



GOLDER RANCH FIRE DISTRICT

Aerial Practical Check Sheets

Using the Aerial Device to Deploy an Elevated Master Stream

Standards:

NFPA 1010 Section 1002: 6.2.5 (B)

Task/Performance Outcome:

The candidate shall be given the objective to deploy an elevated master stream using an aerial device. The candidate will be required to properly position and stabilize the aerial apparatus at a given occupancy to deploy an elevated master stream. The candidate will be required to properly position the aerial device for optimal use of the elevated master stream. The aerial device must be maneuvered safely, effectively and efficiently following all district policies and procedures along with manufacture specifications and restrictions.

Required Personal Protective Equipment (PPE):

Class C uniform, helmet and utility gloves

Required Equipment:

- Aerial Apparatus

Critical Fail Criteria:

Failure consists of the following:

- Failure to complete any of the given tasks
- Failure to place wheel chocks appropriately prior to operating the aerial device
- Failure to properly stabilize the apparatus
- Failure to follow district and manufacture specifications and restrictions
- Failure to wear the required PPE
- Failure to keep accountability on the fire ground
- Failure to exit the apparatus safely and with three points of contact
- Glaring, gross errors, as documented by the evaluator
- An apparent lack of efficiency and comfort with the activity, as documented by the evaluator
- Less than 80% of available points scored

Evolution Details:

The candidate will be instructed to deploy an elevated master stream at a given occupancy using an aerial apparatus. The candidate must position, stabilize and deploy the aerial device for optimal use and suppression efforts following district policies and manufacturer specifications. The candidate must secure a water supply to the aerial apparatus utilizing a hydrant or separate pumper assigned to supply the aerial. The candidate will access the turntable and determine if there are any hazards overhead or in the surrounding area that the aerial device and elevated master stream will be operated in. Before raising the aerial device the aerial waterway shall be position in water tower mode (if applicable). The candidate will raise and position the aerial device in an appropriate location before charging the aerial waterway. The candidate will then charge the aerial waterway in a manner as to not cause water hammer or extreme reaction of the aerial device. If the aerial apparatus is going to pump its own waterway, the candidate must set the pump discharge pressure correctly. The candidate must ensure the discharge relief valve or pressure governor is set to the correct level for pressure(s) being pumped. If an assigned pumper is pumping the aerial waterway the candidate should coordinate with that assigned pumper when ready to flow the elevated master stream. The candidate shall manipulate the nozzle and aerial as needed to achieve the desired application of the water stream.



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Candidate Name:	Date:	
Actions	Points Available	Points Earned
Addresses and maintains accountability	CFC	
Select an appropriate place to stage the aerial apparatus	1	
Position the apparatus for the best possible utilization of the aerial device, maximizing safety, stabilization and scrub area.	1	
Parking brake engaged.	1	
Activate the electrical and hydraulic systems used by the aerial	1	
Exit the cab, and make a 360-degree walk-around of the apparatus, observing for overhead hazards, surface obstacles and subsurface hazards.	1	
Set the wheel chocks and stabilizer ground pads per the manufacturer's instructions or manual and department policy.	1	
Deploy the stabilizers.	1	
Level the apparatus from side to side and from front to back.	1	
Perform any necessary steps to secure the stabilizer controls and to redirect power from the stabilizer controls to the aerial controls.	1	
Secure the water supply utilizing a hydrant (if equipped with a pump) or a pumper assigned to supply the aerial apparatus waterway.	1	
Access the turntable	CFC	
Look up and around for any overhead hazards (electrical wires, overhead obstacles, light poles and signs)	1	
If members are to occupy the platform, have them do so, and verify their position and readiness (locked in) for the aerial device to be operated.	1	
Energize the turntable controls	1	
Raise the aerial from the bedded position, and operate the controls to raise, rotate, and extend the aerial toward the location where the elevated stream is to be applied.	1	
When the aerial device is in an appropriate location, and after any members at the tip or in the platform acknowledge they are ready, charge the elevated stream in a manner so as to not cause water hammer or extreme reaction of the aerial device.	1	
Manipulate the nozzle and aerial as needed to achieve the desired application of the water stream.	1	
Open and close the pump, turntable, or tip/platform valves slowly to avoid water hammer or extreme reaction of the aerial device. When possible, keep the stream direction in line with the length of the aerial device. Avoid operating the stream perpendicular to the aerial device if possible, and never exceed the load limits as specified by the aerial's manufacturer for operating under excessive personnel, wind, snow, or ice loads.	1	



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Maintain a position at the turntable with a hand on the control and eyes on the tip/platform observing for hazards and listening for needs of the tip/platform members. If necessary, use the turntable controls to override the actions of the tip/platform operator.	1	
When the elevated stream is no longer needed, reduce the pressure at the supplying pump, and close off the supply valve, rather than closing the valve at the tip/platform. This will reduce nozzle reaction and water hammer and facilitate the draining of the waterway or hose.	1	
Total Points (16/19)	19	

Evaluator: _____ Total: _____/19

Circle one:

Pass/Fail on points/Fail on critical criteria

Comments _____

