DRIVER OPERATOR - AERIAL APPARATUS SKILL SHEETS

NFPA 1010, 2024 Edition – Chapter 13 (NFPA 1002)

FST Release and Effective Date Notification - July 2026

The following skills sheets are meant to be printed double-sided. This allows the candidate to view the instructions and description without viewing the steps.

Evaluators are the FST on-site representative for IFSAC skills exams and are responsible for evaluating a candidate's ability to perform specific skills in a structured testing situation. In rare occasions where enough evaluators are not available, FST may approve an evaluator who participated in the training process, if they do not evaluate the subject(s) they taught. ***Evaluators will only notify candidates of pass/fail status of a skill station if the candidate asks.*** *All discussions between evaluators and the candidate about skill evaluations and scoring must be conducted after the candidate has completed the skill testing station, and in a location that will provide privacy from other candidates to ensure confidentiality. Evaluators complete the testing station skills sheets for each candidate and include any comments concerning the testing of the candidate and sign the skill sheet to affirm passing or failing of the skill by the candidate. Evaluators refer any problems or questions that develop during the testing process to the Lead Evaluator.*

Candidate Preparation Guide

Congratulations on reaching the practical skills evaluation phase of the **Idaho Fire Service Training (FST) Driver/Operator – Aerial Apparatus Certification** program.

The Driver/Operator – Aerial Apparatus certification is intended to verify that candidates possess the knowledge, skills, and abilities necessary to safely inspect, position, stabilize, operate, and maintain an aerial apparatus while performing emergency operations in accordance with **NFPA 1010 (2024 Edition), Chapter 13 (formerly NFPA 1002)** and your Authority Having Jurisdiction's (AHJ) policies and procedures. Throughout the practical examination, candidates will be expected to demonstrate safe work practices, sound judgment, effective communication, and operational competence while completing assigned Job Performance Requirements (JPRs).

The practical examination consists of multiple skill stations designed to evaluate your ability to perform the duties of an aerial apparatus driver/operator. These skills include conducting visual and operational inspections, performing preventive maintenance, positioning and stabilizing the apparatus, operating the aerial device, conducting fireground and rescue operations, working around overhead obstructions, and safely operating elevated waterways and external water supply systems. Candidates should be prepared to successfully complete any skill station included within the certification examination.

Each skill station is intended to simulate real-world fire service operations. Before beginning each skill station, carefully review the assignment provided by the evaluator. Ensure you fully understand the objective before initiating any apparatus movement or aerial operation. If clarification is needed regarding the assignment, ask the evaluator before beginning the evolution. Once the skill begins, candidates are expected to independently complete the assignment safely and efficiently.

Throughout the examination, evaluators will assess not only your ability to complete the required task, but also your ability to consistently apply safe operating practices. This includes conducting an effective size-up, recognizing hazards, maintaining apparatus stability, utilizing proper stabilization methods, monitoring aerial movement, communicating effectively with assigned personnel, and operating the apparatus in a smooth and controlled manner. Safe operation shall always take precedence over speed.

As you prepare for your examination, remember to:

- Review each Driver/Operator – Aerial Apparatus skill sheet and understand the required performance objectives.
- Become familiar with your department's Standard Operating Procedures (SOPs), Standard Operating Guidelines (SOGs), and apparatus manufacturer recommendations.
- Practice performing apparatus inspections and preventive maintenance in accordance with department policy.
- Review proper apparatus positioning, stabilization, and outrigger deployment on a variety of ground conditions.
- Practice operating the aerial device through its complete range of motion while maintaining smooth, deliberate control.
- Demonstrate safe fireground operations, rescue positioning, elevated water delivery, and operations around overhead obstructions.
- Maintain continuous situational awareness while monitoring apparatus stability, aerial loading, overhead hazards, personnel, and surrounding conditions.

- Communicate clearly with firefighters, spotters, and incident personnel throughout each evolution.
- Always operate within the limitations established by the manufacturer and your Authority Having Jurisdiction.

Practical (Manipulative Skills) Examination
Candidates will demonstrate **100% competency on two (2) skill sheets** selected by FST:

- One (1) random Skill Sheet 1 or 2
- One (1) random Skill Sheet 3, 4, 5, 6, 7, 8, or 9

Candidates should remember that many skill stations involve critical safety considerations. Before operating the aerial device, verify apparatus stability, proper outrigger deployment, overhead clearance, hydraulic system engagement, communication with assigned personnel, and compliance with all manufacturer safety interlocks. During every evolution, continually evaluate changing conditions and discontinue operations whenever an unsafe condition exists.

The practical examination is designed to evaluate your ability to perform safely under realistic operating conditions—not simply your ability to memorize task steps. Evaluators recognize that departments throughout Idaho may utilize different apparatus, operating procedures, and equipment configurations.

Candidates will be evaluated based upon their ability to safely complete each assigned task while operating within accepted fire service practices and their department's operational procedures.

The evaluator may request copies of applicable SOPs, SOGs, or manufacturer operating procedures when necessary to ensure a fair and consistent evaluation.

On the day of your examination, arrive prepared with the required Personal Protective Equipment (PPE), appropriate department documentation, and a professional attitude. Listen carefully to the evaluator's instructions, think through each assignment before acting, communicate effectively, and perform every task with safety as your highest priority.

