



Daily Quick Drills

Volume 11, Numbers 1-10





The daily quick drill is designed to assist the company officer in delivery of a quick review of a department policy or procedure. Reviews of basic firefighting, ems and special response situations should be referenced to appropriate



DESCRIPTION: This JPR Training Guideline follows the format identified in NFPA 1001, Standard for Firefighter Professional Qualifications 1997 Edition. Knowledge, skill, performance and topic description are referenced from the Certified Firefighter. Other materials are referenced as needed.

JPR Duty Area: Prevention, Preparedness, and Maint. (FF3) Subject: Preplanning

<u>Job Performance Requirement</u>: Prepare a pre-incident survey, given forms, necessary tools, and an assignment, so that all required occupancy information is recorded, items of concern are noted, and accurate sketches or diagrams are prepared.

GVFD#	Skill / Knowledge / Performance / Topic Description	NFPA#	Standard	Validated
	Identify smoke, flame and heat-detection alarm systems + (panel location)	4-22.9	Pass/Fail	
	Identify how fire spreads through air conditioning and utility ducts		Pass/Fail	
	Identify the functions of automatic and manual controls of air conditioning and utility ducts		Pass/Fail	
	Identify the location and appearance of the following control and operating valves of a sprinkler system: OS & Y, Post Indicator, Wall Post Indicator	4-20.3	Pass/Fail	
	Identify the dangers of using hydrants to supply hose streams when the same water system is supplying the automatic sprinkler system	4-20.6	Pass/Fail	
	Identify the difference between an automatic sprinkler system that affords complete and a partial sprinkler system	4-20.7	Pass/Fail	
	Identify the following types of sprinkler systems: Wet pipe, dry, deluge, residential	4-20.8	Pass/Fail	
	Identify the automatic sprinkler requirements for rack storage		Pass/Fail	
	Identify the location and use of fire department key box entry systems		Pass/Fail	
	Demonstrate preparation of a prefire plan that includes diagrams or sketches of a building to record the location of items of concern	4-22.1	Pass/Fail	V

GENERAL TASK STATEMENT:

• Prepare or review preplans of selected occupancies within the district

Prerequisite Knowledge

- Sources of water supply
- Fundamentals of fire suppression and detection systems
- Common symbols used in diagramming construction features
- Utility locations
- Importance of accurate information

Prerequisite Skills

- Ability to identify the components of fire detection and suppression systems
- Completion of department forms
- Proper dissemination of information within the department
- Interpersonal relations skills with site representatives

Validation Synopsis

1. Complete site visit or use existing preplan information to review in-district target hazards.

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JPR Duty Area: Fireground Operations (FF2) Subject: Ground Ladders

<u>Job Performance Requirement</u>: Set up ground ladders, given single and extension ladders, an assignment, and team members as appropriate, so that hazards are assessed, the ladder is stable, the angle is proper for climbing, extension ladders are extended to the proper height with the fly locked, the top is placed against a reliable structural component, and the assignment is accomplished

GVFD#	Skill / Knowledge / Performance / Topic Description	NFPA#	Standard	Validated
	Demonstrate the following firefighter carries, using ground ladders; shoulder carries and arms length carries	3-11.2	Pass/Fail	1
	Demonstrate positioning, raising, and lowering ground ladders using flat, beam, or parallel raises	3-11.2	Pass/Fail	٧
	14-foot single or wall ladder	3-11.2	Pass/Fail	√
	24-foot extension ladder	3-11.2	Pass/Fail	√
	35-foot extension ladder	3-11.2	Pass/Fail	√
	Given the proper size and amount of rope, tie the following knots	3-10.1	Pass/Fail	√
	Clove hitch around rung to secure halyard	7-3.1 (1) NFPA 1410	Pass/Fail	٧

Substitute above ladder sizes for size used on your apparatus.

GENERAL TASK STATEMENT:

• Place various sizes of ground ladders into service for a variety of applications using appropriate carries and raises with number of people assigned to apparatus.

