



# Pennsylvania State Fire Academy

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## Minimum Standard for Accreditation (MSA)

**Date:** June 2001  
Revised 1/06

**Course Title:** Incident Command System (NFA) (ICHO)  
for High Rise Operations

**Length of Course:** 16 Hrs

**Lecture/Lab Breakdown:** 16/0

**Prerequisites:** NICS-FS or NICS-EMS or ICS

**Referenced Texts:** NFPA 1500; NFPA 1561; SARA Title III; 29CFR1910; Student Manual

**Course Goal:** Upon completion of this course, the student will understand the basic concepts of incident management and ICS as applied to operations in high-rise occupancies.

**Description of Course:** This course is designed to assist emergency response officers in organizing high-rise incidents by organizing resources, developing strategies, and managing tactical operations and interagency coordination, to protect life and minimize damage at high-rise incidents. This course is intended for fire service officers who have responsibility for managing high-rise incidents.

**Description of Methodology to be used (Brief):** Combination of lecture, guided discussion, and structured group activities.

**Student Equipment/Supply Needs:** Note taking materials, student manual

### **Equipment/Audiovisual/Supply requirements:**

- Classroom -- desks (table and chairs), TV/VCR, projection screen, Slide projector, Easel pad, markers, Dry erase board.

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

<b>Time</b>	<b>Content</b>	<b>Instructor Requirements</b>
0.5	Registration, Introductions	1
1.5	Module 1 - Introduction	1
2.5	Module 2 - High-rise Construction	1
2.5	Module 3 - High-rise Building Systems	1
2.0	Module 4 - Strategy and Tactics	1
1.0	Module 5 - Heating, Ventilating, and Air Conditioning Systems	1
5.5	Module 6 - Basic Organizational Approach	1
0.5	Critique, Exam	1

**Competency Evaluation Mechanism:** The program will use a written exam at the completion the program.

## MINIMUM STANDARD FOR ACCREDITATION

Course Title: Incident Command System for High Rise Operations (ICHO)

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**Course Objectives (specific):** Upon successful completion, the student shall:

1. Describe the course goal.
2. List unit titles and general content.
3. Describe administrative issues relevant to the classroom.
4. Explain how their performance will be evaluated
5. List building construction features.
6. Explain the characteristics and fire behavior concerns that affect strategy, tactics, and life safety.
7. List building system features.
8. Explain the characteristics and fire behavior concerns that affect strategy, tactics, and life safety.
9. Identify the high-rise fire Strategic Operating Guidelines.
10. Describe primary assignments for engine and truck company operations.
11. Identify life safety considerations involving evacuation procedures, rapid intervention, responder rehabilitation, and personnel accountability.
12. Explain the fundamental operation of a heating, ventilating, and air conditioning (HVAC) system.
13. Explain the impact of the HVAC system on ventilation efforts.
14. Explain fire department ventilation techniques at high-rise incidents.
15. List time/distance factors.
16. Explain the need for Staging.
17. Explain the necessary logistical functions of Base, Lobby Control, Stairwell Support, Communications, and Systems.
18. Identify first-alarm capabilities and the Incident Command System (ICS) organization.

**Questions/Comments: Contact the Curriculum Specialist**