



EQP-406 SCBA Daily Function Test

Adopted: 09/01/16
Amended: 01/30/19
Review: 2023

Purpose

To ensure the proper function of Self Contained Breathing Apparatus (SCBA).

Related Documents

OSHA 29CFR 1910.134
NFPA 1404 and 1500

Policy

Personnel are responsible for inspecting their assigned SCBA at the beginning of each tour, or anytime they are using a new SCBA. The Driver/Operator shall be responsible for inspecting any additional SCBAs, masks, or spare cylinders (function test of spare SCBA's, as well as SCBA's on reserve apparatus, shall be performed on Saturdays with the Weekly Tool Check).

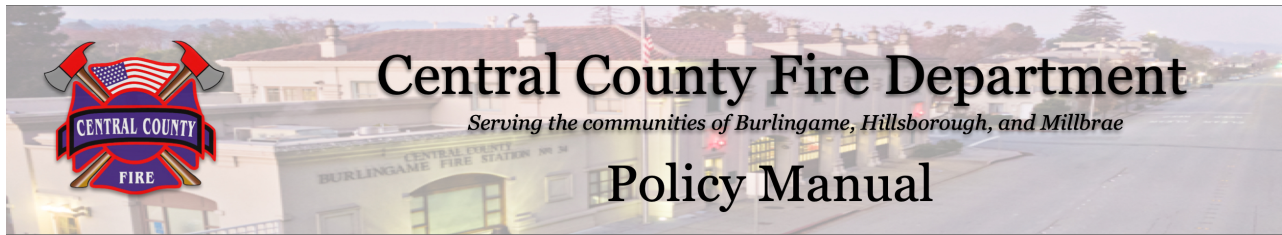
Procedure

1.0 All personnel are issued a mask and regulator with a bag for storage. Both face piece and regulator should be kept in the bag when not in use. Inspection and cleaning of the mask is the responsibility of the wearer.

1.1 This document is intended to satisfy the requirements of OSHA 29CFR 1910.134, NFPA 1404 and NFPA 1500.

2.0 Visual Inspection

- Visually inspect the straps and harness. Ensure unit is clean, no mechanical damage, no twisted straps, shoulder pads secured, and straps all the way out
- Air pressure in bottle should be at 4500. Change if below 4300
- Check bottle for any physical damage
- Ensure hose connection at bottle is tight, strap is properly adjusted for the bottle diameter, and bottle is secured in the pack
- Battery check. Batteries are located in box on harness near bottle valve handle. With air off, depress yellow button on display gauge once, and light on battery box will blink blue then green. If it blinks blue, green, then red, the batteries are low and need replacing. (When pack air is on, low battery "chirp" every 20 seconds indicates low battery)
- Visually inspect the low pressure hose and electrical connection
- Visually inspect the mask and head straps for damage or twisted straps



3.0 Operational Check

- Connect regulator and mask (with bypass and air demand valve closed)
- Charge system by turning on bottle (listen for air leaks)
- Listen for *Vibra Alert* and three beeps (indicating electrical system activated)
- Check operation of PASS device:
 - Do not move SCBA (green light on display gauge will blink every three seconds, then turn red once pre-alert starts)
 - Pre alert will sound after 20 seconds
 - Full alert will sound after 30 seconds
 - Silence PASS device by depressing yellow button twice
 - Activate PASS emergency with red button, then silence again
- Briefly open and shut bypass valve
- Turn bottle off
- Hold mask tightly against face and breath in to activate demand regulator
- Verify *Heads Up Display* lights in mask are working
- Watch pressure gauge drop and *Heads Up Display* lights change
 - 2 green lights = over 3/4
 - 1 green light = over 1/2
 - Blinking yellow light = over 1/4
 - Blinking red light and *Vibra-Alert* = below 1/4
- When air is out, mask seal should be checked by taking a deep breath
- Bleed off remaining air with bypass valve, shut bypass
- Turn off PASS and close demand valve on top of regulator
- Turn on voice amplifier and check for proper operation (blinking light indicates low battery). Turn voice amplifier off.
- Place pack back in bracket and secure, place bag over mask and regulator

4.0 After Use Cleaning and Inspection

- Clean harness and cylinder using soap and brushes provided in station SCBA cleaning kit. DO NOT submerge regulator or electronics in water.
- Wash mask and face piece using soft towels provided in kit
- Hang harness and face piece to dry, out of direct sunlight
- Fill bottle
- Perform a daily function test



5.0 Maintenance

Any time there is need for SCBA equipment repair, bring it to Station 34 and completely fill out the 10-7 form on the clipboard (name, where the equipment is from, and a description of the problem). Take appropriate replacement equipment and fill out the equipment check out form on clipboard. Send an email to the SCBA Technician group to let them know there is equipment in the SCBA room in need of repair.

6.0 Additional information

All regulators and back-frames shall be flow tested annually.

All face pieces shall be tested annually.

Cylinders shall be hydrostatic tested every five (5) years from the date of manufacture.