

SECTION 23 FIREFIGHTER SAFETY/PERSONAL PROTECTIVE CLOTHING

The Certification Board suggest it will take a class of **40** individuals **28** hours to cover the following objectives in this section (actual time may vary based on class size).

BASIC

- 23-01.01 Trainee shall identify the various types of fire service protective clothing such as structural, wildland, and ARFF. Trainee shall also identify their components:
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| A. turnouts | D. boots |
| B. helmets | E. SCBA |
| C. gloves | |
- 23-01.02 Trainee shall identify procedures for inspecting, cleaning, and maintaining the components of a personal protective ensemble after each use.
- 23-01.03 Trainee shall describe the limitations of personnel working in a personal protective ensemble.
- 23-01.04 Trainee shall demonstrate the operation of a Personal Alert Safety System (PASS) device.
- 23-01.05 Trainee shall identify the safety procedures and precautions during fire apparatus operations:
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| A. attire to be worn while riding on apparatus responding to an alarm and, |
| B. describe/list safety precautions required while riding fire apparatus. |
- 23-01.06* Trainee shall identify dangerous building conditions created by fire.
- 23-01.07 Trainee shall define techniques for action when trapped or disoriented in a fire situation or in a hostile environment.
- 23-01.08* Trainee shall define procedures to be used in electrical emergencies.
- 23-01.09* Trainee shall define fire service lighting equipment.
- 23-01.10* Trainee shall define safety procedures when using fire service lighting equipment.
- 23-01.11* Trainee shall demonstrate the use of portable power plants, lights, cords, and connectors.
- 23-01.12* Trainee shall define safety procedures as they apply to emergency operations, specifically:
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| A. protective equipment | D. riding on apparatus |
| B. team concept | E. hazardous materials incidents |
| C. portable tools and equipment | |
- 23-01.13 Trainee shall identify the safety purpose of the 2 in 2 out rule per NFPA 1403.

INTERMEDIATE

- 23-02.01 Trainee shall demonstrate techniques for action when trapped or disoriented in a fire situation or hostile environment by:
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| A. ability to read a preplan of a structure and diagram all possible escape routes prior to entry. |
| B. exiting a smoke filled area by reversing the entry path while keeping in contact with a wall at all times, making all turns in the same direction (i.e. left or right) until out of the area. |
| C. working with a charged line, protecting himself during flashover or falling burning ceilings, by immediately setting stream patterns to full fog, dropping to the floor, rolling onto back and using protective fog pattern to cool area directly overhead and. |
| D. demonstrating by feel, knowledge of which direction of a coupled hose line leads to the nozzle end and which leads to the water supply. |

ADVANCED

- 23-03.01 Trainee shall define procedures to be used in electrical emergencies by:
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| A. identifying four (4) agents for extinguishing fires in electrically energized equipment. |
| B. identifying minimum safe distances from which he can apply water fog pattern to electrically energized equipment as determined by the voltage. |
| C. identifying safe and unsafe areas for the placement of ground ladders near electrically energized wires. |
| D. identifying types of conductive vs. non-conductive ladder construction materials. |
| E. explaining the safest action to be taken when aerial apparatus may come in contact with electrically energized overhead wires. |
| F. defining procedures for extinguishing transformer fires on utility poles. |
| G. identifying precautions to be taken with downed electrical wires and explain methods of removing a victim who has come in contact with live wires. |
| H. explaining the safe procedure for interrupting residential electrical service. |
- 23-03.02 Trainee shall review all Basic and Intermediate objectives and shall demonstrate proficiency in Basic and Intermediate skills.