

INTERMEDIATE SIGNALLING TECHNOLOGY (ASSESSMENT ONLY PATHWAY)

DESCRIPTION

This course recognises RIW Cardholder's with a valid MTM or V/Line Signal Principles Design Engineer Job Role who are transitioning to a Signalling Principles Designer – National Job Role.

AUDIENCE

This course allows these RIW Cardholder's to complete the assessment only component of the Intermediate Signalling Technology course to validate the new MTM or V/Line – Signalling Principles Designer – NEW Job Role prior to carrying out Signalling Principles Scheme tasks on the MTM and V/Line Networks.

COURSE OBJECTIVES

This course will cover the following objectives:

- Understand the role and responsibility of Signalling Principles Designer and limits of authority
- Understand the design and testing process, interrelationship, impact on project timescales and approval process
- Understand and describe safe working systems in Victoria (including failure modes)
- Understand factors that impact on braking or acceleration of different rolling stock calculation
- Understand and explain effects of permitted rolling stock on the signalling solution
- Understand aspect sequences and prepare aspect sequence charts
- Understand and explain safety and operational implications relevant to the design of schemes regarding
- Identify junction signalling issues and typical solutions
- Understand and demonstrate route locking, maintaining and releasing requirements
- Demonstrate and apply the principles of

- Understand, calculate and explain level crossing approaches
- Describe key aspects of future train control systems

DISCLAIMER

Detailed objectives and performance criteria will be provided on Day 1.

DURATION

- One (1) Day

DELIVERY MODE

- In Person Classroom Assessment

ASSESSMENT METHOD

- Knowledge Assessment

IMPORTANT

The Knowledge Assessment is **Closed Book**.

Participants must bring their own device to complete the online Knowledge Assessment.

COURSE PREREQUISITES

- Participant MUST be 18+ years of age
- Participants are required to have met the following pre-requisites to commence:
 - Hold a valid Rail Industry Worker (RIW) card
 - Hold a valid Signalling Principles Designer – National Job Role
 - Hold a valid MTM or V/Line – Signal Principles Design Engineer Job Role

PREREQUISITE VERIFICATION

- Verifications will normally be completed by MTA within two (2) business days
- Participants will not be able to proceed with enrolment until verifications have been confirmed

COURSE COMPLETION

Participants who successfully complete all requirements of this course will be awarded a Certificate of Completion (CoC). This certificate is accepted on the MTM Metropolitan Rail Network and V/Line Regional Rail Networks (not including ARTC networks).

RIW CERTIFICATE UPLOADS

Metro Trains Australia (MTA) will upload the participant's certificate to the RIW database and the Training Hub.

Uploads will be completed by MTA, normally within two (2) business days of CoC being issued.

TRAINING DAY REQUIREMENTS

On the day of training participants are required to bring:

- Valid RIW Card
- The following Personal Protective Equipment (PPE) items:

	
Steel capped lace up boots with ankle support	Full length trousers
	
Rail Approved Orange Hi-Vis vest	Long sleeve shirt

IMPORTANT

Participants cannot commence training without an RIW card and PPE.



CLASSROOM VENUE

Rail Academy Newport (RAN)
Shea Street, Newport VIC 3015

- Vehicle and pedestrian access to the RAN is via Shea Street, off Champion Road.
- Note, pedestrian access is **not** available directly to the RAN from Newport Railway Station, it is up to a 30 min walk to Shea Street.



INFORMATION & BOOKINGS

<https://training.metrotrainsau.com>