DRIVER OPERATOR - PUMPER APPARATUS SKILL SHEETS

NFPA 1010, 2024 Edition – Chapter 12 (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 – Pumper Apparatus Certification** program.

The Driver/Operator – Pumper Apparatus certification is designed to verify that candidates possess the knowledge, skills, and abilities necessary to safely inspect, operate, and maintain a fire department pumper apparatus while performing pumping operations in accordance with **NFPA 1010 (2024 Edition), Chapter 12 (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 the applicable Job Performance Requirements (JPRs).

The practical examination consists of skill stations designed to evaluate your ability to perform the duties of a Driver/Operator – Pumper Apparatus. These skills include emergency communications, apparatus inspections and preventive maintenance, emergency response operations, water supply establishment, pump operations, relay pumping, foam fire stream production, and supplying fire protection systems. Candidates should be prepared to successfully complete any skill station included within the certification examination.

Each practical skill 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 pump 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 maintaining situational awareness, communicating effectively with dispatch and fireground personnel, properly positioning the apparatus, establishing a reliable water supply, operating the pump efficiently, monitoring gauges and pressure control devices, and recognizing and correcting unsafe or abnormal operating conditions. Safe operation shall always take precedence over speed.

As you prepare for your examination, remember to:

- Review each Driver/Operator – Pumper 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 operating fire department communications equipment in accordance with AHJ procedures.
- Conduct complete pumper apparatus inspections and preventive maintenance checks while identifying deficiencies and appropriate corrective actions.
- Practice establishing water supplies using hydrants, static water sources, portable water tanks, and drafting operations.
- Review proper pump engagement procedures, pressure control operations, and water flow calculations.
- Demonstrate competency in relay pumping, foam system operations, and supplying fire sprinkler and standpipe systems.

- Maintain continuous situational awareness while monitoring pump performance, apparatus operation, water supply conditions, and personnel safety.
- Communicate clearly with dispatch, incident personnel, and other operators 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** of three (3) skill sheets in the following areas.

- Preventative Maintenance Skills Sheet 2
- One (1) random Skill Sheet: 1 or 3
- One (1) random Skill Sheet: 4, 5, 6, 7, or 8

Candidates should remember that many skill stations involve critical safety considerations. Before engaging the pump or placing the apparatus into service, verify that the apparatus is properly positioned and secured, wheel chocks are deployed when appropriate, water supply connections are secure, pressure relief devices are functioning properly, and all personnel are clear of hazards. Throughout each evolution, continually monitor pump pressures, water supply, equipment performance, and changing incident conditions. If an unsafe condition develops, candidates are expected to recognize the hazard and take appropriate corrective action.

Several operational skill stations include multiple testing scenarios. For example, pump operations may require candidates to operate from the onboard water tank, a hydrant, a static water source through drafting, or transition from tank water to a hydrant without interrupting the fire stream. Candidates should be prepared to successfully perform any scenario assigned during the examination.

The practical examination is designed to evaluate your ability to safely perform the duties of a Driver/Operator – Pumper Apparatus—not simply your ability to memorize task steps. Evaluators recognize that departments throughout Idaho utilize different apparatus, pump configurations, foam systems, and operating procedures. Candidates will be evaluated on their ability to safely complete each assigned task while operating within accepted fire service practices and their department's approved procedures.

If your department utilizes procedures that differ from those commonly used by other agencies, be prepared to explain those procedures to the evaluator before beginning the skill station. 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), any required 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 – Pumper Apparatus practical examination and thank you for your continued service to the Idaho fire service.

Evaluator Introduction

Thank you for serving as an Idaho Fire Service Training (FST) IFSAC Evaluator for the **Driver/Operator – Pumper Apparatus** certification program. As an evaluator, you play a critical role in maintaining the integrity, consistency, and credibility of Idaho's certification process. Your responsibility is to evaluate each candidate fairly, objectively, and consistently 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 12 (formerly NFPA 1002)**.

The purpose of the practical examination is to verify that candidates possess the knowledge, skills, and judgment necessary to safely inspect, operate, and maintain a pumper apparatus while demonstrating competency in communications, preventive maintenance, water supply operations, pump operations, relay pumping, foam operations, and supplying fire protection systems. Candidates should demonstrate safe work practices, sound decision-making, effective communication, and compliance with their Authority Having Jurisdiction's (AHJ) policies and procedures throughout the examination.

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 the apparatus, equipment, water supply, and required resources are available and operational before testing begins.
- Review the assigned skill sheet and evaluation criteria before each examination.
- Read the candidate directive exactly as written on the official Idaho Fire Service Training Skill Sheet.
- Observe the candidate's performance without coaching, prompting, or providing instructional assistance.
- Evaluate only the actions demonstrated 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, equipment, or property at unnecessary risk.
- Refer procedural questions, unusual circumstances, or disputes to the Lead Evaluator.