On behalf of Idaho Fire Service Training, we appreciate your dedication to professional development and your commitment to serving the citizens of Idaho safely and effectively. We wish you success during your Driver/Operator – Aerial Apparatus practical examination and thank you for your continued service to the fire service.

Evaluator Introduction

Thank you for serving as an Idaho Fire Service Training (FST) IFSAC Evaluator for the **Driver/Operator – Aerial Apparatus** certification program. As an evaluator, you play a vital role in ensuring that each candidate is evaluated fairly, consistently, and in accordance with the Idaho Fire Service Training Standard Operating Guidelines (SOGs), the official FST Skill Sheets, and the applicable Job Performance Requirements (JPRs) contained in **NFPA 1010 (2024 Edition), Chapter 13 (formerly NFPA 1002)**.

The purpose of the practical examination is to verify that candidates can safely inspect, position, stabilize, operate, and maintain an aerial apparatus while demonstrating the knowledge, skills, and judgment expected of a certified Driver/Operator – Aerial Apparatus. Evaluators are expected to objectively assess each candidate's performance using the standardized evaluation criteria contained within the Fire Service Training Skill Sheets.

Evaluator Responsibilities
Evaluators shall:

- Conduct each examination in a professional, impartial, and consistent manner.
- Ensure the testing environment is safe for all personnel involved.
- Verify that all required apparatus, equipment, and personnel are available prior to testing.
- Review the assigned skill sheet and evaluation criteria before the examination begins.
- Read the candidate directive exactly as written on the official FST Skill Sheet.
- Observe the candidate's performance without coaching, prompting, or providing instructional assistance.
- Evaluate only the actions performed by the candidate during the examination.
- Document candidate performance accurately on the official FST Skill Sheet.
- Immediately stop any evolution that presents an unsafe condition or places personnel or equipment at unnecessary risk.
- Refer procedural questions, disputes, or unusual circumstances to the Lead Evaluator.

Evaluator Expectations
Evaluators should remember that this is a **certification examination**, not a training exercise. Candidates are expected to demonstrate competency based upon their Authority Having Jurisdiction's (AHJ) policies, Standard Operating Procedures (SOPs), Standard Operating Guidelines (SOGs), manufacturer recommendations, and accepted fire service practices.

Departments throughout Idaho operate different aerial apparatus with varying designs, controls, stabilization systems, and operational procedures. Candidates should not be penalized for using equipment-specific procedures or department-approved operating methods, provided those procedures are safe, consistent with manufacturer recommendations, and accomplish the Job Performance Requirement.

Safety
Safety is the highest priority during every practical examination.
Evaluators shall ensure:

- The apparatus is mechanically safe for testing.
- Appropriate Personal Protective Equipment (PPE) is worn.
- Apparatus stabilization is completed before aerial operations begin.
- Ground conditions and overhead hazards have been evaluated.
- Communications between the candidate and assigned personnel are maintained.

- All testing is conducted in accordance with manufacturer safety requirements and AHJ procedures.

If an unsafe act or condition occurs that places personnel, equipment, or the public at risk, the evaluator shall immediately stop the evolution. Depending on the circumstances, the Lead Evaluator will determine whether the skill station constitutes a failure or whether testing may resume.

Candidate Interaction
Evaluators should establish a professional testing environment by treating every candidate with respect and impartiality.

Before each skill station:

- Introduce yourself to the candidate.
- Verify the candidate understands the assignment.
- Answer questions regarding the task instructions before testing begins.
- Ensure the candidate has all required equipment and resources.

Once the candidate begins the evaluation, no coaching, prompting, or corrective instruction shall be provided.

After the skill station has concluded, evaluators may answer questions regarding the evaluation process or discuss the candidate's performance in a private setting, consistent with Idaho Fire Service Training testing procedures.

Scoring
Candidates shall be evaluated solely on the performance criteria identified within the official Idaho Fire Service Training Skill Sheets.

Evaluators shall:

- Evaluate each step as written.
- Record comments when appropriate.
- Identify any critical safety concerns.
- Ensure all required documentation is complete and legible.
- Sign the evaluation form upon completion.

Consistency among evaluators is essential to maintaining the integrity of the Idaho Fire Service Training certification program.

Professionalism
As an Idaho Fire Service Training Evaluator, you represent both the Idaho Division of Career Technical Education and the Idaho fire service. Your professionalism, integrity, and commitment to objective evaluation help ensure that every Driver/Operator – Aerial Apparatus certification is earned through demonstrated competency and safe performance.

Thank you for your commitment to maintaining the quality, consistency, and credibility of Idaho Fire Service Training certification programs. Your service as an evaluator directly supports the development of competent aerial apparatus operators and contributes to the safety of firefighters and the communities they serve.

