



## Office of State Fire Marshal

Protecting citizens, their property and the environment from fires and hazardous materials.



## Fire Plan Examiner Preparation Course

### Instructors:

Eric McMullen has 22 years of fire service experience with eleven years of experience providing fire plan review. He currently has his ICC Fire Plans Examiner and ICC Fire Inspector II certificate.

### Scope of Course:

The ICC Fire Plan Examiner Preparation course is intended to assist attendees in preparing for the ICC Fire Plans Examiner certification exam and to provide a base level of plan review methodology, skills, and experience.

This course will cover the applicable aspects of the 2006 International Fire Code, 2006 International Building Code, 2007 Edition of NFPA 72 and the 2007 Edition of NFPA 13 as they relate to plan review.

The course is designed to provide practical hands-on application including plan review, group tasks and presentations, subject exercises, and class discussions.

### Course Content:

The ICC Fire Plan Examiner Preparation course is divided into nine modules:

- |  |   |
|--|---|
| <b>Module 1:</b> Plan Review   | <b>Module 6:</b> Fire Protection -<br>Sprinklers and Standpipes |
| <b>Module 2:</b> Administration                                      | <b>Module 7:</b> Hazardous Materials                            |
| <b>Module 3:</b> Occupancies   | <b>Module 8:</b> Fire Protection -<br>Fire Alarms               |
| <b>Module 4:</b> Fire Protection - Water<br>Supply and Extinguishers | <b>Module 9:</b> Specific Occupancy and<br>Use Hazards          |
| <b>Module 5:</b> Egress and Safety                                   |   |

*Note: Please see back page for additional details.*

### Student Materials:

Students will be provided a student manual on the first day of the training. Students are also expected to bring the following materials to class:

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|---|---|
| - Calculator (capable of exponent function)                       | - 2007 NFPA 72 National Fire Alarm Code |
| - 2007 NFPA 13 Standard for the Installation of Sprinkler Systems | - 2006 International Fire Code          |
|   | - 2006 International Building Code      |

**Day One, Eric McMullen****8 AM - 5 PM****Module 1: Plan Review**

- Resources
- Tools and equipment
- Expectations
- Documentation, policies, and interpretations
- Review methodology
- Correspondences
- Policies and Procedures

**Module 2: Administration**

- Research and Testimony
- Permits
- Records
- Enforcement

**Module 3: Occupancies**

- Occupancy types
- Occupancy uses
- Type of construction

**Module 4: Fire Protection**

- Water Supply
- Fire Extinguishers

**Module 5: Egress and Safety**

- Occupant Load
- Means of egress
- Emergency and standby power
- Exit signage
- Emergency lighting

**Day Two, Eric McMullen****8 AM - 5 PM****Module 7: Hazardous Materials**

- MSDS, HMMP
- Control areas
- Special hazards
- Flammable/combustible liquids

**Module 9: Specific Occupancy and Use Hazards**

- Smoke control system
- Lumber Yards and Woodworking Facilities
- Industrial Ovens
- Motor Fuel Dispensing
- Tire Rebuilding and Tire Storage
- Tents, Canopies and Other Membrane Structures
- Welding and other Hot Works

**Day Three****8 AM - 5 PM****Module 6: Fire Protection - Sprinklers and Standpipes**

- Sprinklers
  - When required
  - Types of systems
- System components
- Hydraulics
- NFPA 13, 13R, 13D
- High-piled storage
- Plan review checklist

**Day Four****8 AM - 5 PM****Module 6: Fire Protection - Sprinkler and Standpipes Continued**

- Sprinklers ~ continued
- Standpipes
- When required
- Types of systems
- Plan review checklist

**Module 8: Fire Protection - Fire Alarms**

- Fire Alarms
  - When required
- Types of systems
- System components
- Voltage drop
- Plan review checklist

**Module 9: Specific Occupancy and Use Hazards**

- High-piled combustible storage
- Semi-conductor facilities
- Spray finishes