Evaluator Expectations
This is a **certification examination**, not a training exercise. Evaluators are responsible for determining whether the candidate has demonstrated competency—not for teaching, coaching, or correcting deficiencies during the examination.

Departments throughout Idaho utilize different pumper apparatus, pump configurations, foam systems, valves, controls, and operating procedures. Candidates should not be penalized for using department-specific procedures or apparatus-specific operating methods provided those procedures:

- Meet the applicable Job Performance Requirements.
- Comply with AHJ policies and procedures.
- Follow manufacturer recommendations.
- Can be performed safely and effectively.

Evaluators should focus on the candidate's ability to safely accomplish the assigned objective rather than expecting identical techniques from every department.

Safety
Safety is the highest priority during every practical examination.

Evaluators shall ensure:

- The apparatus is mechanically safe and ready for testing.
- The testing site is appropriate for the assigned skill and free from unnecessary hazards.
- Adequate water supply is available for operational testing.
- Required personnel, assistants, and safety observers are in position before testing begins.
- Appropriate Personal Protective Equipment (PPE) is worn when required.
- Pump operations are conducted within the manufacturer's operating limits.
- Hose lines, appliances, and equipment are properly secured before charging.
- Water is discharged only when personnel are clear and it is safe to do so.

If an unsafe act or condition occurs that places personnel, equipment, or the public at risk, the evaluator shall immediately stop the evolution. The Lead Evaluator will determine whether the candidate has failed the skill station or whether the evaluation may continue.

Candidate Interaction
Evaluators shall establish a professional and respectful testing environment for every candidate.

Before each skill station:

- Introduce yourself to the candidate.
- Verify the candidate understands the assignment.
- Read the candidate directive exactly as written.
- Answer questions regarding the assignment before testing begins.
- Ensure the candidate has the required equipment and resources.

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

Following completion of the skill station, evaluators may discuss the evaluation process with the candidate in a private setting consistent with Idaho Fire Service Training testing procedures. Discussions regarding scoring shall remain confidential and should not occur in the presence of other candidates.

Scoring
Candidates shall be evaluated using only the criteria contained within the official Idaho Fire Service Training Skill Sheets.

Evaluators shall:

- Evaluate each performance step as written.
- Record comments when clarification is necessary.
- Identify any critical safety concerns or automatic failure criteria.
- Ensure all evaluation forms are complete, accurate, and legible.
- Sign all required documentation before submitting it to the Lead Evaluator.

Consistency among evaluators is essential to maintaining a fair, objective, and defensible statewide certification program.

Professionalism

As an Idaho Fire Service Training Evaluator, you represent both the Idaho Division of Career Technical Education (IDCTE) and the Idaho fire service. Your professionalism, integrity, and commitment to objective evaluation ensure that every Driver/Operator – Pumper Apparatus certification reflects demonstrated competency and safe operational performance.

By applying the evaluation criteria consistently and treating every candidate with fairness and respect, you help ensure that Idaho's certified Driver/Operators possess the knowledge, skills, and judgment necessary to safely operate pumper apparatus during emergency and non-emergency incidents. Thank you for your dedication to Idaho Fire Service Training and for your commitment to maintaining the quality, consistency, and credibility of Idaho's statewide certification program. Your service as an evaluator directly contributes to the safety of Idaho firefighters and the communities they serve.

THIS PAGE INTENTIONALLY LEFT BLANK

COMMUNICATIONS– 12.2

Skill Sheet 1: Dispatch Communications

Standard: NFPA 1010 (1002), 2024 edition

Objective: 12.2.1, 12.2.2

TASK	Initiate the response to a reported emergency and transmit and receive communications using fire department communications equipment and technology in accordance with AHJ policies and procedures.
CANDIDATE DIRECTIVE	Given a reported emergency, fire department SOPs, communications equipment, and operating procedures, initiate the response by obtaining and relaying critical information to dispatch. Demonstrate the ability to transmit and receive communications accurately, completely, and clearly while distinguishing between routine and emergency radio traffic. All communications shall be conducted in accordance with AHJ policies and within established timeframes.
NFPA REQUISITE SKILL	Operate fire department communications equipment and technology. Relay information accurately. Record information appropriately. Operate communications equipment and technology. Discriminate between routine and emergency traffic.
REQUIRED EQUIPMENT	Portable radio, Mobile radio, **Dispatch communication scenario (provided by FST),** AHJ communications SOP/SOG, Incident information worksheet or dispatch form, Writing utensil
REQUIRED ASSISTANTS	**1**

Evaluator/candidate comments:

_____

_____

_____

IFSAC Evaluator's signature IFSAC EVALUATORS NAME - PRINTED

_____

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 (12.2.1, 12.2.2)