Prerequisite Knowledge

- Parts of ladders
- Hazards with setting up ladders
- Stable foundations for placement
- · Different angles for various tasks
- Safety limits to degree
- Reliable structural components for top placement

Prerequisite Skills

- Ability to carry ladders
- Extending and locking flies
- Ability to judge extension ladder height requirements
- Placing ladders to avoid hazards

Validation Synopsis

1. Carry and throw ground ladders using 1, 2, and 3 man carries and raises for a variety of objectives.

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JPR Duty Area: Fireground Operations: Ladders Subject: Ladder Rescues

<u>Job Performance Requirement</u>: Set up ground ladders, given single and extension ladders (or aerial ladder device if required) an assignment and team members as appropriate so that hazards are assessed, the ladder is stable, the angle is proper for climbing and rescue, fly extension is locked, and the top is placed against a reliable structural component and that any rescues that must be completed are facilitated by proper ladder placement.

GVFD#	Skill / Knowledge / Performance / Topic Description	NFPA#	Standard	Validated
	Demonstrate various ladder dismount techniques and carries from apparatus to structure	3-11.2	Pass/Fail	
	Demonstrate positioning, raising and lowering of ground ladders in flat, beam and parallel raises	3-11.2	Pass/Fail	
	Climb full length of each type of ground and aerial ladder	3-11.4	Pass / Fail	
	Demonstrate moving "injured" people down ladders	3-11.4b	Pass / Fail	V
	Demonstrate working off ladder using safety device and leg locks	3-11.3	Pass / Fail	
	Use aerial ladder device to facilitate rescue from elevation		Pass/Fail	

GENERAL TASK STATEMENT:

Rescue victims from a variety of elevations using both ground ladders and aerial devices.

Prerequisite Knowledge

- Ladder elevation calculations
- Stable foundation for ladder setup
- Safety limits of ladder
- Set up positions at contact with top of ladder and structure for variety of applications
- Aerial device set up and operation

Prerequisite Skills

- Ladder carries and raises
- Extension of ladders
- Height limitations
- Ladder placement techniques
- Rescue carries from ladders
- Aerial device setup and operation

Validation Synopsis

1. Set up ground and aerial ladders so that victims are safely removed from structure.

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JPR Duty Area: Fireground Operations (FF2) Subject: Truck Company Operations - Ventilation

<u>Job Performance Requirement</u>: 3-3.11 Perform vertical ventilation on a structure operating as part of a team, given an assignment, personal protective equipment, ground and roof ladders, and tools, so that ladders are properly positioned for ventilation, a sufficient opening is created, all ventilation barriers are removed, structural integrity is not compromised, products of combustion are released from the structure, and the team retreats from the area when ventilation is accomplished

GVFD#	Skill / Knowledge / Performance / Topic Description	NFPA#	Standard	Validated
	Demonstrate determining the integrity of a roof system by sounding.	(3-9.8)	Pass/Fail	1
	Using both hand and power tools, demonstrate the ventilation of a flat roof. (if simulator is available)	(3-9.13)	Pass/Fail	1
	Using both hand and power tools, demonstrate the ventilation of a pitched roof.	(3-9.13)	Pass/Fail	1
	Demonstrate floor ventilation procedures as described in IFSTA Essentials.		Pass/Fail	√

GENERAL TASK STATEMENT:

• Perform vertical ventilation using peaked roof ventilation simulator.

Prerequisite Knowledge

- Advantages and disadvantages of types of ventilation
- · Considerations when venting a structure
- Fire behavior principles
- Tactical advantages of types of ventilation

Prerequisite Skills

- Ability to transport tools and equipment
- Size-up of ventilation access points
- Use of ladders for access
- Use of tools and ventilation equipment
- Safety in ventilation of structures

Validation Synopsis

1. Perform vertical ventilation operation on simulated peaked roof so that opening is made and obstructions are removed.

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JPR Duty Area: Fireground Operations (FF3) Subject: Rope and Stokes Rescue

Job Performance Requirement:

GVFD#	Skill / Knowledge / Performance / Topic Description	NFPA#	Standard	Validated
	Demonstrate the special use of fire department ground ladders as a hinge for lowering victims. (if applicable)		Pass / Fail	
	Demonstrate the use of an aerial ladder for the removal of a victim in a stokes basket from an elevated area.		Pass / Fail	
	Demonstrate raising and lowering a person a maximum of 20 vertical feet with a rope rescue system	4-18.4	Pass / Fail	√
	Given a firefighting or rescue task requiring the use of a rope, identify the appropriate knot.	4-10.2	Pass / Fail	

GENERAL TASK STATEMENT:

• Perform a rescue task involving the rescue of a person trapped below grade requiring the use of a rope and stokes basket rescue system.

