InterSafe
Protecting People

InFormed™
Managing Energy By Design

Safety in Design
Module 3: Critical Issues for Scoping and Auditing a Review

Identifying Critical Issues Associated With a Design Review

The role of the leader is critical during a Safety in Design review. The leader must be briefed and the work of the review team appropriately scoped. The person briefing the review leader, the review leader and any auditor of the review should be sensitive to the critical issues to increase the chances of a quality outcome. Design reviews can be expensive, the quality of the work low and the experience negative for team members. All of this can be different if the review is scoped against a range of critical issues.

This course will provide the necessary insights for those accountable for scoping and auditing a Safety in Design Review.

This course is suited to designers, draftsperson, engineers, specification writers and their leaders.

Outcomes of this Course

This short course is designed to assist with the scoping and auditing of a Safety in Design Review for any of a project's phases. The attendees will:

1. Understand the Phases of a project.
2. Understand the Pareto Principle (80/20) and how it applies to design reviews.
3. Understand the difference between construction and constructability, operations and operability, maintenance and maintainability.
4. Understand the critical issues involved in scoping and auditing a Safety in Design Review.
5. Understand a range of critical frameworks of thinking, such as Taxonomies and Sectioning.

Course Outline

1. **Context of a Safety in Design Review**
- Legal, moral and professional health and safety obligations
- The health and safety Risk Management Process
- Project's Phases

2. **Critical Frameworks**
- Framework 1: The Pareto Principle
- Framework 2: Taxonomy or Pattern Analysis
- Framework 3: Damage not Injury or Disease
- Framework 4: Damage as a Consequence of an Energy Exchange
- Framework 5: Egocentric and Ergonomic Models
- Framework 6: Incident Prevention Extended to Damage Reduction
- Framework 7: Identifying Effective Controls
- Framework 8: Construction v Constructability, Operations v Operability, Maintenance v Maintainability
- Framework 9: Analysis Techniques
- Framework 10: Sectioning

3. **Scoping a Safety in Design Review**
- Steps in the Review

4. **Auditing a Safety in Design Review**

Course Detail

This 1 day course is normally delivered on site using client training facilities for 10 - 15 people.

This course is also included in the 2 day course, 'Safety in Design – The Theory' and is presented on the afternoon of the second day.

Other InFormed™ Courses and Resources

This course can be built on by a range of other courses and resources in the InFormed™ series, including:

- Safety in Design – Module 1: The Theory
- Safety in Design – Module 2: Leading a Review
- Health, Safety and Environment (HSE) in Design Philosophy with associated Design Criteria

Next Steps

If you would like to discuss an **InFormed™** course or how InterSafe could assist you please contact one of our team on:

+61 7 3895 8111

or **enquiries@intersafe.com.au**

Who is InterSafe?

InterSafe specialises in incident investigation. InterSafe has assisted our clients in effectively controlling the future through preparation of more than 10,000 comprehensive incident reports (dealing mostly with fatal/permanently disabling occurrences) throughout 60 years of collective experience.

This experience has led to a unique way of thinking about, investigating and preventing incidents. InterSafe shares these powerful and effective investigation models and techniques through a range of courses and services.

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