Skill Sheet 1: Dispatch Communications

Standard: NFPA 1010 (1002), 2024 edition

Objective: 12.2.1, 12.2.2

TASK					
No.	**Task Steps**	**1st Attempt**		**2nd Attempt**	
		Pass	**Fail**	**Pass**	**Fail**
Acknowledge the task assignment to Evaluator.					
1.	Obtains critical incident information				
2.	Operates communications equipment correctly				
3.	Relays information accurately and completely				
4.	Uses proper radio terminology				
5.	Demonstrates clear and concise communications				
6.	Distinguishes between routine and emergency traffic				
7.	Prioritizes emergency communications appropriately				
8.	Records information according to AHJ procedures				
9.	Complies with AHJ communication policies				
10.	Completes communications within required timeframe				
Notify evaluator when task is complete.					

PREVENTATIVE MAINTENANCE – 12.3

Skill Sheet 2: Perform Preventive Maintenance on Pumping Apparatus

Standard: NFPA 1010 (1002), 2024 edition

Objective: 12.3.1

TASK	Perform the visual and operational checks on the systems and components specified for a pumper apparatus to verify operational readiness.
CANDIDATE DIRECTIVE	Given a pumper apparatus, manufacturer specifications, AHJ policies and procedures, and the necessary hand tools, perform visual and operational checks on the water tank, extinguishing agent systems, pumping systems, and foam systems. Identify deficiencies and describe corrective actions in accordance with AHJ policies and procedures.
NFPA REQUISITE SKILL	Use hand tools. Recognize system problems. Correct any deficiency noted according to policies and procedures.
REQUIRED EQUIPMENT	Pumper apparatus, Manufacturer specifications, Flashlight, Clipboard and pen, Appropriate hand tools, PPE as required by AHJ, **PUMPER MAINTENANCE APPARATUS CHECK OFF SHEET**
REQUIRED ASSISTANTS	**0**

Evaluator/candidate comments:

_____

_____

_____

IFSAC Evaluator's signature IFSAC EVALUATORS NAME - PRINTED

_____

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 (12.3.1)

Skill Sheet 2: Perform Preventive Maintenance on Pumping Apparatus

Standard: NFPA 1010 (1002), 2024 edition

Objective: 12.3.1

TASK	Perform the visual and operational checks on the systems and components specified for a pumper apparatus to verify operational readiness.

No.	**Task Steps**	**1st Attempt**		**2nd Attempt**	
		Pass	**Fail**	**Pass**	**Fail**
1-4 Utilize PUMPER MAINTENANCE APPARATUS CHECK OFF SHEET where applicable					
1.	Verified Water Tank System				
2.	Verified Foam System (If equipped)				
3.	Verified Pumping System				
4.	Verified Operational Check				
5.	Verified and operated controls				
6.	Utilized appropriate hand tools where applicable				
7.	Identifies any deficiencies.				
8	States appropriate corrective action.				
9.	Completes inspection documentation.				
Notify evaluator when task is complete.					

FIRE APPARATUS DRIVER/OPERATOR - PUMPER APPARATUS

NFPA® 1010, 2024 Edition – Chapter 12 (NFPA 1002)

Skill Sheet 2: ***PUMPER MAINTENANCE APPARATUS CHECK OFF SHEET***

Candidate Name: _____ Evaluator: _____

YES/NO Water Tank System

☐ ☐ Water tank level verified
☐ ☐ Water tank gauge operational
☐ ☐ No visible tank leaks
☐ ☐ Tank fill connections inspected
☐ ☐ Tank-to-pump valve operational

YES/NO Foam System (If Equipped)

☐ ☐ Foam concentrate level verified
☐ ☐ Foam tank secure
☐ ☐ No foam system leaks
☐ ☐ Foam controls operational
☐ ☐ Foam proportioning system operational

YES/NO Pumping System

☐ ☐ Pump panel inspected
☐ ☐ Intake valves operational
☐ ☐ Discharge valves operational
☐ ☐ Intake strainer inspected and cleaned
☐ ☐ Pump primer operational
☐ ☐ Pressure control device operational
☐ ☐ Pump gearbox oil level acceptable
☐ ☐ No water contamination in gearbox oil
☐ ☐ Gauges operational
☐ ☐ Pump shift operational

YES/NO Operational Check

☐ ☐ Apparatus started safely
☐ ☐ Pump engaged properly
☐ ☐ Pump pressure established
☐ ☐ Pump controls operated correctly
☐ ☐ No unusual noises or vibrations

Candidate Comments for any box checks "NO"

