



PipelineTraining  
AUSTRALIA



# MTS Substation Access Training Course Information

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EL94 - MTS Substation Access

Pipeline Training expects that you are familiar with the contents of this course outline



# MTS Substation Access Training

## Course Code & Title

EL94 – MTS Substation Access

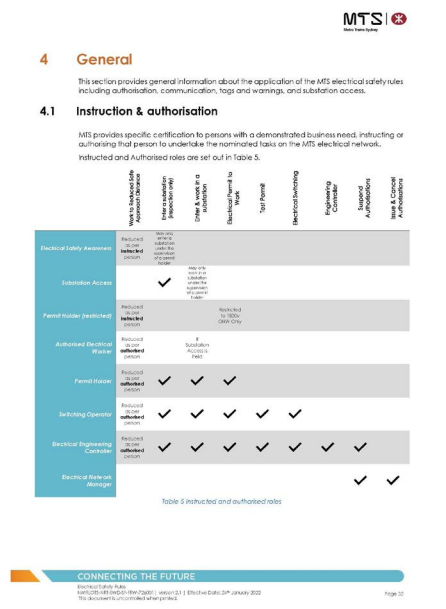
## Course Overview

Certification for Substation Access (formerly Accredited for Entry) is provided to those persons who are required to enter MTS substations as part of their duties. While no Electrical Qualification is required for this role, candidates must demonstrate a sound understanding of electrical hazards.

Refer to section 4.1 of the ESR for tasks that can be completed with each certification



**You must hold a Permit Holder to work in a substation unsupervised**



**4 General**  
This section provides general information about the application of the MTS electrical safety rules including authorisation, communication, tags and warnings, and substation access.

**4.1 Instruction & authorisation**  
MTS provides specific certification to persons with a demonstrated business need, instructing or authorising that person to undertake the nominated tasks on the MTS electrical network. Instructed and Authorised roles are set out in Table 5.

	Work in Substation Non-supervised	Enter Substation (Restricted Access)	Enter Substation (Unrestricted Access)	Other Authorised Substation	Electrical Work in Work	Test Panel	Electrical Switching	Electrical Control	Electrical Authorisation	Electrical Maintenance
Electrical Safety Assessor	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)
Substation Access	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)
Permit Holder (Restricted)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)
Authorised Electrical Worker	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)
Permit Holder (Unrestricted)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)
Switching Operator	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)
Electrical Engineering Contractor	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)
Electrical Work on Material	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)	Permitted (subject to MTS Electrical Safety Rules)

Table 5: Instructed and authorized roles

CONNECTING THE FUTURE  
Electrical Safety Rules | Version 2.1 | Effective Date: 01 JANUARY 2022 | Page 20

[Metro Trains Sydney Electrical Safety Rules](#) sets out how we work safely around electrical equipment. As a person entering HV areas you have a responsibility to read and understand relevant sections of the ESR. These sections include:

- Hazards and Warning
- Access to Substations
- Safe Approach Distances

Important: Substations include RMU Rooms, and 1500VDC Link Switch Rooms.

Completion of this course allows you to work in a substation under supervision or enter a substation unsupervised for inspection purposes only.

Note: At completion of this course you will be considered an Instructed person with regard to

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the Safe Approach Distances (SAD's)

### Substation Access – entering a substation

Persons holding Substation Access are permitted to:

- Enter a substation without supervision for inspection activities only, or
- Work under the supervision of a permit holder, and
- Are NOT permitted to supervise "Ordinary Persons."



**If electrical isolations are required, your permit holder must hold an Electrical Permit to Work for the work**

## What you will learn

- Information from the [Metro Trains Sydney Electrical Safety Rules](#) for persons certified for Substation Access
- Areas that can be accessed
- Identification of substation equipment
- Substation Safety and Access
- Relevant Hazards and Warnings
- Procedure to Enter and Exit a Substation or HV Room
- Safe Approach Distances
- Safety Equipment in Substations
- Emergency response
- Competency Level Restrictions

## Prerequisites

Before commencing this course, you must:

- Have successfully completed the MTS Introduction to Rail Safety (MIRS)
- Have successfully completed the MTS Electrical Safety Awareness (MESA)
- Have demonstrated a need to enter MTS substations
- Hold a current Rail Industry Worker card

## Course Duration

3 Hours

## Price

There are no charges payable to Pipeline Training for the Face to Face Training and Assessment. MTS has contracted Pipeline Training to provide this service.

## Course Dates

Availability is subject to change:

- Training scheduled 3 days/week (normally Monday–Wednesday)
- MTS Substation Access 7:30am – 10:30am
- MTS Permit Holder (Restricted & Unrestricted) 10:30am – 3:30pm

## Course Booking

To make a booking, email [kieran@pipelinetraining.com.au](mailto:kieran@pipelinetraining.com.au) the below information:

- Company Name
- Candidates Full Name as recorded on their RIW Profile
- Mobile Number
- Email
- Date of Birth
- RIW Number

Candidates will receive a booking confirmation by email and a reminder SMS a few days before their booking date.

Call Pipeline Training to make further enquiries on 02 9679 0066 or email [kieran@pipelinetraining.com.au](mailto:kieran@pipelinetraining.com.au)

## Address

47 Tallawong Road, Tallawong NSW 2762 – Sydney Metro Train Facility (SMTF)

## Location

Infrastructure Building – Briefing Room (see below map)



Please ensure:

- You are punctual and arrive on time
- Please wear full PPE (long sleeve shirt, long trousers, steel capped boots, high visibility vest or shirt, hard hat)
- Please have your RIW card
- Please ensure you have completed the eLearning. (You will not be issued with a certificate and you will not be authorised until it is.)

## Certification

Upon satisfactory completion of assessment, participants will be issued a Statement of Attendance for MTS Substation Access Training (85741).

Pipeline Training will upload your certification to your RIW profile and you will receive a soft copy by email.

**You will need to contact your administration and ask that they add the Job Role MTS Substation Access to your RIW profile if this has not already been done.**

- MTS – Authorised Substation Access Worker

Candidates seeking certification with MTS for Substation Access are required to meet the requirements set out below from [Electrical Certifications for Instructed and Authorised Persons](#)

### See 4.1 Generic requirements table 2

- General Construction Induction Training Card (WHITE CARD)
- Statement of Attainment - TLIF0020 - Safely access the rail corridor
- Minimum Cat 3 – Rail Industry medical assessment
- Metro Introduction to Rail Safety (MIRS) ELEARNING ONLY (EL152 )
- MTS Electrical Safety Awareness (ELEARNING ONLY) (EL151)

### See 4.4.1 Substation Access table 3

- MTS Substation Access E-learning (EL94)
- MTS Substation Access face to face Training and Assessment

MTS Substation Access is a prerequisite to MTS Permit Holder (Unrestricted)

## Additional Information

[MTS Substation Access Training E-Learning and Face-to-Face \(EL94\) : Rail Industry Worker Business Rules](#)

## MTS ESR for Authorised Electrical Worker Roles

### Course Relationship / Progression