Prerequisite Knowledge	Prerequisite Skills
 Identification of rescue scenario 	 Tying various knots for rescue and hauling
 Types of knots used 	 Use of stokes basket
 Types of ropes used for hauling 	Communication skills between rescue personnel
 Stokes or rescue basket use 	
 Safety precautions for incident 	

Validation Synopsis

1. Rescue a person from below grade in a non-confined space situation using first responder equipment including ropes and stokes basket.

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JPR Duty Area: General FF 1

Subject: Ropes and Knots

<u>Job Performance Requirement</u>: The firefighter will construct standard fire service knots using various sizes and types of utility rope so that knots are tied in accordance with applicable standards without error in a reasonable amount of time as specified by the authority having jursdiction.

GVFD#	Skill / Knowledge / Performance / Topic Description	NFPA#	Standard	Validated
	Demonstrate following components of a knot: Bight, Loop, Round Turn		Pass / Fail	
	Tie the following knots using proper size and amount of rope:	3-10.1	Pass / Fail	
	One-hand Bowline, Bowline, Clove Hitch, Figure of 8 on bight, Becket bend, Overhand Safety Knot, Half Hitch, Follow through figure of 8,			\checkmark
	Demonstrate the techniques for inspecting rope	3-10.3	Pass / Fail	
	Demonstrate proper cleaning and maint. Techniques per IFSTA		Pass / Fail	
	Demonstrate the appropriate methods of rope storage per IFSTA		Pass / Fail	✓
	Demonstrate tying these knots and hoist any of the following selected tools to a height of at least 12': forcible entry tool, pike pole, hose, ladder, extinguisher or other appliance.	3-1.1.1b	Pass/Fail	

GENERAL TASK STATEMENT:

- Demonstrate the ability to tie various fire service knots
- Utilize knots for various fire service tasks; hoisting, tying off, as directed
- Demonstrate the techniques for inspecting, cleaning and storing fire service rope

Prerequisite Knowledge	Prerequisite Skills
Types of fire service rope	Cleaning methods of rope
Construction of fire service rope	Storage methods
 Cleaning and storage of fire service rope 	Returning rope equipment to service
 Components of a knot 	
Uses of the demonstrated knots	
 Knots used for hoisting of tools 	

Validation Synopsis

- 1. Firefighter will tie basic fire service knots within 30 seconds for each knot.
- 2. Firefighter will return rope to proper position for storage on apparatus.

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JPR Duty Area: General FF 1 Subject: Salvage & Overhaul

<u>Job Performance Requirement</u>: Conserve property as a member of a team, given salvage tools and equipment and an assignment, so that the building and it contents are protected from further damage. Overhaul a fire scene, given personal protective equipment, attack line, hand tools, a flashlight, and an assignment so that structural integrity is not compromised, all hidden fires are discovered, fire cause evidence is preserved, and the fire is extinguished.

GVFD#	Skill / Knowledge / Performance / Topic Description	NFPA#	Standard	Validated
	Demonstrate two folds and rolls for salvage covers.	3-15.2	Pass / Fail	\checkmark
	One person roll, Two person fold, One person spread, Two person spread			·
	Construct a water chute using salvage covers (with and without pike poles)	3-15.4	Pass / Fail	
	Construct a water catch-all using a salvage cover	3-15.5	Pass / Fail	
	Demonstrate the use of salvage equipment to cover doors, window, or other opening	3-15.6	Pass / Fail	
	Demonstrate the removal of debris and routing of water from a structure using available equipment	3-15.7	Pass / Fail	
	Demonstrate the procedures of inspection, cleaning and maintaining salvage equipment	3-15.8	Pass / Fail	
	Identify the purpose of overhaul	3-16.1	Pass / Fail	√
	Recognize indicators of hidden fire	3-16.2	Pass / Fail	
	Demonstrate exposing hidden fires by opening ceilings, walls, floors, and by pulling apart burned materials	3-16.3	Pass / Fail	V
	Demonstrate separation, removal, and relocating charred material to a safe location while protecting the area of origin for determination of cause	3-16.4	Pass / Fail	
	Identify the duties of firefighters left at the scene for fire and security surveillance	3-16.5	Pass / Fail	√

GENERAL TASK STATEMENT:

- Demonstrate the ability to conserve property at a fire scene using tarps.
- Demonstrate the ability to locate hidden fires using tools and equipment.

