



1 Day Seminar

I.S.3217:2008: Emergency Lighting Systems:
I.S.3218:2009: Fire Detection and Alarm Systems:
Safety Health and Welfare at Work Construction Regulations

A) I.S.3217:2008: Emergency Lighting Systems:

Overview: IS3217 the Irish Standard for Emergency Lighting was updated after almost 20 years and released in 2008. The new Standard while similar in form to the previous issue contains many changes to reflect the improvements in technology; the increase in relevant reference standards; and improvements in Emergency Lighting techniques.

This review is designed to update Contractors familiar with the 1989 Code of Practice with the changes in the new Standard to the extent that will allow them to continue with their activities in relation to such systems under the new requirements of the Standard.

1. Introduction: - Background to the Standard
- Legislative Status
- Need for Emergency Lighting

2. Design: - Changes to general design criteria
- Choice of System
- System Changes
- Illuminance Level Changes
- System Integrity
- Siting of Luminaires
- Glare

3. Installation: - Segregation
- Cables
- Circuit Protection
- Handover Documentation

4. Service and Maintenance: - Reviews Inspection and Testing; Service and Maintenance.

5. User Responsibilities

6. Certification and Annexes - Certification procedures are explained in detail.
- Several of the Annexes to the Standard have been revised considerably and these changes are discussed and explained.

B) I.S.3218:2009: Fire Detection and Alarm Systems:

The Irish Code of Practice (COP) for Fire Detection and Alarm Systems for Buildings were first issued in 1989. The new Irish Standard is 3218:2009 and was released at the beginning of May 2009. This course will review:

1. A brief overview of the Design Considerations section which has been radically overhauled.

The principal changes include: - The introduction of a detailed Design Process whereby the Fire Detection and Alarm System design is integrated into a more defined and established Fire Safety Strategy for the premises.
- Single organisation responsibility for the fire detection and alarm system design, installation, commissioning and handover.
- The original COP recommendations have been amended and updated. The new Standard provides significantly more recommendation in respect of Design.

2. The Installation of fire alarm systems has been clarified in respect of: - Responsibilities of the various parties
- The specifications for cables which have been upgraded.
 - Cable installation recommendations
 - Installers handover details
 - Installers Certification

3. A new section has been added which reviews the causes of false alarms: where the responsibilities for the limitation of false alarms lie and recommendations for the limitations of false alarms.

4. The duties and responsibilities of the Commissioning Engineers have been expanded in the new Standard.

5. The four-part certificate has been eliminated and is replaced by separate certificates for:
- Design
 - Installation
 - Commissioning
 - Handover

6. The new Standard now includes fire alarm systems in residential buildings. This course looks at the various types of residential buildings and proposes appropriate fire detection and alarm systems. For the first time, the standard also includes recommendations, largely based on BS 5839-6: 2004, in respect of domestic dwellings.

C) Safety Health and Welfare at Work Legislation (Construction):

1. Summary of current Acts and Regulations.

2. Who are specified under the Regulations?

- This would cover the definitions for 'construction' 'projects' 'contractors' 'designers', etc
- It will show many that works carried out and assumed were exempt, are actually covered under the Regulations

3. Brief review of the Client duties under the Regulations.

4. The Contractor as a Designer and the Duties of the Designer:

5. Appointments; Notification; Roles of PSDP and PSCS, etc:
- Will look at the need for Preliminary H&S Plans; Notification of Projects to the Authorities; the need for Planning and/or Fire Safety Certification;
 - When are PSDP and PSCS needed?
 - What do they do?

6. Duties of the Contractor:

- As an Employer:
 - General duties of Designers....Suppliers Section 16
 - Duties relating to Construction Section 17
 - Hazards and Risks Section 19
 - Safety Statement Section 20
 - Others as appropriate
- As a Contractor:
 - Providing information
 - Safety File
 - Compliance with the Regulations
 - General Principles of Prevention
 - Site Safety Representative
 - Safety Awareness and Skill Cards
 - Safety Officers
 - Plant and Equipment
 - Consultation
 - Employees

7. Summation and Documentation overview: