

**DELAWARE STATE FIRE SCHOOL**  
**For Your Instruction: In-Service Drill**

**Self Contained Breathing Apparatus**

**PURPOSE**

To re-familiarize the participant with the basic operations of SCBA.

**OBJECTIVE**

1. The participant shall don and operate a SCBA within 60 seconds.
2. The participant shall perform an inspection on a SCBA.
3. The participant shall recharge a cylinder on a SCBA using a cascade and spare cylinder.
4. The participant shall demonstrate the emergency procedures to utilize when a cylinder on SCBA is inoperative.

**EQUIPMENT**

1. SCBA
2. Spare cylinders
3. Cleaning materials
4. Cascade, if available
5. Large area for maze
6. Wax paper

**SAFETY PRECAUTIONS**

1. Participants will utilize fire department issued protective equipment, where applicable.

**REFERENCE**

IFSTA, "Essentials of Firefighting", Seventh Edition

## **EVOLUTION #1**

1. The participant shall don a SCBA utilizing the following methods:
  - a. Coat method
  - b. Seat mount method
  - c. Compartment mount method, if applicable
2. The participant shall don and secure a facepiece seal
3. The participant shall negotiate a simulated search area while using an SCBA and with an obscured facepiece.
  - a. Area such as apparatus floor or social hall
  - b. Reconfigure the area by moving portable equipment and furniture
  - c. Establish goals for members involved in evolution:
    - i. Removal of victim.
    - ii. Use search & rescue techniques

## **EVOLUTION #2**

1. The participant shall perform an inspection of the SCBA unit following its use.
2. The participant shall clean and sanitize the SCBA unit which includes:
  - a. Facepiece assembly
  - b. Harness assembly
  - c. Regulator/hose and audible alarm assembly

**NOTE:** REVIEW MANUFACTURER'S RECOMMENDATIONS FOR THE FIRE DEPARTMENT OWNED SCBA. THIS INFORMATION CAN BE LOCATED IN THE INFORMATIONAL PACKETS PROVIDED BY THE DISTRIBUTOR UPON DELIVERY. MANUFACTURERS WILL PROVIDE THIS INFORMATION ON REQUEST, IF UNABLE TO LOCATE IN YOUR STATION.

### **EVOLUTION #3**

1. The participant shall recharge an empty cylinder utilizing a cascade system.
2. The participant shall replace a depleted cylinder with a fully charged cylinder on a SCBA:
  - a. Close tank cylinder valve
  - b. Crack open main-line valve
  - c. Remove high pressure line from cylinder valve
  - d. Remove depleted cylinder from backpack assembly
  - e. Insert charged cylinder into backpack assembly with cylinder valve turned in to a 10 O'clock position
  - f. Re-attach high pressure line only hand tight

### **EVOLUTION #4 EMERGENCY PROCEDURES**

1. The participant shall demonstrate how to operate a SCBA when the unit fails:
  - a. Emergency by-pass
  - b. Buddy breathing, according to your S.O.P.
2. The participant shall demonstrate how to use the SCBA when the facepiece fails.

### **CONCLUSION**

At the conclusion of the skills the Drill Leader will do the following:

1. Re-inspect the equipment for any damage or excessive wear.
2. Secure all equipment as per department policy.
3. Secure the training area.

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