

CDC 10511W

Wildland Fire Fighter I

Volume 2: Performance Test



**Air Force Institute for Advanced Distributed Learning
Air University
Air Education and Training Command**

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Performance Test Instructions

This performance test provides detailed performance checklist items for candidate testing. Performance tests should not be conducted until the candidate has successfully completed the academic portion of the CDC. However, it is strongly encouraged that this supplement and the checklist it contains be used during the normal course of study. Candidates may practice the performance tests anytime throughout the course of study. Practice is highly encouraged.

This particular course uses two workstations. Within each workstation there are several tasks and objectives (NFPA line items). A “Performance Test Summary Sheet” precedes each workstation or group of evaluated tasks. This sheet lists the NFPA line items evaluated and the specific tasks that must be accomplished. Each performance test lists the setting and tools/equipment required to do the listed tasks.

It is important to understand the grading process used during the evaluation. For a full overview of the CDC process and performance testing please view the *Department of Defense Fire Fighter Certification Program Video* P/N # 612288D. Additional information on the grading criteria is contained on the next page of this supplement.

Grading Criteria

The following criteria will be used to evaluate and determine the pass/fail status of a candidate.

Each task has an attainment standard. The attainment standards for each performance test item include an “x out of x” factor as well as a time element. You will find the “x out of x” factor will always equate to a **minimum** of 80%. You will also find the time allotted for completion of each task is intentionally structured to allow you ample time for success. Understand you must adhere to both elements of the attainment standard to successfully pass this evaluation.

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Skills Test 1 - Preparedness Station

Performance Test Summary Sheet

Objectives: **NFPA Standard 1051, Chapter 5, Paragraphs 5.1.1, 5.3.2, 5.3.3**

- Tasks**
- 1. Demonstrate proper inspection and wear of assigned personal protective equipment.**
 - 2. Demonstrate the proper inspection and maintenance of cutting, scraping, and smothering tools.**
 - 3. Demonstrate the proper inspection and maintenance of assigned backpack pumps.**
 - 4. Demonstrate the proper inspection and operation of assigned portable radios.**

Demonstrate the proper inspection and use of the fire shelter.

1. Preparedness Station

Performance Test Item

Personnel

Classification: Wildland Fire Fighter I

Objective: NFPA Standard 1051, Chapter 5, paragraph 5.3.2

Task: Demonstrate the proper inspection and wear of assigned personal protective equipment.

Setting: Fire Department training ground or suitable exercise location.

**Tools
Equipment:** Equipment provided by the authority having jurisdiction that would typically be used at an actual wildland fire emergency.

**Attainment
Standard:** Successful completion of 11 out of 13 elements/steps within 30 minutes.

1. Preparedness Station

Performance Test Item

Personnel

Classification: Wildland Fire Fighter I

Objective: NFPA Standard 1051, Chapter 5, paragraph 5.3.3

Task: Demonstrate the proper inspection and maintenance of assigned cutting, scraping and smothering tools.

Setting: Fire Department training ground or suitable exercise location.

**Tools
Equipment:** Tools provided by the authority having jurisdiction that would typically be used at an actual wildland fire emergency.

Cutting: Axes, Pulaskis, Brush hooks, Sandviks

Scraping: Shovels, McLeods, Fire rakes, Hoes, Combination tools, Wire brooms

Smothering: Fire swatters (flappers, fire flails)

Attainment

Standard: Successful completion of 20 out of 25 elements/steps within 60 minutes.

1. Preparedness Station

ELEMENTS/STEPS	STANDARDS	YES	NO
1. Demonstrate proper inspection, and maintenance of assigned cutting, scraping and smothering tools.	1. In accordance with manufacturer's specifications and local policies/procedures.		
	A. Inspected tool heads for:		
	1. Cracks	—	—
	2. Rust	—	—
	3. Damaged cutting edges (if applies)	—	—
	4. Safety guards	—	—
	B. Inspected tool handles		
	1. Smooth	—	—
	2. Cracks/Splinters	—	—
	3. Proper alignment	—	—
	4. Securely attached in tool head	—	—
	C. Performed maintenance on tool heads		
	1. Secured tool for sharpening	—	—
	2. Cleared working area	—	—
	3. Ensured sharpening file had a handle and guard in good repair	—	—
	4. Wore gloves and long sleeves	—	—
	5. Used palm of hand flat against file, fingers not wrapped.	—	—

