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|---------------------------------------------------------------------------------------------------------------|-------------------------|-----------------------------------------|
| <b>Basic Duties of the ISO-Identify Scene Hazards</b>                                                         | <b>Fire Engineering</b> | Standard References<br>NFPA 1521; 6.2.1 |
|                                                                                                               | <b>Safety Officer</b>   |                                         |
| <i>Instructors should always include employer references and procedures in this and any training session.</i> |                         |                                         |

### Incident Scene Hazards

**Background:** The Incident Safety Officer (ISO) must be able to assess scene hazards for conditions and actions that are immediately or potentially dangerous to firefighters. A process of determining these factors must be used at every incident that the ISO responds to. Using a basic risk management approach, the ISO could determine these factors in a logical manner. This process, known by the acronym IEPCM which stands for Identify, Evaluate, Prioritize, Control & Monitor, allows the ISO to evaluate and prioritize incident scene hazards.



### Hazards

- Identify
- Evaluate
- Prioritize
- Control
- Monitor



### Identification of Scene Hazards

Identify hazards, actions, and conditions that could risk injury or death if not corrected by the ISO.

- **Identify unsafe acts;** things that a firefighter may be doing that could be hazardous:
  - Lack of PPE
  - An unhealed ladder
- **Identify unsafe conditions;** or parts of the physical environment that a firefighter may be operating in that could be hazardous:
  - Ice or other environmental conditions
  - Working near smoke, heat or other products of combustion

Your knowledge of basic fireground tactics and operations as well as your ability to size-up a fire scene will allow you to determine many of these factors. Do not get involved in tactical operations as you would as a company or sector officer unless those actions are unsafe. Your priority needs to be focused on incident scene safety.

| <b>Identify the Unsafe Acts and Conditions and Describe What Would Your ISO Actions Be.</b> |                                                                             |                                                                       |                                                                            |                                                                     |
|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|-----------------------------------------------------------------------|----------------------------------------------------------------------------|---------------------------------------------------------------------|
| Crew working on an unhealed ground ladder                                                   | Firefighter walking inside a collapse danger zone                           | A firefighter who appears to be working alone                         | Firefighters operating in offensive positions in a defensive operation     | An apparatus parked in the flow of traffic                          |
| A portable monitor device operating below safe elevations                                   | Smoke begins to show between mortar joints in an ordinary constructed bldg. | Firefighters are using an inadequate gpm flow rate for amount of fire | Firefighters have been working in full SCBA for an extended period of time | The fire scene does not have an incident command structure in place |