*****THIS PAGE INTENTIONALLY LEFT BLANK*****

OPERATIONS – 12.4

Skill Sheet 3: Emergency Response and Work Area Operations

Standard: NFPA 1010 (1002), 2024 edition
Objective: 12.4.1, 12.4.2

TASK	Respond on an apparatus to an emergency scene and establish and operate in a protected work area utilizing safety equipment, traffic control devices, and AHJ operating procedures.
CANDIDATE DIRECTIVE	Given an emergency or nonemergency incident scenario, a fire apparatus, safety equipment, traffic and scene control devices, and AHJ SOPs, demonstrate the ability to safely mount and dismount the apparatus, utilize seat belts while the vehicle is in motion, establish a protected work area, deploy traffic and scene control devices, and perform assigned tasks within the established work area.
NFPA REQUISITE SKILL	Use each piece of provided safety equipment. Use safety equipment. Deploy traffic and scene control devices. Dismount apparatus. Establish and operate in protected work areas as directed.
REQUIRED EQUIPMENT	Fire apparatus, Seat belts, High-visibility vest (if required by AHJ), Traffic cones, Flares or warning devices (if used by AHJ), Scene barrier tape, Portable radio, PPE required by AHJ
REQUIRED ASSISTANTS	**1**

Evaluator/candidate comments:

_____

_____

_____

IFSAC Evaluator's signature IFSAC EVALUATORS NAME - PRINTED

_____

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

☐ I acknowledge NOT passing this skill station. _____

Candidate's signature

CANDIDATE TESTING PAGE – SKILL SHEET 3 (12.4.1, 12.4.2)

Skill Sheet 3: Emergency Response and Work Area Operations

Standard: NFPA 1010 (1002), 2024 edition

Objective: 12.4.1, 12.4.2

TASK	Respond on an apparatus to an emergency scene and establish and operate in a protected work area utilizing safety equipment, traffic control devices, and AHJ operating procedures.

No.	Task Steps	1st Attempt		2nd Attempt	
		Pass	Fail	Pass	Fail
	Acknowledge the task assignment to Evaluator.				
1.	Properly mounts apparatus				
2.	Uses seat belt while apparatus is in motion.				
3.	Utilizes required safety equipment.				
4.	Arrives at assigned incident location.				
5.	Safely dismounts apparatus using three points of contact.				
6.	Assesses traffic and scene hazards.				
7.	Deploys traffic control devices.				
8.	Establishes a protected work area.				
9.	Positions warning devices appropriately.				
10.	Maintains situational awareness.				
11.	Operates only within the protected work area.				
12.	Performs assigned task within established work area.				
13.	Maintains communication with incident personnel.				
14.	Follows AHJ SOPs throughout the evolution.				
	Notify evaluator when task is complete.				

OPERATIONS – 12.4

Skill Sheet 4: Water Supply Operations

Standard: NFPA 1010 (1002), 2024 edition
Objective: 12.4.3

TASK	Connect a fire department pumper to a water supply as a member of a team.
CANDIDATE DIRECTIVE	Given a pumper apparatus, supply hose, intake hose, hose tools, a fire hydrant or static water source, and AHJ policies and procedures, establish a water supply for fire suppression operations. The candidate shall connect the pumper to the assigned water source, ensure all connections are secure, establish unobstructed water flow, and safely operate all equipment in accordance with AHJ procedures.
NFPA REQUISITE SKILL	Hand lay a supply hose. Connect and place hard suction hose for drafting operations. Deploy portable water tanks and the equipment necessary to transfer water between and draft from them. Make hydrant-to-pumper hose connections for forward and reverse lays. Connect supply hose to a hydrant. Fully open and close the hydrant.
REQUIRED EQUIPMENT	Fire department pumper, Supply hose, Intake hose, Hard suction hose, Hydrant wrench, Spanner wrench, Fire hydrant, Portable water tank (if applicable), Static water source (if applicable), Strainer, Wheel chocks, PPE required by AHJ
REQUIRED ASSISTANTS	**1**

Evaluator/candidate comments:

_____

_____

_____

IFSAC Evaluator's signature IFSAC EVALUATORS NAME - PRINTED

_____

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

☐ I acknowledge NOT passing this skill station. _____

Candidate's signature

CANDIDATE TESTING PAGE – SKILL SHEET 4 (12.4.3)

Skill Sheet 4: Water Supply Operations

Standard: NFPA 1010 (1002), 2024 edition

Objective: 12.4.3

TASK					
No.	**Task Steps**	**1st Attempt**		**2nd Attempt**	
		Pass	**Fail**	**Pass**	**Fail**
Acknowledge the task assignment to Evaluator.					
1.	Utilizes required PPE.				
2.	Safely exits apparatus.				
3.	Deploys wheel chocks as required.				
4.	Selects appropriate water supply equipment.				
5.	Deploys supply hose.				
6.	Connects supply hose to pumper intake.				
7.	Connects supply hose to hydrant or water source.				
8.	Uses appropriate hose tools.				
9.	Completes forward lay or reverse lay as assigned.				
10.	Fully opens hydrant.				
11.	Verifies unobstructed water flow.				
12.	Checks for leaks and tightens connections if necessary.				
13.	Deploys hard suction hose when assigned to draft.				
14.	Connects strainer when drafting.				
15.	Positions hard suction hose correctly.				
16.	Deploys portable water tank when assigned.				
17.	Transfers water between tanks when assigned.				
18.	Establishes draft when assigned.				
19.	Properly closes hydrant upon completion.				
20.	Drains and disconnects equipment safely.				
21.	Returns equipment to service condition.				
Notify evaluator when task is complete.					