1. Preparedness Station

ELEMENTS/STEPS	STANDARDS	YES	NO
	6. Visually inspected sharp edges	___	___
	7. Axe and Pulaski Tool		
	a. Tapered cutting edge 2"	___	___
	b. Ensured grubbing edge 3/8" wide on 45 degree angle (Pulaski only)	___	___
	8. Shovel		
	a. Sharpened to a point from 1.5 inches below blade top at a 45 degree angle	___	___
	9. McLeod		
	a. Cutting edge sharpened to 45 degree bevel, sharp and square	___	___
	10. Combi Tool		
	a. Stabilized tool by sticking the pick end in the ground. Sharpened blade at a 45 degree angle.	___	___
	b. Sharpened to a point.		
	c. Sharpened pick at a 45 degree angle.	___	___
D.	Performed maintenance on handles		
	1. Sanded handle smooth	___	___
	2. Replaced properly if needed	___	___
	3. Applied protective coating	___	___
	4. Ensured handle was secure in tool head	___	___

1. Preparedness Station

Personnel

Classification: Wildland Fire Fighter I

Objective: NFPA Standard 1051, Chapter 5, paragraph 5.3.2

Task: Demonstrate the proper inspection and maintenance of assigned backpack pumps.

Setting: Fire Department training ground or suitable exercise location.

Tools

Equipment: Equipment provided by the authority having jurisdiction.

Attainment

Standard: Successful completion of 6 out of 7 elements/steps within 30 minutes.

1. Preparedness Station

ELEMENTS/STEPS	STANDARDS	YES	NO
1. Demonstrate proper inspection, maintenance and use of assigned backpack pumps.	1. In accordance with manufacturer's specifications and local policies/procedures.		
	A. Assembled pump properly	___	___
	B. Maintained proper footing and stance	___	___
	C. Lifted and carried properly	___	___
	D. Filled pack with clean or strained water	___	___
	E. Demonstrated straight and spray stream	___	___
	F. Cleared clogged nozzle	___	___
	G. Cleaned quick connect	___	___

1. Preparedness Station

Personnel

Classification: Wildland Fire Fighter I

Objective: NFPA Standard 1051, Chapter 5, paragraph 5.1.1

Task: Demonstrate the proper inspection, operation and use of assigned portable radios.

Setting: Fire Department training ground or suitable exercise location.

Tools

Equipment: Equipment provided by the authority having jurisdiction.

Attainment

Standard: Successful completion of 6 out of 7 elements/steps within 30 minutes.

1. Preparedness Station

ELEMENTS/STEPS	STANDARDS	YES	NO
1. Demonstrate proper inspection and operation of assigned portable radios.	1. In accordance with manufacturer's specifications and local policies/procedures.		
	A. Turned on and adjusted volume	___	___
	B. Found correct frequency	___	___
	C. Used functions proficiently (scan, radio groups, squelch, repeaters)	___	___
	D. Demonstrated troubleshooting (radio traffic overload, poor location, battery change out)	___	___
	E. Started each transmission with receivers call sign followed by own call sign	___	___
	F. Waited for response before sending message	___	___
	G. Utilized "break message" every 30 seconds	___	___
	H. Used clear text.	___	___
	I. Closed call with proper identifier.	___	___

1. Preparedness Station

Personnel

Classification: Wildland Fire Fighter I

Objective: NFPA Standard 1051, Chapter 5, paragraph 5.1.1

Task: Demonstrate the proper inspection, operation and use of assigned fire shelter.

Setting: Fire Department training ground or suitable exercise location.

Tools

Equipment: Fire Shelter, provided by the authority having jurisdiction.

Attainment

Standard: Successful completion of 13 out of 16 elements/steps within 60 minutes.

1. Preparedness Station

ELEMENTS/STEPS	STANDARDS	YES	NO
1. Demonstrate proper inspection and use of a fire shelter	1. IAW manufacturer's specifications and local policies/procedures.		
	A. Inspected shelter per guidelines	___	___
	B. Selected appropriate site		
	1. Away from thick vegetation, trees/snags (fall hazard), tall grass, small trees, brush	___	___
	2. Selected a wide area (dozer lines or roads, burned area with no reburn potential, lee-side of ridge tops, flat area on slopes (benches or road cuts)	___	___
	3. Avoided draws, chimneys and saddles	___	___
	C. Improved the site by scraping ground fuels		
	1. Cleared area at least 4 x 8 feet down to the soil	___	___
	D. Removed shelter from case and pulled either red ring down to the bottom and up to the other side	___	___
	E. Demonstrated proper deployment procedures		
	1. From a standing position	___	___
	2. From lying position	___	___
	3. While escaping	___	___
	4. In the wind	___	___
	5. Proper hand and foot position	___	___

