	☐
11.	Aligns aerial device ladder rungs (if applicable)	☐	☐	☐	☐
12.	Engages safety mechanisms (if applicable)	☐	☐	☐	☐
13.	Ensures communication device is turned on and operational	☐	☐	☐	☐
14.	Clear firefighters to safely climb the aerial ladder (if applicable)	☐	☐	☐	☐
15.	Monitor apparatus stability and aerial loads during evolution	☐	☐	☐	☐
16.	Retract/rotate/lower to return aerial device to bed and properly secure (as per the manufacturer's recommendation and/or AHJ policy)	☐	☐	☐	☐
Overall Skill Sheet Score		☐	☐	☐	☐

Candidate Stop Safety: Yes ☐	**Equipment Stop Safety: Yes** ☐

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DRIVER/OPERATOR – AERIAL

Evaluator/Candidate Comments _____

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_____

Retest Approved by _____

Evaluator (Print & Sign)	**Candidate Signature**	**Date**
Retest Evaluator (Print & Sign)	**Candidate Signature**	**Date**

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DRIVER/OPERATOR – AERIAL

Candidate Name _____ **Skill Sheet** 11

IFSAC ID _____ **Date** _____

NFPA STANDARD: 1002, 2017 Edition	**JPR:** 6.2.4	**SKILL AREA:** Operations: **Lower an aerial device using the emergency operating system**

TASK: Lower an aerial device using the emergency operating system, so that the aerial device is lowered to its bedded position.

CONDITIONS: Given a fully equipped fire aerial apparatus, an aerial device, an incident location, a situation description, and an assignment, the candidate shall demonstrate the ability to:

PERFORMANCE OUTCOME: The candidate shall demonstrate the ability to rotate and position to center, unlock, retract, lower, and bed the aerial device using the emergency operating system.

NO.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Clear aerial device of personnel	☐	☐	☐	☐
2.	Drain the waterway (if applicable)	☐	☐	☐	☐
3.	Disengage the aerial device locks, if applicable	☐	☐	☐	☐
4.	Ensure all safety devices are in place and properly used (slide-out platforms, safety chains, guardrails, dead-man switches, etc)	☐	☐	☐	☐
5.	Check the intended path of the aerial device for obstructions (overhead, ladder cradle, apparatus cabinetry, accessories, personnel, etc.)	☐	☐	☐	☐
6.	Properly active the emergency operations system, (i.e. emergency power unit - EPU)	☐	☐	☐	☐
7.	Allows for safety mechanisms to be operational, if able (short jack safety, etc.)	☐	☐	☐	☐
8.	Retracts the aerial device fully	☐	☐	☐	☐
9.	Rotate the aerial device (to center, above the cradle) following the manufacturer's guidelines on the use of the emergency operating system	☐	☐	☐	☐
10.	Lower the aerial device to bedded position and activate the hold-down locks or apply bedding pressure, whichever is applicable	☐	☐	☐	☐
11.	Ensure process to complete fully bedded aerial device is followed (as per the manufacturer's recommendation and/or AHJ policy)	☐	☐	☐	☐
12.	Monitor apparatus stability during evolution	☐	☐	☐	☐
13.	Maintain a safe, smooth, and efficient operation of aerial device controls at all times	☐	☐	☐	☐
14.	Disengages emergency operating system properly	☐	☐	☐	☐
15.	Prepare Aerial Apparatus for road travel	☐	☐	☐	☐
Overall Skill Sheet Score		☐	☐	☐	☐

Candidate Stop Safety: Yes ☐	**Equipment Stop Safety: Yes** ☐

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DRIVER/OPERATOR – AERIAL

Evaluator/Candidate Comments _____

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Retest Approved by _____

Evaluator (Print & Sign)	**Candidate Signature**	**Date**
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DRIVER/OPERATOR – AERIAL

Candidate Name _____ **Skill Sheet** 12

IFSAC ID _____ **Date** _____

NFPA STANDARD: 1002, 2017 Edition	**JPR:** 6.2.5	**SKILL AREA:** Operations: **Deploy and operate an elevated master stream**

TASK: Deploy and operate an elevated master stream so that the stream is effective and the aerial and master stream devices are operated correctly.

CONDITIONS: Given a fully equipped fire aerial apparatus, an aerial device, a master stream device, the candidate 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, _____ 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. The candidate shall complete the following:

PERFORMANCE OUTCOME: The candidate shall demonstrate the ability to connect a water supply to a master stream device and control an elevated nozzle manually or remotely.

NO.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Demonstrate how to attach a portable ladder pipe/hose line (if applicable)	☐	☐	☐	☐
2.	Demonstrate how to adjust pin-able waterway in the appropriate position (if applicable)	☐	☐	☐	☐
3.	Demonstrates how to manually rotate the nozzle from side to side, by remote station or manually	☐	☐	☐	☐
4.	Demonstrate how to manually raise and lower the nozzle by remote station or manually (If applicable)	☐	☐	☐	☐
5.	Demonstrate how to manually adjust the spray pattern of nozzle by remote station or manually (If applicable)	☐	☐	☐	☐
6.	Demonstrate how to change from a fog nozzle to a smooth bore tip with/without a stream straightener (if applicable**)**	☐	☐	☐	☐
7.	Connects to an adequate water supply to the proper water inlet (per manufacturers specifications and AHJ policy)	☐	☐	☐	☐
8.	Maneuver and position the aerial device toward the intended target, engage pump if equipped.	☐	☐	☐	☐
9.	Smoothly open waterway discharge valve with minimal stress and movement of the aerial device and waterway	☐	☐	☐	☐
10.	Discharges the correct gpm for the assigned task at ____ psi pump pressure	☐	☐	☐	☐
11.	Monitors apparatus stability continually	☐	☐	☐	☐
12.	Maintains communication with water supply group or officer	☐	☐	☐	☐
13.	Smoothly closes waterway discharge valve with minimal stress and movement of the aerial device and waterway	☐	☐	☐	☐
14.	Disengages pump (if equipped)	☐	☐	☐	☐
15.	Close elevated master stream inlet valve and disconnect water supply from fire apparatus	☐	☐	☐	☐
16.	Opens waterway drain to drain waterway pipe completely prior to repositioning the ladder	☐	☐	☐	☐
17.	Retract, rotate, and lower aerial device	☐	☐	☐	☐
18.	Disassemble any portable ladder pipe, hose line (if applicable)	☐	☐	☐	☐

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NFPA STANDARD: 1002, 2017 Edition		**JPR:** 6.2.5	**SKILL AREA:** Operations: **Deploy and operate an elevated master stream**			
19.	Returns waterway pin to its stowed position (If applicable)		☐	☐	☐	☐
20.	If a different nozzle was selected for the evolution, return the proper nozzle (per AHJ policy) to the elevated master stream appliance (if applicable)		☐	☐	☐	☐
21.	Place the monitor to its correct stowed position prior to fully bedding the aerial device (if applicable)		☐	☐	☐	☐
22.	Properly bed the aerial device		☐	☐	☐	☐
23.	Prepare Aerial Apparatus for road travel		☐	☐	☐	☐
Overall Skill Sheet Score			☐	☐	☐	☐
Candidate Stop Safety: Yes ☐			**Equipment Stop Safety: Yes** ☐			

Evaluator/Candidate Comments _____

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Retest Approved by _____

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Evaluator (Print & Sign)	**Candidate Signature**	**Date**
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