PREVENTATIVE MAINTENANCE– 13.2

Skill Sheet 1: Perform Visual and Operational Checks on the Aerial Device

Standard: NFPA 1010 (1002), 2024 edition

Objective: 13.2.1

TASK	The driver/operator shall perform visual and operational checks on the aerial device, ensuring all systems and components are functioning properly and reporting any deficiencies according to department SOPs. The operational readiness of the aerial apparatus is verified.
CANDIDATE DIRECTIVE	Given an aerial apparatus, department maintenance forms/inspection checklists, manufacturer's operation manual/specifications, and standard department procedures.
NFPA REQUISITE SKILL	The candidate shall demonstrate the ability to **use hand tools and equipment**; **recognize system problems**; and **correct any deficiency noted** according to policies and procedures.
REQUIRED EQUIPMENT	Aerial apparatus (fully functional), maintenance/inspection checklist/forms, manufacturer's operator manual, PPE (helmet, gloves, safety boots), hydraulic fluid indicator, wheel chocks. Basic hand tools such as screwdrivers, pliers, and wrenches are required. **FST AERIAL OPETATIONAL APPARATUS CHECK OFF SHEET**
REQUIRED ASSISTANTS	**0**

Evaluator/candidate comments:

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IFSAC Evaluator's signature IFSAC EVALUATORS NAME - PRINTED

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IFSAC Evaluator's signature- RETEST IFSAC EVALUATORS NAME - PRINTED

☐ I acknowledge NOT passing this skill station. _____

Candidate's signature

CANDIDATE TESTING PAGE – SKILL SHEET 1 (13.2.1)

Skill Sheet 1: Perform Visual and Operational Checks on the Aerial Device

Standard: NFPA 1010 (1002), 2024 edition

Objective: 13.2.1

TASK	The driver/operator shall perform visual and operational checks on the aerial device, ensuring all systems and components are functioning properly and reporting any deficiencies according to department SOPs. The operational readiness of the aerial apparatus is verified.

No.	**Task Steps**	**1st Attempt**		**2nd Attempt**	
		Pass	**Fail**	**Pass**	**Fail**
1-13 Utilize FST AERIAL OPPERATIONAL APPARATUS CHECK OFF SHEET where applicable					
1.	Verified **Batteries**				
2.	Verified **Braking System**				
3.	Verified **Coolant System**				
4.	Verified **Electrical System**				
5.	Verified **Fuel System**				
6.	Verified **Hydraulic System**				
7.	Verified **Engine Oil**				
8.	Verified **Tires**				
9.	Verified **Steering System**				
10.	Verified **Belts**				
11.	Verified **Tools, Appliances, and Equipment**				
12.	Verified **Aerial Device Systems**				
13.	Verified **Operational Checks**				
14.	Appropriately recognize equipment/system problems or deficiencies.				
15.	Correct any found deficiencies or document/report them in accordance with departmental procedures/AHJ policies.				
16.	Complete inspection reports and all related vehicle maintenance forms in accordance with departmental procedures/AHJ policies.				
Notify evaluator when task is complete.					

FIRE APPARATUS DRIVER/OPERATOR - AERIAL APPARATUS

NFPA® 1010, 2024 Edition – Chapter 13 (NFPA 1002)

Skill Sheet 1: ***AERIAL OPERATIONAL APPARATUS CHECK OFF SHEET*** ***1 OF 2***

Candidate Name: _____ Evaluator: _____

YES/NO Batteries

☐ ☐ Batteries clean, secured, and corrosion free

☐ ☐ Battery water level checked (if applicable)

☐ ☐ Battery terminals tight

YES/NO Braking System

☐ ☐ Brake system inspected for air/fluid leaks

☐ ☐ Air tanks drained/purged of condensation

☐ ☐ Brakes tested for proper stopping ability

YES/NO Coolant System

☐ ☐ Coolant level verified

☐ ☐ No coolant leaks present

☐ ☐ Hoses and lines in good condition

YES/NO Electrical System

☐ ☐ Charging system operational

☐ ☐ Gauges operational

☐ ☐ Ignition system operational

☐ ☐ Vehicle lighting operational

☐ ☐ Emergency warning devices operational

YES/NO Fuel System

☐ ☐ Fuel level above ¾ tank

YES/NO Hydraulic System

☐ ☐ Hydraulic fluid level verified

☐ ☐ No hydraulic leaks present

YES/NO Engine Oil

☐ ☐ Oil level verified

☐ ☐ No oil leaks present

YES/NO Tires

☐ ☐ Tire pressure acceptable

☐ ☐ Tread depth acceptable

☐ ☐ No abnormal tire wear

YES/NO Steering System

☐ ☐ Steering linkage inspected

☐ ☐ Steering fluid level verified

☐ ☐ Steering wheel play less than 10 degrees

YES/NO Belts

☐ ☐ Proper tension verified

☐ ☐ No excessive wear, cracks, or breaks

☐ ☐ No missing belts

YES/NO Tools, Appliances, and Equipment

☐ ☐ Ground ladders inspected

☐ ☐ Hand tools inspected

☐ ☐ Power tools inspected

☐ ☐ Fixed equipment inspected

☐ ☐ Lighting equipment operational

YES/NO Aerial Device Systems

☐ ☐ Cable systems operational (if applicable)

☐ ☐ Aerial hydraulic system operational

☐ ☐ Hydraulic fluid level within specifications

☐ ☐ Slides/rollers lubricated and operational

☐ ☐ Stabilizers/outriggers operational

☐ ☐ Jacks and locking pins operational

☐ ☐ Safety systems/interlocks operational

☐ ☐ Breathing air system operational (if equipped)

☐ ☐ Communication system operational

☐ ☐ Nozzle/waterway system operational (if equipped)