1. Preparedness Station

ELEMENTS/STEPS	STANDARDS	YES	NO
	6. Held shelter down with feet, legs, hands and elbows	___	___
	7. Foot end facing the advancing fire	___	___
F.	Demonstrated proper entrapment procedures		
	1. Moving the shelter	___	___
	2. Communicated with others	___	___
	3. Stayed in shelter until received order from supervisor	___	___

Skills Test 2 - Suppression Station

Performance Test Summary Sheet

Objectives: NFPA Standard 1051, Chapter 5, Paragraphs 5.5.2, 5.5.3, 5.5.4, 5.5.5, 5.5.6, 5.5.7, 5.5.8

- Tasks**
- 1. Demonstrate the ability to assemble and prepare for a response.**
 - 2. Demonstrate the ability to construct a fire line that conforms to agency construction standards.**
 - 3. Demonstrate the ability to secure a fire line so that burning materials and unburned fuels that pose a threat are located and abated.**
 - 4. Described the methods to reduce the threat of fire exposure to improved properties so that improvements are protected.**
- Demonstrate the ability to mop up, to include patrolling, a fire area so that burning fuels that threaten escape are located and extinguished.**

2. Suppression Station

Personnel

Classification: Wildland Fire Fighter I

Objective: NFPA Standard 1051, Chapter 5, paragraph 5.5.2

Task: Demonstrate the ability to assemble and prepare for a response.

Setting: Fire Department training ground or suitable exercise location.

Note: This task may be part of a larger evaluation exercise in which the candidate is evaluated as a member of a team during wildland fire suppression efforts. In order to ensure safety and resource conservation but still evaluate the candidates' ability to suppress a wildland fire; the fire size should be a minimum of 100 square feet. All fires will be coordinated IAW local policies and procedures.

Tools

Equipment: Equipment provided by the authority having jurisdiction.

Attainment

Standard: Successful completion of 16 out of 20 elements/steps within 3 hours.

2. Suppression Station

ELEMENTS/STEPS	STANDARDS	YES	NO
1. Assemble and prepare for a response to a wildland fire incident.	1. IAW IFSTA <i>Wildland Fire Fighting for Structural Firefighters</i> , NFPA 1051 and local policies/procedures		
	A. Maintained 10 foot (or more) clearance from fellow workers	___	___
	B. Carried tools/equipment properly		
	1. Balance point	___	___
	2. Downhill side	___	___
	3. Cutting edge away from body	___	___
	C. Kept eyes on what is being cut	___	___
	D. Wore safety glasses at all times	___	___
	E. Ensured proper cutting angle to prevent ricochet	___	___
	F. Passed other workers safely		
	1. Signaled (“coming through”)	___	___
	2. Waited to be given right-of-way	___	___
	G. Transferred tool handle first	___	___
H. Stored tools safely when not in use	___	___	
I. Did not run with hand tools	___	___	
J. Demonstrated proper grip and stance	___	___	

2. Suppression Station

ELEMENTS/STEPS	STANDARDS	YES	NO
	K. Demonstrated proper use of tools		
	1. Pulaski		
	a. Grubbing end of Pulaski		
	1) Digging roots	—	—
	2) Trenching	—	—
	2. Shovel		
	a. Used knee for brace when scraping	—	—
	b. Throwing dirt, over-the-shoulder or side swing	—	—
	3. McLeod		
	a. Used cutting and pulling motion, downward pressure on handle	—	—
	b. Scraped (not chop)	—	—
	c. Use of knee for support	—	—

2. Suppression Station

Personnel

Classification: Wildland Fire Fighter I

Objective: NFPA Standard 1051, Chapter 5, paragraph 5.5.3, 5.5.4

Task: Demonstrate the ability to construct a fire line that conforms to agency line construction standards and recognize hazards and unsafe situations then communicate them to the supervisor or take appropriate action.

Setting: Fire Department training ground or suitable exercise location.

