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international Engineering Safety Management “Life Saving Second Opinions” Independent Assessment Training

Two-day Course

The objective of this two-day course is to provide an understanding of the tools and techniques of Independent Assessment. This will be essential for those who perform the activity but useful for those who procure or manage it or those whose work is subject to assessment by others. Independent Assessment – also known as ISA - is about building confidence that the proposed change to the railway is acceptably safe in the application under consideration i.e. the risk is controlled to an acceptable level. iESM Application Note 4 forms the basis of this training, which is interactive and supported with exercises and real examples.

The course is examined with a certificate for the successful participants who wish to take the exam.

After the course attendees will understand:

- The need for a Independent Assessment and how it can reduce project and safety risk;
- Key Independent Assessment concepts and terminology;
- Planning an Independent Assessment;
- Good practice tools and techniques for Independent Assessment and be able to apply the guidance on implementing them, including:
 - Document assessment
 - Observation categorization
 - Safety audit overview
 - Diverse analysis
 - Vertical Slice Analysis
 - Sampling
 - Managing outcomes

A copy of iESM Application Note 4 will be provided to participants along with a course workbook.

General Note

The international Engineering Safety Management (iESM) guidance has been developed by the TPD Group and reviewed by an international Working Group of system safety practitioners. iESM is most effectively practiced by trained and competent professionals. The Independent Assessment course requires participants to have passed the iESM exam – see separate course details.

iESM resources and a list of competent practitioners will be found at www.intesm.org