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FIRE APPARATUS DRIVER/OPERATOR - AERIAL APPARATUS

NFPA® 1010, 2024 Edition – Chapter 13 (NFPA 1002)

Skill Sheet 1: AERIAL OPERATIONAL APPARATUS CHECK OFF SHEET 2 OF 2

YES/NO		Operational Checks
☐	☐	Apparatus started safely
☐	☐	Gauges and control devices monitored
☐	☐	Hydraulic pressure controls operated
☐	☐	All fixed systems and equipment operated

Final Determination:

☐ Operationally Ready

☐ Deficiencies Identified – Corrective Action Required

Candidate Comments for any box checks "NO"

PREVENTATIVE MAINTENANCE – 13.2

Skill Sheet 2: Perform Preventative Maintenance on the Aerial Device

Standard: NFPA 1010 (1002), 2024 edition

Objective: 13.2.1

TASK	The driver/operator shall perform or coordinate preventive maintenance on the aerial apparatus to ensure operational readiness and serviceability.
CANDIDATE DIRECTIVE	Given a fully equipped aerial apparatus, maintenance log, manufacturer's service recommendations, and department SOPs.
NFPA REQUISITE SKILL	The candidate shall demonstrate the ability to **use hand tools and equipment**; **recognize system problems**; and **correct any deficiency noted** according to policies and procedures.
REQUIRED EQUIPMENT	Aerial apparatus, service records, hand tools, grease/lubricant, hydraulic fluid, filters, PPE, maintenance checklists.
REQUIRED ASSISTANTS	**0**

Evaluator/candidate comments:

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IFSAC Evaluator's signature IFSAC EVALUATORS NAME - PRINTED

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IFSAC Evaluator's signature- RETEST IFSAC EVALUATORS NAME - PRINTED

☐ I acknowledge NOT passing this skill station. _____

Candidate's signature

CANDIDATE TESTING PAGE – SKILL SHEET 2 (13.2.1)

Skill Sheet 2: Perform Preventative Maintenance on the Aerial Device

Standard: NFPA 1010 (1002), 2024 edition

Objective: 13.2.1

TASK	The driver/operator shall perform or coordinate preventive maintenance on the aerial apparatus to ensure operational readiness and serviceability.				
No.	**Task Steps**	**1st Attempt**		**2nd Attempt**	
		Pass	**Fail**	**Pass**	**Fail**
1-10 Utilize AERIAL MAINTENANCE APPARATUS CHECK OFF SHEET where applicable					
1.	Verified **Preventive Maintenance Review**				
2.	Verified **Lubrication**				
3.	Verified **Hydraulic System**				
4.	Verified **Fasteners and Hardware**				
5.	Verified **Electrical System**				
6.	Verified **Safety Systems**				
7.	Verified **Generator System (If Equipped)**				
8.	Verified **Hydraulic Tool Systems (If Equipped**)				
9.	Verified **Air Systems (If Equipped)**				
10.	Verified **Fuel-Powered Portable Equipment**				
11.	Document maintenance completed and any deficiencies found.				
12.	Tag and report any component requiring repair beyond operator capability.				
Notify evaluator when task is complete.					

FIRE APPARATUS DRIVER/OPERATOR - AERIAL APPARATUS

NFPA® 1010, 2024 Edition – Chapter 13 (NFPA 1002)

Skill Sheet 2: ***AERIAL MAINTENANCE APPARATUS CHECK OFF SHEET*** ***1 OF 2***

Candidate Name: _____ Evaluator: _____

YES/NO Preventive Maintenance Review

☐ ☐ Reviewed manufacturer's service schedule

☐ ☐ Reviewed AHJ preventive maintenance policy

☐ ☐ Identified required maintenance tasks

YES/NO Lubrication

☐ ☐ Located all lubrication points

☐ ☐ Applied appropriate lubricant per manufacturer specifications

☐ ☐ Verified proper lubrication of moving components

YES/NO Hydraulic System

☐ ☐ Inspected hydraulic filters

☐ ☐ Cleaned or replaced hydraulic filters as required

☐ ☐ Checked hydraulic fluid level

☐ ☐ Refilled hydraulic fluid to manufacturer specifications

☐ ☐ Inspected hydraulic system for leaks

YES/NO Fasteners and Hardware

☐ ☐ Inspected fasteners for security

☐ ☐ Inspected fittings for leaks or damage

☐ ☐ Tightened loose fasteners and hardware

☐ ☐ Verified mounting hardware integrity

YES/NO Electrical System

☐ ☐ Inspected electrical connections

☐ ☐ Checked wiring for wear or damage

☐ ☐ Verified operation of vehicle lighting systems

☐ ☐ Verified operation of warning lights

YES/NO Safety Systems

☐ ☐ Inspected safety interlocks

☐ ☐ Verified operation of limit switches

☐ ☐ Tested emergency power functions

☐ ☐ Verified emergency shutdown features

YES/NO Generator System (If Equipped)

☐ ☐ Inspected onboard generator

☐ ☐ Started generator

☐ ☐ Verified proper operation under load

YES/NO Hydraulic Tool Systems (If Equipped)

☐ ☐ Inspected pre-plumbed hydraulic tool connections

☐ ☐ Operated hydraulic tool system

☐ ☐ Verified proper pressure and operation

YES/NO Air Systems (If Equipped)

☐ ☐ Inspected air compressor/cascade system

☐ ☐ Verified onboard air system operation

☐ ☐ Checked system pressures

☐ ☐ Verified system free of leaks

YES/NO Fuel-Powered Portable Equipment

☐ ☐ Started and operated PPV fan(s)

☐ ☐ Started and operated hydraulic power unit(s)

☐ ☐ Started and operated portable generator(s)

☐ ☐ Started and operated portable lighting equipment

☐ ☐ Verified equipment operational readiness

CONTINUED ON NEXT PAGE…….