OPERATIONS – 12.4

Skill Sheet 5: Pump Operations and Fire Stream Production

Standard: NFPA 1010 (1002), 2024 edition

Objective: 12.4.4

TASK	Produce effective hand or master streams from various water sources while maintaining safe and effective pump operations.
CANDIDATE DIRECTIVE	Given a fire department pumper, hose lines, nozzles, appliances, a water source, and AHJ policies and procedures, establish and maintain an effective handline or master stream operation. The candidate shall engage the pump, establish the appropriate water supply, achieve and maintain the rated nozzle flow, operate all pressure control and safety devices, and continuously monitor the apparatus for operational problems. **The evaluator will assign one of the following water sources scenarios:** ☐ #1- Internal Tank Operation ☐ #2- Hydrant Operation ☐ #3- Drafting Operation ☐ #4- Tank-to-Hydrant Transition
NFPA REQUISITE SKILL	Position a pumper to operate at a fire hydrant and a static water source. Transfer power from the vehicle engine to the pump. Draft from a static water source. Operate pumper pressure control systems. Operate the volume/pressure transfer valve (multistage pumps only). Operate auxiliary cooling systems. Transition between internal and external water sources. Assemble hose lines, nozzles, valves, and appliances.
REQUIRED EQUIPMENT	Fire department pumper, Water tank, Hydrant or pressurized water source, Static water source (if applicable), Hose lines, Nozzles, Master stream device (if applicable), Valves and appliances, Hard suction hose (if applicable), Drafting equipment (if applicable), Wheel chocks, PPE required by AHJ
REQUIRED ASSISTANTS	**1**

Evaluator/candidate comments:

_____

_____

_____

IFSAC Evaluator's signature IFSAC EVALUATORS NAME - PRINTED

_____

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

☐ I acknowledge NOT passing this skill station. _____

Candidate's signature

THIS PAGE INTENTIONALLY LEFT BLANK

CANDIDATE TESTING SCENARIOS PAGE – SKILL SHEET 3 (12.4.4)

Skill Sheet 5: Pump Operations and Fire Stream Production

Standard: NFPA 1010 (1002), 2024 edition
Objective: 12.4.4

Testing Scenarios

☐ **Scenario 1 – Internal Tank Operation**
Supply a 1¾-inch attack line from the onboard water tank and maintain the rated nozzle flow.

☐ **Scenario 2 – Hydrant Operation**
Supply a handline or master stream from a pressurized hydrant source while maintaining proper pump pressures.

☐ **Scenario 3 – Drafting Operation**
Draft from a static water source and supply a handline while maintaining uninterrupted water flow.

☐ **Scenario 4 – Tank-to-Hydrant Transition**
Begin operations from the onboard water tank and transition to a hydrant water supply without interrupting the fire stream.

CANDIDATE TESTING PAGE – SKILL SHEET 5 (12.4.4)

Skill Sheet 5: Pump Operations and Fire Stream Production

Standard: NFPA 1010 (1002), 2024 edition
Objective: 12.4.4

TASK					
No.	**Task Steps**	**1st Attempt**		**2nd Attempt**	
		Pass	**Fail**	**Pass**	**Fail**
Acknowledge the task assignment to Evaluator.					
1.	Utilizes required PPE.				
2.	Positions apparatus appropriately for assigned water source.				
3.	Chocks apparatus wheels.				
4.	Engages pump correctly.				
5.	Verifies pump engagement indicators.				
6.	Assembles hose lines, nozzles, valves, and appliances.				
7.	Charges attack line.				
8.	Establishes appropriate discharge pressure.				
9.	Operates pressure control device.				
10.	Achieves rated nozzle flow.				
11.	Maintains rated nozzle flow.				
12.	Monitors intake pressure.				
13.	Monitors discharge pressure.				
14.	Monitors engine temperature.				
15.	Monitors warning indicators and gauges.				
16.	Operates auxiliary cooling system when required.				
17.	Operates volume/pressure transfer valve when applicable.				
18.	Establishes draft when assigned.				
19.	Maintains draft when assigned.				
20.	Transfers from internal tank to external water source when assigned.				
21.	Maintains uninterrupted water flow during transfer.				
22.	Produces effective handline or master stream.				
23.	Recognizes and corrects operational problems.				
24.	Secures pump operations upon completion.				
25.	Returns apparatus to service condition.				
Notify evaluator when task is complete.					

