INSIGHT INTO RAILWAY SIGNALLING COURSE 2018

AUSTRALASIAN RAILWAY ASSOCIATION

IRSE INSTITUTION OF RAILWAY SIGNAL ENGINEERS AUSTRALASIA

This one-day introductory course is prepared and presented by experienced signalling engineers currently working in the Australasian rail industry.

Presenters are all members of the Institution of Railway Signal Engineers Australasia and have each worked in the rail industry for many years.

This is a great opportunity to learn direct from experienced signalling engineers. Each presenter crafts their sessions around their own experiences sharing a wealth of rail signalling knowledge and expertise with attendees.

If you work in rail and liaise with signal engineers, interface to railway signal systems, coordinate with signalling projects or provide operational requirements for signalling systems, this course will provide the insight you need to understand the technology, processes and principles used by railway signal engineers.

Learning outcomes

Throughout the one-day course, attendees will:

- Learn how to read a signal plan and obtain information
- Understand the relevance of signalling sub-systems
- Gain an understanding of how the signalling system fits within the operational railway
- Understand the use of signalling documentation
- Learn to support and maximise the outcomes from signalling design, construction, testing and commissioning
- Understand the importance of signalling maintenance activities and records
- Gain an understanding of the signal design process and its interfaces to train operation and track design
- Understand the operation of signalling equipment and the overall signalling system

Course content

The course is structured into the following sessions:

- Why have railway signalling
- Signalling Basics
- Signalling Equipment Overview
- Signalling Equipment
- Computer Based Signalling Equipment
- Tailoring Signalling to Train Operations
- Operations Requirements and Signalling
- Designing the Signalling System
- Reading a Signal Plan
- Constructing the Signalling System
- Testing and Commissioning
- Operating the Signalling System
- Maintaining the Signalling System
- Glossary of Signalling Terms
- Signalling Safety Requirements
- Assessment – Reading a Signal Plan

2018 courses

22 March, Adelaide
June, Brisbane (date tbc)
August, Melbourne (date tbc)
October, Sydney (date tbc)

To register or for more information

For further information or to register your interest to attend, please contact Janet Cameron, Events Manager:

P	(02) 6270 4527

E	events@ara.net.au

W	www.ara.net.au

An Insight into Railway Signalling Course is a joint venture by the Australasian Railway Association and Institution of Railway Signal Engineers Australasia.