



Institution of Railway Signal Engineers PEC TRAINING SEMINAR

Professional Education Committee

Management of Testing and Commissioning for Signalling and Control Systems

A one-day training seminar is being presented on Thursday 26 March 2020, prior to the IRSE Technical Meeting and Annual General Meeting in Adelaide.

The course is suitable for those who have some experience in testing of signalling and control systems. It provides information and an insight to the Roles of Test Team Leader, Assistant Tester in Charge and Tester in Charge of signalling and control systems projects. It is also suitable for Project Managers and Project Directors who oversee the work of others undertaking the management of testing and commissioning of signalling and control systems.

While there are no specific pre-requisites for the course, attendees should have a good knowledge of the testing processes and the related documentation and standards. Attendees who have previous experience in the testing of signalling and control systems will be readily able to follow the issues being discussed. Attendees should have a good understanding of the standards and procedures for testing and commissioning of a rail infrastructure manager or read AS7716 Signalling Testing Processes and AS7717 Signal Testing and Commissioning.

The training seminar will be interactive with a blended approach of information presentations, discussion, activities and question time. Attendees will receive a Certificate. The course is 5 hours of continuing professional development (CPD). The following subjects will be covered:

Topic 1 – Responsibility and Safe Outcomes

- *What are the responsibilities for managing new infrastructure into service?*
- *What can go wrong.*
- *Safety and the Rail Infrastructure Manager*
- *Demonstrating safe processes*

Topic 2 – Testing and Commissioning Activities

- *Understanding the scope of the items and activities for commissioning of signalling and control systems.*
- *Understanding prerequisites required for Testing and Commissioning*
- *Documentation associated with testing processes*
- *Overview of interactions with other disciplines and rail operations*

Topic 3 - Management Plans for all activities and contingencies

- *Understanding the issues that need to be planned for testing and commissioning*
- *Responsibilities for staff involved in testing and commissioning*
- *Overview of the test and commissioning management plan*
- *How to handle contingencies for a commissioning*

Topic 4 - Systems into Service and records

- *Understand the issues to support bringing the system into service*
- *What are good operational outcomes after a commissioning*
- *What can go wrong after the commissioning*
- *Closing out the changes to the infrastructure*
- *Record keeping of a commissioning*

Registration is essential. The cost is \$350 for IRSE members and \$450 for non-IRSE members.