

## SECTION 4 FIRE HOSE PRACTICES

### *Live Fire Training Prerequisite*

- 4-I.01 Trainee shall identify the sizes, types, amounts, and use of hose carried on fire apparatus.  
**NFPA 1001 4.3.10**
- 4-I.02 Trainee shall demonstrate the use of nozzles, hose adapters, and hose appliances carried on the local fire apparatus.  
**NFPA 1001 4.3.10.A-B**
- A. Nozzles
    - 1. Solid stream nozzle
    - 2. Fog nozzle
    - 3. Cellar nozzle
    - 4. Applicator nozzle
    - 5. Master stream device (Playpipe)
  - B. Water Valves
    - 1. Gate
    - 2. Ball
    - 3. Butterfly
    - 4. Clapper
    - 5. Piston
  - C. Hose Adapters
    - 1. Double male
    - 2. Double female
    - 3. Reducers
    - 4. Increasesers
    - 5. Elbows
    - 6. Caps
    - 7. Plugs
    - 8. Blindcaps
  - D. Hose Appliances
    - 1. Manifold
    - 2. Water thief
    - 3. Wye
    - 4. Siamese
    - 5. In-line relay valve
    - 6. Intake relief valve
  - E. Hose Tools
    - 1. Spanner wrench
    - 2. Hydrant wrench
    - 3. Hose strap
    - 4. Hose rope
    - 5. Hose chain
    - 6. Hose roller
    - 7. Hose jacket
    - 8. Hose clamp
    - 9. Suction hose strainer
    - 10. Hose bridges
    - 11. Hose wringers
- 4-I.03 Trainee, given the necessary equipment and operating as an individual and as a member of a team, shall advance dry and charged hose lines of two different sizes, both 1½" or larger, from fire apparatus:  
**NFPA 1001 4.3.10.A-B, 4.3.13.A-B**
- A. into a structure
  - B. up a ladder into an upper floor window
  - C. up an inside stairway to an upper floor
  - D. up an outside stairway to an upper floor
  - E. down an inside stairway to a lower level
  - F. down an outside stairway to a lower level
  - G. to an upper floor by hoisting
- 4-I.04 Trainee shall demonstrate the techniques for cleaning fire hose, couplings, and nozzles; and inspecting for damage.  
**NFPA 1001 4.5.2**

- 4-I.05 Trainee shall connect a fire hose to a hydrant, and fully open and close the hydrant.  
**NFPA 1001 4.3.15.A-B**
- 4-I.06 Trainee shall demonstrate the loading of fire hose on fire apparatus and identify the purpose of at least three types of hose loads and finishes.  
**NFPA 1001 4.5.2.A-B**
- 4-I.07 Trainee shall demonstrate three (3) types of hose rolls.  
**NFPA 1001 4.5.2.A-B**
- A. Straight roll
  - B. Donut roll
  - C. Twin donut roll
    1. Method one
    2. Method two
  - D. Self-locking twin donut roll
- 4-I.08 Trainee shall demonstrate two (2) types of hose carries.  
**NFPA 1001 4.3.10.A-B, 4.5.2**
- |                                      |                             |
|--------------------------------------|-----------------------------|
| A. Working line drag                 | E. Minuteman load           |
| B. Wyed lines                        | F. Triple layer load        |
| C. Accordion or flat shoulder method | G. Horseshoe shoulder carry |
| D. Pre-connected flat load           |                             |
- 4-I.09 Trainee shall demonstrate coupling and uncoupling fire hose.  
**NFPA 1001 4.3.10.A-B**
- A. Trainee, given fire hose used for fire attack, 1½" or larger, and water supply hose, 2½" or larger, shall describe and demonstrate the one-person methods of connecting hose lines.
    1. One firefighter foot-tilt method
    2. Between-the-feet method
    3. Across-the-leg method
  - B. Trainee, operating as a member of a team, given fire hose used for fire attack, 1½" or larger, and water supply hose, 2½" or larger, shall describe and demonstrate the two person methods of connecting hose lines.
  - C. Trainee, operating as an individual or a member of a team, shall describe and demonstrate the methods of breaking a tight screw-thread connection.
    1. One firefighter knee-press method
    2. Two firefighter stiff arm method
    3. Spanner wrench
- 4-I.10 Trainee shall work from a ladder with a charged attack line, 1½" or larger.  
**NFPA 1001 4.3.10.A-B**
- 4-I.11 Trainee, given fire hose used for fire attack, 1½" or larger, and water supply, 2½" or larger, shall demonstrate the method for extending a hose line.  
**NFPA 1001 4.3.10.A-B**
- 4-I.12 Trainee shall demonstrate the techniques of carrying hose into a building to be connected to a standpipe, and of advancing a hose line from a standpipe (if found in AHJ).  
**NFPA 1001 4.3.10.B**

- 4-I.13 Trainee, given fire hose used for fire attack, 1½" or larger, and water supply, 2½" or larger, shall describe and demonstrate replacing a burst section of hose line.  
**NFPA 1001 4.3.10.A-B**
- 4-I.14 Trainee shall demonstrate all hand hose lays.  
**NFPA 1001 4.3.15.B**
- 4-I.15 Trainee shall demonstrate inspection and maintenance of fire hose, couplings, and nozzles, and recommend replacement or repair as needed.  
**NFPA 1001 4.5.2.A-B**
- 4-I.16 Trainee shall demonstrate all hydrant-to-fire apparatus hose connections.  
**NFPA 1001 4.3.15**
- 4-I.17 Trainee shall select the proper adapters, appliances, nozzles, and hose, given different fire situations.  
**NFPA 1001 4.3.10**
- 4-I.18 Trainee shall identify hose classifications by use and construction.  
**NFPA 1001 4.3.8, 4.3.10**
- A. Use
1. Attack hose
  2. Relay-supply hose
  3. Intake hose
  4. Extinguisher hose
- B. Construction
1. Woven-jacket hose
  2. Rubber-covered hose
  3. Braided hose
  4. Wrapped hose
- 4-I.19 Trainee shall identify types of fire hose couplings.  
**NFPA 1001 4.3.10.B**
- A. Threaded couplings
- B. Storz-type couplings (Sexless couplings)
- 4-I.20 Trainee shall identify the methods of constructing fire hose couplings.  
**NFPA 1001 4.3.10**
- 4-I.21 Trainee shall identify the methods of attaching couplings to fire hose.  
**NFPA 1001 4.3.10.B**

*Firefighter I – There are no objectives required for this certification level.*

*Firefighter II*

- 4-II.01 Trainee shall select the proper adapters, appliances, nozzles, and hose, given different fire situations.  
**NFPA 1001 5.3.1.A, 5.3.2.A, 5.3.3**
- A. Simulated ignitable liquid fire
- B. Simulated residential structure fire
- C. Simulated flammable gas cylinder fire
- 4-II.02 Trainee shall conduct an annual service test for fire hose.  
**NFPA 1001 5.5.5.A-B**