Prerequisite Knowledge

- Purpose and value of property conservation
- Methods used to protect property
- Types and uses of salvage covers
- · Operations at sprinklered buildings
- Methods used to expose hidden fires
- Obvious signs of arson and fire origin
- Tools used for overhaul

Prerequisite Skills

- Clustering of furniture
- Rolls and folds of tarps or covers
- Use of stoppers and wedges
- · Removal of flooring, walls and ceilings
- Applying water with max. effectiveness
- Exposure of hidden fires
- Recognition of fire cause

Validation Synopsis

- 1. Demonstrate salvage cover folds and throws.
- 2. Demonstrate overhaul of fire building with tools and infrared equipment.

Detect the presence of fire cause indicators.

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JPR Duty Area: Prevention, Preparedness and Maintenance Subject: Small Tools

Job Performance Requirement: Maintain power plants, power tools, and lighting equipment, given appropriate tools and manufacturers' instructions, so that equipment is clean and maintained according to manufacturer and departmental guidelines, maintenance is recorded, and equipment is placed in a ready state or reported otherwise. Demonstrate the ability to operate all tools assigned so that the tool is carried, started/used and returned to service and the objective has been met.

GVFD#	Skill / Knowledge / Performance / Topic Description	NFPA#	Standard	Validated
	Demonstrate the use of power tools for forcible entry and ventilation	3-9.13	Pass/Fail	V
	-Use rotary saw			·
	-Use chain saw			
	Change rotary saw blade		Pass/Fail	√
	Change chain saw chain		Pass/Fail	√
	Demonstrate the ability to clean and place equipment in a state of readiness after use		Pass/Fail	√
	Demonstrate the proper carrying techniques for all types of tools used		Pass/Fail	√

GENERAL TASK STATEMENT:

Operate and maintain power and hand tools (rotary and chain saws)

Prerequisite Knowledge

- Types of cleaning methods
- Guidelines for maintaining equipment
- Manufacturers guidelines for care and storage
- Routine service procedures

Prerequisite Skills

- Ability to select proper tools
- Carrying of tools
- Changing blades and chains
- Routine maintainence procedures
- Proper carrying and use of small tools

Validation Synopsis

- 1. Locate, carry and operate proper tool for assignment given.
 - a. Maintain equipment according to manufacturers recommendation
 - b. Operate saws / power tools in simulated conditions
 - c. Modify in field, optional attachments and equipment (chains, blades, etc.)
 - d. Properly disassemble clean and return equipment to full service after use.

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JPR Duty Area: Fireground Operations (FF2) Subject: Truck Company Operations - Ventilation

<u>Job Performance Requirement</u>: **3-3.10** Perform horizontal ventilation on a structure operating as part of a team, given an assignment, personal protective equipment, ventilation tools, equipment, and ladders, so that the ventilation openings are free of obstructions, tools are safely used, ladders are properly used, ventilation devices are properly placed, and the structure is cleared of smoke.