FIRE APPARATUS DRIVER/OPERATOR - AERIAL APPARATUS

NFPA® 1010, 2024 Edition – Chapter 13 (NFPA 1002)

Skill Sheet 2: AERIAL MAINTENANCE APPARATUS CHECK OFF SHEET 2 OF 2

Candidate Comments for any box checks "NO"

OPERATIONS – 13.3

Skill Sheet 3: Position and Stabilize the Apparatus

Standard: NFPA 1010 (1002), 2024 edition
Objective: 13.3.1, 13.3.2

TASK	The driver/operator shall position, stabilize, and prepare the aerial device for operation based on incident needs and environmental conditions, ensuring the apparatus is positioned for correct aerial device deployment.
CANDIDATE DIRECTIVE	Given an aerial apparatus, a designated target/simulated structure, surface conditions (level and uneven), and an assignment to position and stabilize for operations. Given an incident location and a situation description.
NFPA REQUISITE SKILL	The ability to **determine a correct position** for the apparatus; **maneuver apparatus into that position**; **avoid obstacles** to operations; **transfer power** from the vehicle's engine to the hydraulic system; and **operate vehicle stabilization devices**.
REQUIRED EQUIPMENT	Aerial apparatus (fully equipped), wheel chocks, cribbing, stabilizer pads/ground pads/plates.
REQUIRED ASSISTANTS	**1**

Evaluator/candidate comments:

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IFSAC Evaluator's signature IFSAC EVALUATORS NAME - PRINTED

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☐ I acknowledge NOT passing this skill station. _____

Candidate's signature

CANDIDATE TESTING PAGE – SKILL SHEET 3 (13.3.1, 13.3.2)

Skill Sheet 3: Position and Stabilize the Apparatus

Standard: NFPA 1010 (1002), 2024 edition

Objective: 13.3.1, 13.3.2

TASK	The driver/operator shall position, stabilize, and prepare the aerial device for operation based on incident needs and environmental conditions, ensuring the apparatus is positioned for correct aerial device deployment.

No.	**Task Steps**	**1st Attempt**		**2nd Attempt**	
		Pass	**Fail**	**Pass**	**Fail**
	Acknowledge the task assignment to Evaluator.				
1.	Conduct a scene size-up identifying overhead obstructions, slope, and surface type.				
2.	Determine the correct position for the apparatus.				
3.	Check for overhead obstructions and ensure proper apparatus placement.				
4.	Maneuver apparatus into that position.				
5.	Maneuver and position the aerial as appropriate for objective.				
6.	Activate parking brakes and front axle lock, if equipped.				
7.	Transfer power from the engine to the hydraulic system (Engage PTO).				
8.	Properly position wheel chocks per manufacturer recommendation or AHJ policy.				
9.	Check the expected travel path of the stabilizers for obstructions and/or limiting factors.				
10.	Check the ground surface for stability and condition.				
11.	Confirm that the setup area will support the apparatus.				
12.	Transfer hydraulic power to the stabilizing system.				
13.	Deploy and properly place the stabilizer ground pads/pads/cribbing.				
14.	Properly deploy stabilizers based on topography and conditions.				
15.	Raise the apparatus to its working position and verify leveling indicators.				
16.	Lock the stabilizers per manufacturer's recommendations (holding valves, interlock feature, safety pins, or combination of features).				
17.	Fifth wheel or king pin should be locked on a Tiller, as per manufacturer/AHJ policy.				
18.	Transfer power to the aerial device.				
19.	Confirm apparatus is stable and ready for aerial operations.				
	Notify evaluator when task is complete.				

OPERATIONS – 13.3

Skill Sheet 4: Operate the Aerial Device

Standard: NFPA 1010 (1002), 2024 edition
Objective: 13.3.3, 13.3.4

TASK	The driver/operator shall operate the aerial device to its full range of motion, positioning the device safely and effectively to accomplish assigned tasks. The aerial device is maneuvered and positioned to accomplish the assignment.
CANDIDATE DIRECTIVE	Given an aerial apparatus in service-ready condition, assigned operating position, communication system, and a target location or structure. Utilizing an aerial apparatus and an assignment, the candidate shall demonstrate the ability to maneuver the device smoothly and accurately.
NFPA REQUISITE SKILL	The ability to **raise, rotate, extend, and position** to a specified location, as well as **lock, unlock, retract, lower, and bed** the aerial device.
REQUIRED EQUIPMENT	Aerial apparatus (fully equipped), PPE, communication headset/radio/hand signals, spotting guide, stabilization equipment. Three cones to be used as targets for tip placement (for accuracy).
REQUIRED ASSISTANTS	**1**

Evaluator/candidate comments:

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☐ I acknowledge NOT passing this skill station. _____

Candidate's signature

CANDIDATE TESTING PAGE – SKILL SHEET 4 (13.3.3, 13.3.4)

Skill Sheet 4: Operate the Aerial Device

Standard: NFPA 1010 (1002), 2024 edition

Objective: 13.3.3, 13.3.4

TASK	The driver/operator shall operate the aerial device to its full range of motion, positioning the device safely and effectively to accomplish assigned tasks. The aerial device is maneuvered and positioned to accomplish the assignment.