Note: This task may be part of a larger evaluation exercise in which the candidate is evaluated as a member of a team during wildland fire suppression efforts. In order to ensure safety and resource conservation but still evaluate the candidates' ability to suppress a wildland fire; the fire size should be a minimum of 100 square feet. All fires need to be coordinated IAW local policies and procedures.

Tools

Equipment: Equipment provided by the authority having jurisdiction.

Attainment

Standard: Successful completion of 14 out of 17 elements/steps within 3 hours.

2. Suppression Station

ELEMENTS/STEPS	STANDARDS	YES	NO
	6. Covered rotten logs and stumps with dirt (or wet them down)	—	—
	a. Demonstrated proper use of agents and application techniques	—	—
	7. Constructed fire line as close to fire edge as safety permitted	—	—
	8. Built a control line correctly for a fire burning:		
	a. Up slope	—	—
	b. Down slope	—	—
	9. Recognized all hazards and communicated them to supervision	—	—
	10. Took appropriate actions	—	—

2. Suppression Station

Personnel

Classification: Wildland Fire Fighter I

Objective: NFPA Standard 1051, Chapter 5, paragraph 5.5.5

Task: Demonstrate the ability to secure a fire line so that burning materials and unburned fuels that threaten the integrity of the fireline are located and abated.

Setting: Fire Department training ground or suitable exercise location.

Note: This task may be part of a larger evaluation exercise in which the candidate is evaluated as a member of a team during wildland fire suppression efforts. In order to ensure safety and resource conservation but still evaluate the candidates' ability to suppress a wildland fire; the fire size should be a minimum of 100 square feet. All fires need to be coordinated IAW local policies and procedures.

Tools

Equipment: Tools and equipment provided by the authority having jurisdiction.

Attainment

Standard: Successful completion of 24 out of 29 elements/steps within 1 hour.

2. Suppression Station

ELEMENTS/STEPS	STANDARDS	YES	NO
1. Secure a fireline demonstrating use of basic ignition devices.	1. IAW IFSTA <i>Wildland Fire Fighting for Structural Firefighters</i> , manufacturer's guidance and local policies/procedures		
	A. Used a fusee safely		
	1. Wore proper personal protective equipment	___	___
	2. Gripped fusee by handle	___	___
	3. Removed striker cap	___	___
	4. Used striker with a downward movement away from body		
	a. Head turned to the side	___	___
	b. Upwind of the fusee	___	___
	5. Held fusee away from body	___	___
	6. Carried fusee in downward position	___	___
	7. Kept fusee on the burn side of the fireline	___	___
	8. Extinguished safely	___	___
	B. Used a drip torch safely		
	1. Prepared		
	a. Wore proper PPE	___	___
	b. Shook torch to mix fuel	___	___
	c. Unscrewed lock ring	___	___
	d. Removed and secured flow plug	___	___
e. Removed spout from tank	___	___	

2. Suppression Station

ELEMENTS/STEPS	STANDARDS	YES	NO
	f. Inspected rubber gasket and fuel supply	___	___
	g. Set spout upright, wick facing opposite and away from handle	___	___
	h. Screwed lock ring on tightly	___	___
	i. Opened air vent $\frac{3}{4}$	___	___
	j. Cleaned spilled fuel	___	___
	2. Ignited the torch		
	a. Spread fuel on ground litter	___	___
	b. Ignited torch from ground fire	___	___
	c. Carried torch upright	___	___
	d. Tilted torch downward when using	___	___
	3. Stored after use		
	a. Extinguished or let wick burn dry	___	___
	b. Removed lock ring	___	___
	c. Reversed spout and put inside tank	___	___
	d. Replaced lock ring securely	___	___
	e. Replaced flow plug.	___	___
	f. Closed breather valve	___	___

2. Suppression Station

Personnel

Classification: Wildland Fire Fighter I

Objective: NFPA Standard 1051, Chapter 5, paragraph 5.5.6

Task: Describe the methods to reduce the threat of fire exposure to improved properties so that the improvements are protected

Setting: Fire Department training room, office, or classroom.

