Course Title: High Rise Fire Fighting (HIRI)

Length of Course: 16 Hours  Lecture/Lab Breakdown: 8/8

Prerequisites: ELIF or EBM plus ECOP and TRCO


Course Goal: This course will introduce the student to basic and advanced concepts of high-rise operations at high-rise incidents.

Description of Course: This course will provide instruction in fire fighting and support operations in high-rise buildings. The special problems encountered by the fire fighter in this type of fire are also discussed. Safe operations, the use of a tactical checklist and application of the Incident Command System are stressed.

Description of Methodology to be used: (Brief) A combination of lecture, demonstration, table-top exercises and supervised evolutions.

Student Equipment/Supply Needs: Notebook and pen/pencil, full Turn Out Gear with spare SCBA cylinder.

Equipment/Audiovisual/Supply requirements: Classroom with adequate seating, screen, chalkbaord, slide projector, VCR w/ monitor, overhead projector as appropriate for the audiovisuals selected.

Apparatus typical to a first alarm assignment for the response area (minimum of two engines and an aerial apparatus) plus air/light, EMS and Rehab units.

Sufficient assistant instructor during the Practical Field Exercises to provide a 1:5 instructor to student ratio is recommended to assure safe and effective completion of practical evolutions.

The specific 6 hour practical exercises employed will be chosen by the instructor on a case-by-case basis, taking into consideration available facilities and any locality - specific (Continued)
Equipment/Audiovisual/Supply requirements: continued

Issues. They will be designed to reinforce course objectives within the parameters of the available resources. They may consist of (but not necessarily be limited to) table-top exercises, single-skill evolutions or combined skill evolutions. Based on time/facility constraints, a maximum enrollment of 30 students is emphatically recommended.

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<tr>
<th>Time</th>
<th>Content</th>
<th>Instructor</th>
<th>Notes</th>
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<tbody>
<tr>
<td>2:00</td>
<td>Introduction to High-Rises and their Problems</td>
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<td>1:00</td>
<td>Building Construction and Systems</td>
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<td>2:00</td>
<td>Tour of High-Rise Structures</td>
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<td>2:00</td>
<td>Pre-planning</td>
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<td>2:00</td>
<td>Command Concepts and the High-Rise Incident</td>
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<td>1:00</td>
<td>EMS/Support Operations</td>
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<td>6:00</td>
<td>Practical Field Exercises</td>
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Competency Evaluation Mechanism (Brief description-attach copy): Written examination (optional) and student evaluation by instructors during practical evolutions.

Course Objectives (specific): Upon successful completion of this program, the student shall be able to:
1. identify structures which are considered to be high-rise buildings.
2. list common complicating factors of high-rise buildings which require the modification of standard structural fire fighting strategy and tactics.
3. identify the common types of construction found in high-rise buildings.
4. list the impact of high-rise construction types on fire fighting operations.
5. identify common mechanical (HVAC) & fire detection/annunciation/suppression systems found in high-rise buildings; and their impact on high-rise fire fighting operations.
6. describe a command system capable of managing the resources necessary to safely and efficiently complete high-rise operations including command and staff positions specific to high-rise operations.
7. describe the impact of building specific pre-planning on high-rise operations; including the components of an adequate high-rise pre-plan.
8. describe the support operations necessary for a successful high-rise operation; including EMS and rehab operations.
9. working as a crew of three to five fire fighters, complete the following tactical evolutions:
   a. connect to and advance both small (1-1/2" or 1-3/4") and large 2-1/2") interior hoselines from standpipes.

Continued
Course Objectives (specific):  continued  
   b. support existing standpipe and/or sprinkler systems with fire department pumping apparatus.  
   c. develop an alternate water delivery system from fire department pumping apparatus to supplement inadequate, failed or absent standpipe systems.  
   d. conduct a large area search.  
   e. provide adequate stair tower pressurization using existing building systems.  
   f. Provide adequate stair tower pressurization using positive pressure ventilation.  
   g. correctly utilize fire service elevators during high-rise operations.  
   h. establish an effective incident command system to manage the resources of a high-rise operation.  

* Dependent on available facilities  

Questions/Comments: Contact the Curriculum Specialist