No.	**Task Steps**	**1st Attempt**		**2nd Attempt**	
		Pass	**Fail**	**Pass**	**Fail**
	Acknowledge the task assignment to Evaluator.				
1.	Wear appropriate PPE.				
2.	Confirm apparatus stability and interlock engagement.				
3.	Identify intended target based on assignment.				
4.	Release the hold down locks, if equipped.				
5.	Ensure all safety devices are in place and safely used (slide-out platforms, safety chains, guardrails, dead-man switches, etc.).				
6.	Transfer hydraulic power to the aerial device.				
7.	Check the intended path of the aerial device for obstructions (overhead, ladder cradle, cabinetry, accessories, personnel, etc.).				
8.	Operate the aerial using manufacturer controls smoothly and deliberately.				
9.	Operate the aerial smoothly from the control pedestal in the correct order: Raise, Rotate, Extend, position to a specific location, and lock the aerial device, if equipped.				
10.	Raise the aerial device from the bed to the desired height.				
11.	Rotate the aerial device towards the intended target.				
12.	Extend the aerial device towards the intended target.				
13.	Demonstrate operation at full extension, rotation, and elevation limits.				
14.	Lower/position the aerial device to the objectives according to department SOP's and manufacturers specifications.				
15.	Align aerial device ladder rungs, as necessary.				
16.	Visually check the Inclinometer for a safe climbing angle.				
17.	Clear firefighters to safely climb the aerial ladder, if applicable.				
18.	Monitor apparatus stability and aerial loads during evolution.				
19.	Maintain communication with aerial personnel throughout operation.				
20.	Maintain smooth operation of aerial operations at all times.				
21.	Return device to bed position safely, securing all locks.				
22.	Bed the aerial in order (Unlock, Raise, Retract, Rotate, Lower).				
23.	Return the aerial device to bed and properly secure as per manufacturer recommendation.				
24.	Transfer hydraulic power to stabilizers.				
	Notify evaluator when task is complete.				

OPERATIONS – 13.3

Skill Sheet 5: Operate the Aerial Device in Fireground Operations

Standard: NFPA 1010 (1002), 2024 edition
Objective: 13.3.3, 13.3.4

TASK	The driver/operator shall safely position, operate, and maneuver the aerial device during simulated or actual fireground operations to accomplish tactical objectives.
CANDIDATE DIRECTIVE	Given an aerial apparatus at a simulated or live fireground, assigned tactical function (e.g., ventilation, rescue, master stream), and an officer's order.
NFPA REQUISITE SKILL	The ability to **raise, rotate, extend, and position** to a specified location, as well as **lock, unlock, retract, lower, and bed** the aerial device.
REQUIRED EQUIPMENT	Aerial apparatus (fully equipped), PPE, communication headset/radio/hand signals, spotting guide, stabilization equipment. Three cones to be used as targets for tip placement (for accuracy).
REQUIRED ASSISTANTS	**0**

Evaluator/candidate comments:

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IFSAC Evaluator's signature IFSAC EVALUATORS NAME - PRINTED

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IFSAC Evaluator's signature- RETEST IFSAC EVALUATORS NAME - PRINTED

☐ I acknowledge NOT passing this skill station. _____

Candidate's signature

CANDIDATE TESTING PAGE – SKILL SHEET 5 (13.3.3, 13.3.4)

Skill Sheet 5: Operate the Aerial Device in Fireground Operations

Standard: NFPA 1010 (1002), 2024 edition

Objective: 13.3.3, 13.3.4

TASK	The driver/operator shall safely position, operate, and maneuver the aerial device during simulated or actual fireground operations to accomplish tactical objectives.

No.	**Task Steps**	**1st Attempt**		**2nd Attempt**	
		Pass	**Fail**	**Pass**	**Fail**
	Acknowledge the task assignment to Evaluator.				
1.	Confirm operational readiness and stabilization.				
2.	Coordinate with command for assignment (rescue, ventilation, elevated stream).				
3.	Position and operate the aerial to accomplish the task.				
4.	Maintain safe clearance and communication with interior crews.				
5.	Adjust and reposition as incident evolves.				
6.	Monitor aerial load and hydraulic systems continuously.				
7.	Return device to bed position and secure operations when complete.				
	Notify evaluator when task is complete.				