OPERATIONS – 12.4

Skill Sheet 6: Relay Pumping Operations

Standard: NFPA 1010 (1002), 2024 edition
Objective: 12.4.5

TASK	Pump a relay supply line of 2½-inch (65 mm) or larger hose to provide the required flow and intake pressure to the next pumper in the relay operation.
CANDIDATE DIRECTIVE	Given a relay pumping evolution, a pumper apparatus, relay supply hose, the desired flow rate, required intake pressure, and AHJ policies and procedures, establish and maintain relay pumping operations. The candidate shall engage the pump, provide the required flow and pressure to the next apparatus in the relay, monitor all operating conditions, and safely maintain uninterrupted water delivery throughout the evolution. **The evaluator will assign one of the following water sources scenarios:** ☐#1- Rural Structure Fire ☐ #2 Commercial Fire Hydrant Relay ☐ #3- Static Water Source Relay ☐ #4- Tank-to-Relay Transition
NFPA REQUISITE SKILL	Position a pumper to operate at a fire hydrant and at a static water source. Transfer power from the vehicle engine to the pump. Draft from a static water source. Operate pumper pressure control systems. Operate the volume/pressure transfer valve (multistage pumps only). Operate auxiliary cooling systems. Transition between internal and external water sources. Assemble hose lines, valves, nozzles, and appliances.
REQUIRED EQUIPMENT	Fire department pumper, Relay supply hose (2½-inch or larger), Hydrant or water source, Static water source (if applicable), Hard suction hose (if applicable), Intake hose, Hose appliances, Pressure gauges, Wheel chocks, Portable radio, PPE required by AHJ
REQUIRED ASSISTANTS	**1**

Evaluator/candidate comments:

_____

_____

_____

IFSAC Evaluator's signature IFSAC EVALUATORS NAME - PRINTED

_____

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

☐ I acknowledge NOT passing this skill station. _____

Candidate's signature

*****THIS PAGE INTENTIONALLY LEFT BLANK*****

CANDIDATE TESTING SCENARIOS PAGE – SKILL SHEET 3 (12.4.5)

Skill Sheet 6: Relay Pumping Operations

Standard: NFPA 1010 (1002), 2024 edition
Objective: 12.4.5

Testing Scenarios

☐ **Scenario 1 – Rural Structure Fire**
Engine 1 is drafting from a portable water tank supplied by water tenders. Engine 2 is positioned 1,000 feet away at a residential structure fire and is supplying two attack lines. The candidate shall operate Engine 1 and provide a continuous relay water supply of 500 GPM to Engine 2 while maintaining a minimum intake pressure of 20 PSI.

☐ **Scenario 2 – Commercial Fire Hydrant Relay**
Engine 1 is connected to a municipal hydrant located 1,500 feet from a commercial structure fire. Engine 2 is positioned at the fire scene and requires 1,000 GPM for fire attack operations. The candidate shall operate Engine 1 and provide the required flow and pressure through the relay line while maintaining a minimum intake pressure of 20 PSI at Engine 2.

☐ **Scenario 3 – Static Water Source Relay**
Engine 1 is drafting from a pond located 800 feet from a barn fire. Engine 2 is positioned at the incident and supplying a master stream device. The candidate shall establish relay pumping operations and maintain a continuous fire flow of 750 GPM to Engine 2 without interrupting water delivery.

☐ **Scenario 4 – Tank-to-Relay Transition**
Engine 2 is operating from its onboard water tank at a working structure fire. Engine 1 is assigned to establish a relay water supply from a hydrant located 1,200 feet away. The candidate shall operate Engine 1, establish the relay, and ensure Engine 2 successfully transitions from tank water to the external water supply without interruption of the fire stream.

CANDIDATE TESTING PAGE – SKILL SHEET 6 (12.4.5)

Skill Sheet 6: Relay Pumping Operations

Standard: NFPA 1010 (1002), 2024 edition

Objective: 12.4.5

TASK	Pump a relay supply line of 2½-inch (65 mm) or larger hose to provide the required flow and intake pressure to the next pumper in the relay operation.