3-3.11 Perform vertical ventilation on a structure operating as part of a team, given an assignment, personal protective equipment, ground and roof ladders, and tools, so that ladders are properly positioned for ventilation, a sufficient opening is created, all ventilation barriers are removed, structural integrity is not compromised, products of combustion are released from the structure, and the team retreats from the area when ventilation is accomplished

GVFD#	Skill / Knowledge / Performance / Topic Description	NFPA#	Standard	Validated
	Identify the principles of ventilation and identify the advantages and effects of proper ventilation.	(3-9.1)	Pass/Fail	1
	Identify the safety considerations and precautions to be taken while ventilating a structure.	(3-9.2)	Pass/Fail	1
	Identify the advantages and disadvantages of the following types of ventilation: Vertical, Horizontal, Mechanical, Pressurization, Hydraulic		Pass/Fail	1
	Identify the signs, causes, and effects of backdraft explosions.	(3-9.4)	Pass/Fail	\vee
	Identify methods of preventing a backdraft explosion	(3-9.5)	Pass/Fail	\checkmark
	Identify the procedures for the types of ventilation referred to in 2-14.3.	(3-9.10)	Pass/Fail	1
	Identify the types of tools used during ventilation.	(3-9.6	Pass/Fail	√

GENERAL TASK STATEMENT:

• Understand the types of ventilation used in fire suppression operations and the proper application of horizontal, vertical and forced ventilation.

Prerequisite Knowledge

- Advantages and disadvantages of types of ventilation
- · Considerations when venting a structure
- Fire behavior principles
- Tactical advantages of types of ventilation

Prerequisite Skills

- Ability to transport tools and equipment
- Size-up of ventilation access points
- Use of ladders for access
- Use of tools and ventilation equipment
- Safety in ventilation of structures

Validation Synopsis

1. Understand the principles of ventilation of fire buildings.



Volume 11, Number 1

Seat Belts

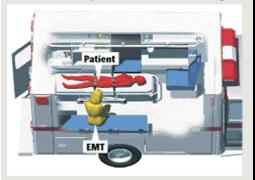
Anatomy of an accident

In this rendering of a crash that occurred on May 15, 2001, in Morgan County, Kentucky, and killed patient Nell Catherine Crigger and emergency medical technician Sandy Shepherd.

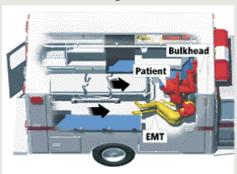
 An ambulance was traveling on a two-lane highway when an F-150 pickup crossed the center line toward the ambulance. The paramedic driving the ambulance swerved left-of-center, but the pickup struck the right side of the ambulance.



Inside the ambulance, the EMT, who was sitting on the left-facing squad bench, was unbelted. The 83-year-old patient was on the cot secured with straps across her waist and thighs.



Upon impact, the EMT struck the bulkhead of the patient compartment and died from blunt force trauma to the head and chest. The patient died after being ejected from the gurney restraints, striking the bulkhead and coming to rest on the EMT.



Source: National Institute for Occupational Safety and Health Tim Summers / The Detroit News



Review Department Policy for use of seat belts in department apparatus.

When are seat belts required?

What is the procedure for seat belting EMS workers during treatment/transport?

Review patient/passenger seat belt policy





Volume 11, Number 2

Car vs. Tanker Scenario



Scenario:

- 1. Loaded Gasoline Tanker vs. Auto with leak and spill from piping.
- 2. Victim still inside auto, unable to self-extricate.
- 3. Traffic not shut-down

What is your incident and rescue plan for this incident?

- Safety precautions
- Resources needed
 - Actions taken



Volume 11, Number 3

Overhaul



Overhaul Procedures

Review overhaul equipment and procedures.



What equipment is

used? How can thermal imaging assist?

Where should overhaul begin in a room? What direction should you work towards?

What are the proper PPE levels for overhaul?
What safety related actions should be taken during overhaul?



Volume 11, Number 4

Peaked Roof Ventilation



Peaked Roof Ventilation

What is your objective when performing vertical ventilation?

What must also be completed in addition to opening the roof covering?

How is this accomplished?

What tools are needed for these operations?

Are power saws used in these scenarios, if so, what safety precautions must be observed.

As a company, review assignments for performing ventilation in these two homes.



Assignments: (What tools and jobs)

- Engineer:
- 2. Officer:
- 3. Firefighter 1
- 4. Firefighter 2



Volume 11, Number 5

Street Grid Review







Officers Choice

- Select up to 3 street grids from another still district and identify 3 addresses.
- Have crew members describe the response route to each of the three addresses
- 3. If applicable, identify an alternative route as if a train or other obstruction prohibits your response.
- 4. As an option, drive one of the 3 grids today during your shift.