OPERATIONS – 13.3

Skill Sheet 6: Operate the Aerial Device in Rescue Operations

Standard: NFPA 1010 (1002), 2024 edition
Objective: 13.3.3, 13.3.4

TASK	The driver/operator shall operate the aerial device to safely rescue victims from elevated positions.
CANDIDATE DIRECTIVE	Given an aerial apparatus, simulated multi-story structure or training tower, and a victim to be rescued. Spotter is ONLY to assist the operator in guiding the aerial device to the objective.
NFPA REQUISITE SKILL	The ability to **raise, rotate, extend, and position** to a specified location, as well as **lock, unlock, retract, lower, and bed** the aerial device.
REQUIRED EQUIPMENT	Aerial apparatus (fully equipped), PPE, communication headset/radio/hand signals, spotting guide, stabilization equipment. Three cones to be used as targets for tip placement (for accuracy).
REQUIRED ASSISTANTS	**0**

Evaluator/candidate comments:

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CANDIDATE TESTING PAGE – SKILL SHEET 6 (13.3.3, 13.3.4)

Skill Sheet 6: Operate the Aerial Device in Rescue Operations

Standard: NFPA 1010 (1002), 2024 edition

Objective: 13.3.3, 13.3.4

TASK	The driver/operator shall operate the aerial device to safely rescue victims from elevated positions.

No.	**Task Steps**	**1st Attempt**		**2nd Attempt**	
		Pass	**Fail**	**Pass**	**Fail**
	Acknowledge the task assignment to Evaluator.				
1.	Position and stabilize apparatus for rescue.				
2.	Assess overhead hazards for deployment of the aerial device, such as overhead wires, powerlines, and trees (must verbalize).				
3.	Set Park brake and engage the PTO (chock wheels if applicable).				
4.	Verbalize assessment of surface conditions for stabilization purposes.				
5.	Stabilize the apparatus using stabilizing devices, using the leveling gauge.				
6.	Extend the aerial device to the target window or balcony.				
7.	Elevate, rotate, extend, and lower the aerial ladder or platform device level with the windowsill for RESCUE operations.				
8.	Maintain safe clearance from the building and obstacles.				
9.	Communicate with the victim and crew.				
10.	Load and secure the victim using proper techniques.				
11.	Retract and lower the aerial device smoothly to ground level.				
12.	Maintain safety and control throughout the rescue operation.				
	Notify evaluator when task is complete.				

OPERATIONS – 13.3

Skill Sheet 7: Operate the Aerial Device in Overhead Obstruction Conditions

Standard: NFPA 1010 (1002), 2024 edition
Objective: 13.3.3, 13.3.4

TASK	The driver/operator shall position and operate the aerial device safely in areas with overhead obstructions such as trees, wires, and structures.
CANDIDATE DIRECTIVE	Given an aerial apparatus, simulated obstruction environment, and assignment to place the aerial in service for operations.
NFPA REQUISITE SKILL	The ability to **raise, rotate, extend, and position** to a specified location, as well as **lock, unlock, retract, lower, and bed** the aerial device.
REQUIRED EQUIPMENT	Aerial apparatus (fully equipped), PPE, communication headset/radio/hand signals, spotting guide, stabilization equipment. Three cones to be used as targets for tip placement (for accuracy).
REQUIRED ASSISTANTS	**0**

Evaluator/candidate comments:

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CANDIDATE TESTING PAGE – SKILL SHEET 7 13.3.3, 13.3.4)

Skill Sheet 7: Operate the Aerial Device in Overhead Obstruction Conditions

Standard: NFPA 1010 (1002), 2024 edition

Objective: 13.3.3, 13.3.4

TASK	The driver/operator shall position, stabilize, and prepare the aerial device for operation based on incident needs and environmental conditions, ensuring the apparatus is positioned for correct aerial device deployment.

No.	**Task Steps**	**1st Attempt**		**2nd Attempt**	
		Pass	**Fail**	**Pass**	**Fail**
	Acknowledge the task assignment to Evaluator.				
1.	Conduct size-up and identify all overhead obstructions.				
2.	Determine safe approach and aerial path.				
3.	Position apparatus for maximum clearance.				
4.	Use spotter(s) to guide movement near obstructions.				
5.	Operate aerial device to target location maintaining safety margins.				
6.	Complete task and return aerial safely to bed position.				
7.	Evaluate clearance and note any potential hazards.				
	Notify evaluator when task is complete.				

OPERATIONS – 13.3

Skill Sheet 8: Operate the Aerial Device for Water Delivery

Standard: NFPA 1010 (1002), 2024 edition
Objective: 13.3.5

TASK	The driver/operator shall operate the aerial device as an elevated master stream, supplying and flowing water while maintaining safe operation and control.
CANDIDATE DIRECTIVE	Given an aerial apparatus with an equipped waterway, an established water supply, assigned flow objective, and standard operating procedures. The candidate demonstrates procedures to safely raise and position the elevated waterway, then flow the specified gpm.
NFPA REQUISITE SKILL	The ability to **connect a water supply** to a master stream device and **control an elevated nozzle** manually or remotely.
REQUIRED EQUIPMENT	Aerial apparatus with waterway system, pump panel (if equipped), nozzle/master stream device, supply hose, water source, pressure gauges, PPE, communication devices, spotter/engineer.
REQUIRED ASSISTANTS	**0**

Evaluator/candidate comments:

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CANDIDATE TESTING PAGE – SKILL SHEET 8 (13.3.5) 1 OF 2

Skill Sheet 8: Operate the Aerial Device for Water Delivery

Standard: NFPA 1010 (1002), 2024 edition

Objective: 13.3.5

TASK	The driver/operator shall operate the aerial device as an elevated master stream, supplying and flowing water while maintaining safe operation and control.

