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# *TRAINING ON DEMAND*

## Supplemental Materials

047-0140  
NFPA Firefighter 1 Skills, pt 1 TOD



NFPA FF1 Skills, Lesson 1: SCBA Operational Check

Academy #47-0140

**Terminal Objective**

Upon completion of this lesson, the firefighter will be able to successfully complete Firefighter I requirements for execution of the SCBA Operational Check and the SCBA Cylinder Removal/Refill/Replacement performance skills tests.

**Enabling Objectives**

After viewing this lesson, the firefighter will be able to:

- Perform an SCBA operational check.
- Perform SCBA cylinder removal, refill and replacement.

**Equipment & Personnel**

Classroom setting

NFPA 1001 Objectives

Video monitor and player

Optional: Equipment specified in Directions and Task Execution Sequence, including SCBA, Protective Clothing, and spare SCBA cylinder

Cascade filling system

Directions: 1. Make a pre-use operational check of your SCBA; announce out loud what you are checking and what conditions you see as you proceed. 2. Please remove your SCBA cylinder, refill it using a cascade system, and replace it on your SCBA.

**Lesson Outline**

## Task Execution Sequence

## SCBA Operational Check

1. Check backpack assembly condition for wear or damage
2. Check straps for full extension and tangles
3. Check cylinder pressure for manufacturer's recommended capacity
4. Open cylinder valve and check high pressure connection and hose assembly for leaks
5. Check main line valve for proper operation
6. Check regulator pressure gauge to see if it matches cylinder gauge (within 100 psi)
7. Check regulator control position for accessibility
8. Check emergency by-pass for proper operation
9. Check service life alarm for proper operation
10. Check facepiece assembly for cracks, tears, or broken head straps
11. Check head straps for full extension
12. Were all tasks completed in a safe manner?

**Lesson Outline****SCBA Cylinder Removal/Refill/Replacement**

1. Remove high pressure hose from cylinder
2. Remove cylinder from harness
3. Inspect cylinder damage
4. Check hydrostatic test date
5. Connect fill while in charging sleeve
6. Begin with lowest cascade cylinder
7. Open SCBA cylinder and charging valve
8. When equalized, close cascade valve
9. Continue steps 7 and 8 until full
10. Close all valves and release pressure
11. Disconnect charging hose
12. Replace cylinder in harness assembly
13. Check high pressure hose O-ring
14. Record refill on sheet correctly
15. Were tasks completed in a safe manner?

# NFPA FF1 Skills, Lesson 1: SCBA Operational Check

Academy #47-0140

Department Name	Address - City, State and ZIP	
Training Officer	Title/Rank	Phone
Student Name	Title/Rank	Social Security #

Performance Checklist	Pass	Fail	Remarks
The firefighter shall:			
1. Perform a full SCBA operational check.			
2. Perform SCBA cylinder removal, refill and replacement.			
Overall	Pass	Fail	Remarks

This form must be completed and signed by the student and department training officer before it can be accepted in the FETN Academy.

## References

National Fire Protection Association Codes and Standards (1995), Standard 1001 3-7.10 and 3-7.16; Essentials of Firefighting (3rd Edition), Chapter 3, International Fire Service Training Association, Fire Protection Publications, Oklahoma State University, Stillwater, OK (1992)

FETN Academy Student

Department Training Officer

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Date

To Register Your Training In The FETN Academy Call (800) 333-FETN.