No.	**Task Steps**	**1st Attempt**		**2nd Attempt**	
		Pass	**Fail**	**Pass**	**Fail**
	Acknowledge the task assignment to Evaluator.				
1.	Utilizes required PPE.				
2.	Positions apparatus appropriately				
3.	Chocks apparatus wheels.				
4.	Engages pump correctly.				
5.	Verifies pump engagement indicators.				
6.	Connects relay supply hose.				
7.	Establishes water supply from assigned source.				
8.	Charges relay hose safely.				
9.	Calculates or determines required discharge pressure.				
10.	Establishes required relay pumping pressure.				
11.	Provides specified intake pressure to receiving pumper.				
12.	Maintains required flow rate.				
13.	Operates pressure control system appropriately.				
14.	Monitors intake pressure.				
15.	Monitors discharge pressure.				
16.	Monitors engine temperature.				
17.	Monitors warning indicators and gauges.				
18.	Operates auxiliary cooling system when required.				
19.	Operates volume/pressure transfer valve when applicable.				
20.	Establishes draft when assigned.				
21.	Maintains uninterrupted water flow.				
22.	Communicates with receiving pumper.				
23.	Recognizes and corrects operational problems.				
24.	Safely shuts down relay operation.				
25.	Returns apparatus to service condition.				
	Notify evaluator when task is complete.				

OPERATIONS – 12.4

Skill Sheet 7: Foam Fire Stream Operations

Standard: NFPA 1010 (1002), 2024 edition
Objective: 12.4.6

TASK	Produce a foam fire stream utilizing foam-producing equipment.
CANDIDATE DIRECTIVE	Given a pumper apparatus, foam concentrate, foam proportioning equipment, foam stream equipment, and AHJ policies and procedures, produce a foam fire stream. The candidate shall properly connect and operate the foam proportioning system, establish the required foam concentration, and provide a quality foam stream to the discharge device. **The evaluator will assign one of the following water sources scenarios:** ☐#1- Class B Fuel Spill ☐ #2 Vehicle Fire Exposure Protection ☐ #3- Bulk Fuel Storage Incident ☐ #4- Foam System Troubleshooting
NFPA REQUISITE SKILL	Operate foam proportioning equipment. Connect foam stream equipment.
REQUIRED EQUIPMENT	Fire department pumper, Foam concentrate, Foam proportioning system, Foam eductor or onboard foam system, Foam nozzle or foam appliance, Hose line, Water supply, Wheel chocks, PPE required by AHJ, Manufacturer operating instructions (if required)
REQUIRED ASSISTANTS	**1**

Evaluator/candidate comments:

_____

_____

_____

IFSAC Evaluator's signature IFSAC EVALUATORS NAME - PRINTED

_____

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

☐ I acknowledge NOT passing this skill station. _____

Candidate's signature

*****THIS PAGE INTENTIONALLY LEFT BLANK*****

CANDIDATE TESTING SCENARIOS PAGE – SKILL SHEET 3 (12.4.6)

Skill Sheet 7: Foam Fire Stream Operations

Standard: NFPA 1010 (1002), 2024 edition
Objective: 12.4.6

Testing Scenarios

☐ **Scenario 1 – Class B Fuel Spill**
Produce a 3% foam solution utilizing an onboard foam system and foam nozzle to protect a simulated flammable liquid spill.

☐ **Scenario 2 – Vehicle Fire Exposure Protection**
Operate a foam eductor and foam nozzle to produce a foam blanket protecting exposures adjacent to a vehicle fire.

☐ **Scenario 3 – Bulk Fuel Storage Incident**
Utilize the apparatus foam system to produce a foam stream for application to a simulated fuel storage fire requiring continuous foam application.

☐ **Scenario 4 – Foam System Troubleshooting**
During foam operations, the evaluator introduces a simulated foam proportioning problem. The candidate must identify the issue and take appropriate corrective action while maintaining safe operations.

CANDIDATE TESTING PAGE – SKILL SHEET 7 (12.4.6)

Skill Sheet 7: Foam Fire Stream Operations

Standard: NFPA 1010 (1002), 2024 edition
Objective: 12.4.6

TASK	Produce a foam fire stream utilizing foam-producing equipment.				
No.	**Task Steps**	**1st Attempt**		**2nd Attempt**	
		Pass	**Fail**	**Pass**	**Fail**
Acknowledge the task assignment to Evaluator.					
1.	Utilizes required PPE.				
2.	Positions apparatus appropriately				
3.	Chocks apparatus wheels.				
4.	Establishes water supply.				
5.	Engages pump properly.				
6.	Verifies pump engagement indicators.				
7.	Identifies correct foam concentrate.				
8.	Verifies foam concentrate level.				
9.	Connects foam proportioning equipment.				
10.	Connects foam stream equipment.				
11.	Selects proper foam percentage.				
12.	Operates foam proportioning system.				
13.	Charges foam line safely.				
14.	Produces foam fire stream.				
15.	Verifies proper foam quality.				
16.	Monitors foam concentrate usage.				
17.	Monitors apparatus gauges and pressures.				
18.	Recognizes and corrects operational problems.				
19.	Secures foam operation upon completion.				
20.	Flushes equipment as required by manufacturer or AHJ procedures.				
21.	Returns apparatus to service condition.				
Notify evaluator when task is complete.					