Tools

Equipment: Pencil, paper, computer,

Attainment

Standard: Successful completion of 20 out of 24 elements/steps within 30 minutes

2. Suppression Station

ELEMENTS/STEPS	STANDARDS	YES	NO	
1. Describe the methods to reduce the threat of fire exposure to improved properties.	1. IAW IFSTA <i>Wildland Fire Fighting for Structural Firefighters</i> , manufacturer's guidance and local policies/procedures			
Note: Evaluator will supply a scenario that the candidate will use in order to describe such methods.	A. Considered the following:			
	1. Distance from the fire	___	___	
	2. Terrain	___	___	
	3. Fuels	___	___	
	4. Construction features	___	___	
	5. Spacing between buildings	___	___	
	6. Accessibility	___	___	
	7. Power lines	___	___	
	8. Wind	___	___	
	9. Terrain aspect	___	___	
	10. Time of day	___	___	
	11. Defensible space	___	___	
	12. Structural triage	___	___	
	B. Reported Conditions			
	1. Reporting unit and location	___	___	
2. Size of fire (acres)	___	___		
3. Type of fuel involved (light, medium, or heavy)	___	___		
4. Rate and direction of spread	___	___		

2. Suppression Station

ELEMENTS/STEPS	STANDARDS	YES	NO
	5. Fire behavior	—	—
	6. Best access	—	—
	7. Life safety	—	—
	8. Exposures threatened	—	—
	9. Hazards (power lines down, bridges that might not support engines)	—	—
	10. Additional resources	—	—
	11. Water supply	—	—
	12. Name of incident	—	—

2. Suppression Station

Personnel

Classification: Wildland Fire Fighter I

Objective: NFPA Standard 1051, Chapter 5, paragraph 5.5.7, 5.5.8

Task: Demonstrate the ability to mop up, to include patrolling, a fire area so that burning fuels that threaten escape are located and extinguished.

Setting: Fire Department training ground or suitable exercise location.

Note: This task may be part of a larger evaluation exercise in which the candidate is evaluated as a member of a team during wildland fire suppression efforts.

Tools

Equipment: Equipment provided by the authority having jurisdiction.

Attainment

Standard: Successful completion of 16 out of 20 elements/steps within 1 hour .

2. Suppression Station

ELEMENTS/STEPS	STANDARDS	YES	NO
1. Mop up a fire area.	1. IAW IFSTA <i>Wildland Fire Fighting for Structural Firefighters</i> , manufacturer's guidance and local policies/procedures		
	A. Started mop up as soon as line construction and burnout was completed	___	___
	B. Mopped up most threatening areas first	___	___
	C. Allowed quickly burning fuel to burn itself out	___	___
	D. Mopped up entire area on small fires	___	___
	E. Mopped up far enough into the black to be certain no fire could blow, spot or roll over fireline on large fires	___	___
	F. Felled all snags that could cause spotting or fire spread across the line	___	___
	G. Searched for smoldering spot fires	___	___
	H. Considered potential for problems from snags, punky logs, and fuel concentrations outside the control line	___	___
	I. Searched for and dug out burning roots and stumps near the fireline	___	___
	J. Cut unburned or partially burned brush near the line	___	___
	K. Scattered concentrations of burning fuels to reduce heat and danger of spotting	___	___

2. Suppression Station

ELEMENTS/STEPS	STANDARDS	YES	NO
	L. Trenched below, blocked, or turned heavy logs, stumps or similar material so they cannot roll	—	—
	M. Used back of hands to feel for possible smoldering spots close to the line	—	—
	N. Used water in conjunction with hand tools where possible for practical.	—	—
	O. Used water sparingly, matched amount of water to the job	—	—
	P. Scraped or stirred the fuel while applying water when moping up deep burning fuels such as peat, duff or needles	—	—
	Q. Added wetting agents or foam to water to increase its effectiveness	—	—
	R. Patrolled the fire area	—	—
	1. Watched for spot fires and prevented hot spots from breaking over the control line	—	—
	2. Extinguished any smoldering material discovered	—	—
	3. Threw smoldering materials into the black and allowed to burn	—	—
	4. Cold trailed where applicable	—	—

3. Performance Test Record

Wildland Fire Fighter I – Performance Test Record

INSTRUCTIONS: This form must be completed and kept on file.

Date of Evaluation _____

Candidate Rank/Name _____ **SSAN** _____

Evaluators Rank/Name _____ **SSAN** _____

The candidate has PASSED/FAILED the Wildland Fire Fighter I Performance Tests for the stations marked below:

Performance Test Station	Passed	Failed
Preparedness		
Suppression		

If candidate has failed the performance evaluation, provide the following information: (Use additional sheets if necessary)

Objective(s):

Reason(s) for failure:

Candidate Signature _____

Evaluator Signature _____