HOW IS THE STANDARD USED AND WHAT ARE THE KEY ELEMENTS?

The key elements of the standard are the areas of requisite knowledge for fire investigation and the Job Performance Requirements (JPR) to allow the fire investigator to properly perform their duties. The requisite knowledge areas include fire science (fire chemistry, thermodynamics, fire dynamics, explosion dynamics), fire investigation (fire analysis, fire investigation methodology and technology, evidence documentation, collection, and preservation), fire scene safety (hazard recognition/evaluation/mitigation, hazardous materials, safety regulations), and building systems (construction types, fire protection systems, electricity and electrical systems, fuel gas systems). The annex describes the detailed knowledge required in each area.

There are seven JPRs defined in the standard:

1. General
2. Scene examination
3. Scene documentation
4. Evidence collection/preservation
5. Interviewing
6. Post-incident investigation (after the scene examination)
7. Presentation (written and verbal reports, including testimony)

Each JPR has specific sub-tasks and has defined knowledge and skill requirements.