No.	Task Steps	1st Attempt		2nd Attempt	
		Pass	Fail	Pass	Fail
	Acknowledge the task assignment to Evaluator.				
1.	Verify aerial stabilization and all interlocks are engaged.				
2.	Establish and maintain water supply to the aerial device.				
3.	Connect an adequate water supply to the proper water inlet per department SOP's and manufacturer specifications.				
4.	Check nozzle assembly and waterway.				
5.	Prepare the ladder pipe assembly, if not a fixed waterway.				
6.	Confirm nozzle flow rate and stream pattern requirements.				
7.	Transfer hydraulic power to the aerial device.				
8.	Check the intended path of the aerial device for obstructions.				
9.	Engage pump (if equipped) and set appropriate discharge pressures per manufacturer specifications.				
10.	Position the aerial device in order (Elevate, Rotate, Extend).				
11.	Maneuver and position the aerial device as appropriate for the objective.				
12.	Operate aerial and direct stream to the assigned target area.				
13.	Smoothly open the waterway discharge valve with minimal stress and movement of the aerial device and waterway.				
14.	Discharges the correct GPM for the assigned task at the specified psi pump pressure.				
15.	Demonstrate pattern control changes, nozzle sweep, and correct volume/nozzle pressure.				
16.	Demonstrate how to manually rotate the nozzle from side to side (by remote station or manually).				
17.	Demonstrate how to manually raise and lower the nozzle (by remote station or manually, if applicable).				
18.	Demonstrate how to manually adjust the spray pattern of the nozzle (by remote station or manually, if applicable).				
19.	Demonstrate how to change from a fog nozzle to a smooth bore tip with/without a stream straightener (if applicable).				
20.	Monitor hydraulic and water pressure gauges throughout operation.				
21.	Monitors apparatus stability continually.				

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CANDIDATE TESTING PAGE – SKILL SHEET 3 (13.3.5) 2 OF 2

Skill Sheet 8: Operate the Aerial Device for Water Delivery

Standard: NFPA 1010 (1002), 2024 edition

Objective: 13.3.5

TASK	The driver/operator shall operate the aerial device as an elevated master stream, supplying and flowing water while maintaining safe operation and control.				
No.	**Task Steps**	**1st Attempt**		**2nd Attempt**	
		Pass	**Fail**	**Pass**	**Fail**
CONTINUED FROM PREVIOUS PAGE					
22.	Maintains communication with the water supply group or officer.				
23.	Adjust flow and nozzle pattern as directed.				
24.	Terminate the water flow.				
25.	Smoothly close the waterway discharge valve with minimal stress and movement of the aerial device and waterway.				
26.	Disengage the pump (or request pumper to cease flow).				
27.	Close the elevated master stream inlet valve and disconnect the water supply from the fire apparatus.				
28.	Open the waterway drain to drain the waterway pipe completely prior to repositioning the ladder (full elevation and extension).				
29.	Retract, rotate, and lower the aerial device.				
30.	Disassemble any portable ladder pipe, hose line, and/or return waterway pin to its stowed position, if applicable.				
31.	Return the proper nozzle (per AHJ policy or department SOP's) onto the aerial monitor and place the monitor in its correct stowed position.				
32.	Properly bed the aerial device.				
33.	Transfers hydraulic power to stabilizers.				
Notify evaluator when task is complete.					

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OPERATIONS – 13.3

Skill Sheet 9: Operate the Aerial Device with an External Water Supply

Standard: NFPA 1010 (1002), 2024 edition
Objective: 13.3.5

TASK	The driver/operator shall supply and operate an aerial device using an external water source (e.g., hydrant, relay pumper, or tender operation) while maintaining safe and effective flow operations.
CANDIDATE DIRECTIVE	Given an aerial apparatus, an external water source, supply lines, communication with other engineers, and a target for master stream operation.
NFPA REQUISITE SKILL	The ability to **connect a water supply** to a master stream device and **control an elevated nozzle** manually or remotely.
REQUIRED EQUIPMENT	Aerial apparatus with waterway system, pump panel (if equipped), nozzle/master stream device, supply hose, water source, pressure gauges, PPE, communication devices, spotter/engineer.
REQUIRED ASSISTANTS	**0**

Evaluator/candidate comments:

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CANDIDATE TESTING PAGE – SKILL SHEET 9 (13.3.5)

Skill Sheet 9: Operate the Aerial Device with an External Water Supply

Standard: NFPA 1010 (1002), 2024 edition

Objective: 13.3.5

TASK					
No.	**Task Steps**	**1st Attempt**		**2nd Attempt**	
		Pass	**Fail**	**Pass**	**Fail**
Acknowledge the task assignment to Evaluator.					
1.	Coordinate with the external water source operator to establish the supply line.				
2.	Connect LDH or relay line securely to the aerial intake.				
3.	Purge air and ensure water flow before charging the system.				
4.	Engage the aerial pump, if equipped, and open appropriate discharge valves.				
5.	Verify and maintain target pressure and flow at the aerial nozzle.				
6.	Communicate continuously with the supplying engine to adjust flow or pressure.				
7.	Monitor aerial stability and reaction forces under flow conditions.				
8.	Disengage and safely disconnect the supply line after operation.				
9.	Drain the system, secure the hose, and complete documentation.				
Notify evaluator when task is complete.					