



Pennsylvania State Fire Academy

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Minimum Standard for Accreditation (MSA)

January 1998

Course Title: Respiratory Protection II (REPA)

Length of Course: 16 Hours

Lecture/Lab Breakdown: 5/11

Prerequisites: EBM or REPR

Referenced Texts: IFSTA Self-Contained Breathing Apparatus; IFSTA Essentials of Fire Fighting; NFPA 1001 Fire Fighter Professional Qualifications; NFPA 1404 Fire Department Self-Contained Breathing Apparatus Program; NFPA 1981 Open Circuit Self-Contained Breathing Apparatus for the Fire Service.

Course Goal: The student will become more confident with the use of the self contained breathing apparatus and with this advanced training he/she will learn air conservation and other skills needed to function in more challenging situations.

Description of Course: This advanced training will enhance the fire fighters capabilities, build their confidence in using the apparatus and prepare them for the more complex situations that they may encounter (i.e. rapid intervention team and restrictive horizontal and vertical spaces)

Description of Methodology to be used: (Brief) Combination of lecture, audio visual presentation, demonstration and practical exercises.

Student Equipment/Supply Needs: Pen/Pencil, Notebook, Turnout Gear, S.C.B.A. and Spare Cylinder.

Equipment/Audiovisual/Supply Requirements: Classroom with chalkboard, screen, audiovisuals per instructor, air refill capabilities for low and high pressure S.C.B.A., at least one dual purpose S.C.B.A., various brands and types of respiratory protection available, air monitoring equipment. Areas needed to practice various fire fighting skills while wearing S.C.B.A., i.e. to work in smoke and provide obstacles, for standard, restrictive and large area searches.

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**COURSE OUTLINE
(General - Not Detailed)**

<u>Time</u>		<u>Content</u>	<u>Instructor Notes</u>
:30	Session 1	Registration, Introduction, Course Description	
2:00	Session 2	Review REPR, Fire Dept. Breathing Apparatus Program	
1:00	Session 3	Emergency Procedures for S.C.B.A.	
2:00	Session 4	Emergency Procedure Exercises	
1:00	Session 5	Advanced Search Procedures	
2:00	Session 6	Advanced Search Exercise	
2:00	Session 7	Smoke/Obscured Vision Exercise	
:30	Session 8	Review of Air Purification & Refill Equipment	
2:00	Session 9	Advanced Smoke Exercise	
2:00	Session 10	Restricted Horizontal and or Vertical Technique Exercise	
1:00	Session 11	Exam, Certification and Conclusion	

The order the sessions are presented may vary due to class location or scheduling requirements.

Competency Evaluation Mechanism (Brief description-attach copy): A written examination to be passed with a minimum of 70% at the option of the educational training agency and instructor evaluation of each student during all exercises.

Course Objectives (specific): The student will:

1. be able to identify at least four hazardous respiratory environments encountered in fire fighting. (NFPA 10013-6.1)
2. will demonstrate the ability to use controlled breathing techniques to reduce his/her air usage.
3. demonstrate the use of his/her S.C.B.A. in a dense smoke environment. (NFPA 3-6.2)
4. be familiar with procedures for doing a search in a dense smoke environment, and demonstrate the ability to search and remove victims from a smoke environment. (NFPA 1001 3-10.2)
5. be familiar with how to establish a fire department S.C.B.A. program. (NFPA 1404)
6. be familiar with the NFPA standard on open circuit S.C.B.A. for fighters and it's requirements. (NFPA 1581)
7. demonstrate the emergency techniques for using S.C.B.A. to assist other fire fighters, conserve air, and show restrictions in use of by-pass valves. (NFPA 1001 4-6.3)

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Course Objectives (specific): The student will:

8. be familiar with the dangers of various confined spaces and their possible toxic atmospheres.
9. demonstrate the ability to enter confined spaces with S.C.B.A. including removal of S.C.B.A. from his/her back while still using the S.C.B.A.
10. be familiar with air line use and dual purposes S.C.B.A. and demonstrate the ability to use dual purpose S.C.B.A. with an air line if available.

**Questions/Comments: Contact: Rita Wessel, Curriculum Specialist: Extension 106
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