OPERATIONS – 12.4

Skill Sheet 8: Fire Sprinkler and Standpipe Supply Operations

Standard: NFPA 1010 (1002), 2024 edition
Objective: 12.4.7

TASK	Supply water to a fire sprinkler or standpipe system at the required pressure and flow.
CANDIDATE DIRECTIVE	Given a pumper apparatus, a fire sprinkler or standpipe system, system information, a water source, and AHJ policies and procedures, supply water to the system. The candidate shall establish a water supply, engage the pump, provide the required volume and pressure, monitor apparatus performance, and maintain uninterrupted water delivery to the fire protection system. **The evaluator will assign one of the following water sources scenarios:** ☐#1- Class B Fuel Spill ☐ #2 Vehicle Fire Exposure Protection ☐ #3- Bulk Fuel Storage Incident ☐ #4- Foam System Troubleshooting
NFPA REQUISITE SKILL	Position a pumper to operate at a fire hydrant and at a static water source. Transfer power from vehicle engine to pump. Draft from a static water source. Operate pumper pressure control systems. Operate the volume/pressure transfer valve (multistage pumps only). Operate auxiliary cooling systems. Transition between internal and external water sources. Assemble hose lines, valves, nozzles, and appliances.
REQUIRED EQUIPMENT	Fire department pumper, Fire department connection (FDC), Sprinkler or standpipe system information sheet, Supply hose, LDH or intake hose, Hydrant or static water source, Hard suction hose (if drafting), Hose appliances, Hydrant wrench, Spanner wrench, Wheel chocks, Portable radio, PPE required by AHJ
REQUIRED ASSISTANTS	**1**

Evaluator/candidate comments:

_____

_____

_____

IFSAC Evaluator's signature IFSAC EVALUATORS NAME - PRINTED

_____

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

☐ I acknowledge NOT passing this skill station. _____

Candidate's signature

*****THIS PAGE INTENTIONALLY LEFT BLANK*****

CANDIDATE TESTING SCENARIOS PAGE – SKILL SHEET 8 (12.4.7)

Skill Sheet 8: Fire Sprinkler and Standpipe Supply Operations

Standard: NFPA 1010 (1002), 2024 edition
Objective: 12.4.7

Testing Scenarios

☐ **Scenario 1 – Sprinkler System Support**
A commercial building sprinkler system has activated. Connect to the FDC and provide 150 PSI to support the sprinkler system while maintaining uninterrupted water supply.

☐ **Scenario 2 – High-Rise Standpipe Operation**
Fire crews are operating on the fifth floor of a commercial structure utilizing the standpipe system. Supply the standpipe system through the FDC at the pressure specified by the Incident Commander.

☐ **Scenario 3 – Drafting to Sprinkler System**
No hydrants are available. Establish a draft from a static water source and supply water to the sprinkler system through the FDC.

☐ **Scenario 4 – Water Source Transition**
Initially supply the system using the onboard water tank. Transition to a hydrant water source without interrupting water delivery to the sprinkler or standpipe system.

CANDIDATE TESTING PAGE – SKILL SHEET 8 (12.4.7)

Skill Sheet 8: Fire Sprinkler and Standpipe Supply Operations

Standard: NFPA 1010 (1002), 2024 edition
Objective: 12.4.7

TASK	Supply water to a fire sprinkler or standpipe system at the required pressure and flow.				
No.	**Task Steps**	**1st Attempt**		**2nd Attempt**	
		Pass	**Fail**	**Pass**	**Fail**
	Acknowledge the task assignment to Evaluator.				
1.	Utilizes required PPE.				
2.	Positions apparatus appropriately.				
3.	Chocks apparatus wheels.				
4.	Identifies system type (sprinkler or standpipe).				
5.	Reviews provided system information.				
6.	Determines required discharge pressure.				
7.	Establishes water supply from assigned source.				
8.	Engages pump properly.				
9.	Verifies pump engagement indicators.				
10.	Connects hose to fire department connection (FDC).				
11.	Charges supply line safely.				
12.	Establishes required discharge pressure.				
13.	Supplies water to system.				
14.	Maintains required flow and pressure.				
15.	Operates pressure control system appropriately.				
16.	Monitors intake pressure.				
17.	Monitors discharge pressure.				
18.	Monitors engine temperature.				
19.	Monitors warning indicators and gauges.				
20.	Operates auxiliary cooling system when required.				
21.	Operates volume/pressure transfer valve when applicable.				
22.	Establishes draft when assigned.				
23.	Transitions between water sources when assigned.				
24.	Maintains uninterrupted water supply.				
25.	Recognizes and corrects operational problems.				
26.	Communicates system status to Incident Commander.				
27.	Secures pump operations upon completion.				
28.	Returns apparatus to service condition.				
	Notify evaluator when task is complete.				