Volume 11, Number 6

Company Officer Management

You are the company officer at station #11. While on-duty at 0900 hours, your engineer asks to speak to your privately. He informs you that he was detained by the police the night before on suspicion of DUI. He said that he probably won't be charged and that he wasn't really intoxicated. He indicated that he had only drank a couple of beers and he thought is was really a matter of the police making a big deal out of nothing. The engineer said he just wanted you to know about it. He is the only engineer on-duty in your station.

What would your response to the Engineer be and what action would you take, if any?

Discussion

- 1. How did you come to this decision?
- 2. What references did you utilize?
- 3. What is the department policy in this matter?
- 4. What if a emergency call came in while your were having this discussion?



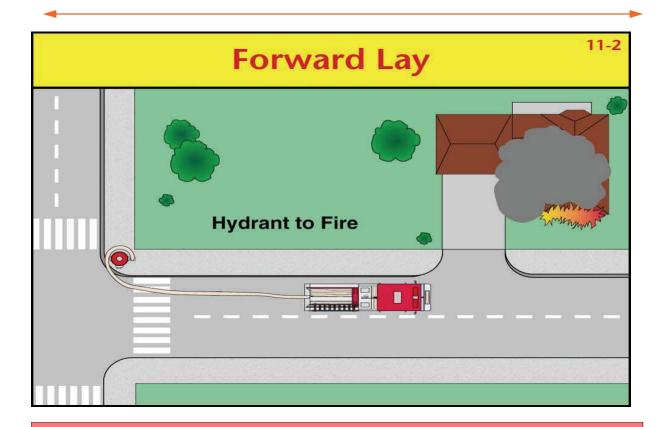


Review answers with your Shift Captain.



Volume 11, Number 7

Forward Lead-outs



Discussion

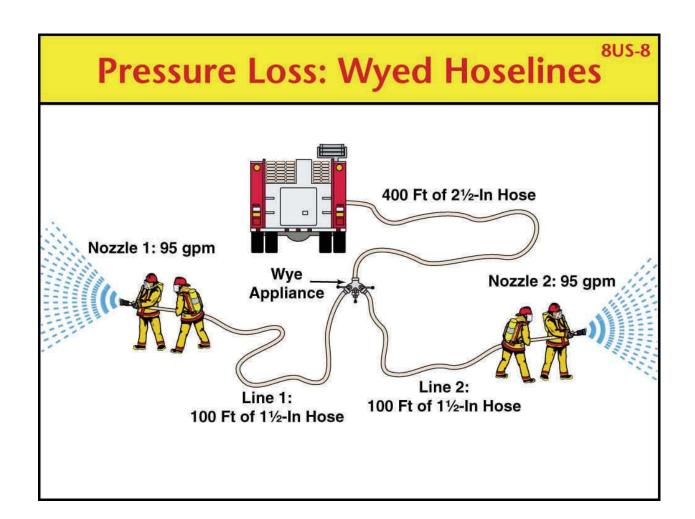
- 1. In what circumstances would you do a forward lead-out?
- 2. What size supply line is laid?
- 3. Who completes the water supply hook-up at the hydrant?
- 4. Where would the engine position in this scenario?
- 5. Are there any other considerations for this type of operation?
- 6. What hose beds on your engine are set for this operation?





Volume 11, Number 8

Wyed Hoselines



Calculate the net pump discharge pressure for this operation.

Change the tips to smooth bores with 15/16" tips.



Volume 11, Number 9

Ground Ladder Placement





What's wrong with these pictures?

What are better alternatives to the placements chosen?





Volume 11, Number 10

Structural Collapse Response





Engine Company #1

- 1. You arrive to find a building has collapsed. There are no reports of people missing or trapped. What are your **initial actions** as first responders at the awareness level?
- 2. What are your concerns regarding scene security and safety? How would you begin the rescue or recovery operation?
- 3. How would you notify a trained and equipped rescue team for this situation? Are there any other procedures at the department level that must be completed for this incident?
- 4. What actions can you take while the trained and equipped rescue team is responding and assembling on the scene?
- 5. What support activities can the first-in companies perform to assist the trained and equipped rescue team during the incident?