Sydney Metro Safeworking Matrix

Note:

- For all access, track, civil, electrical and signalling competencies refer to the National Matrices on the Rail Industry Worker website (riw.net.au).

- In addition to the National Matrices all workers within the rail corridor will require 'Around The Track Personnel (Construction/Maintenance) - National' and job roles or inductions specific to the rail site being worked on. By example, the inductions in blue are specific to the Sydney Metro West Linewide Project.

- Safeworking roles defined with <bracketed text> are site or task dependant roles that will be assigned. An example of a <site specific role> is the Sydney Metro West - Linewide role.

	Task Specific							Site Specific		
Safeworking Roles	TfNSW - Handsignaller Level 2	TfNSW - Track Protection Officer Level 2	TfNSW - Track Protection Officer Level 4	TfNSW - Safeworking Officer Level 1	Around The Track Personnel (Construction/ Maintenance) (National)	TfNSW - Operator (Network)	TfNSW – Non-Rail Operator	<Site Specific Role>	MTS - Operator (Network)	Sydney Metro West - Linewide
Minimum Competencies, Medical and Induction Requirements										
Rail Safety Worker Determination	Y	Y	Y	Y	Y	Y	N	N	Y	Y
Health Risk Medical Requirements for Rail Safety Workers										
Category 1	M	M	M	M						
Category 2										
Category 3*					M	M			M	M
Induction into Project, Construction and Rail Corridor										
Construction Induction (White Card) (National)					M		M			M
Safely Access the Rail Corridor (SARC) (National)*					M	M			M	M
Sydney Metro Orientation Training (SMOT) (ELEARNING ONLY) (82009 or EL82009a) (Network)								M		
Site-Specific Project Site Induction/ Orientation (To be determined for Mwest Linewide)								M		
Working Safely on the Sydney Metro Network (ELEARNING ONLY) (EL441)										M
MTS - Metro Introduction to Rail Safety (MIRS) (EL151) (National)									M	
MTS - Electrical Safety Awareness (MESA) (EL152) (National)									M	
MTS - Network Induction (E-Learning) EL175 (National)									M	
MTS - Southwest Contractor Awareness (ELEARNING ONLY) EL500 (National)									M	
Certification / Qualification										
Engineering Handsignaller Level 1*	M									
Engineering Handsignaller Level 2*	M									
Safeworking Officer Level 1*				M						
Track Protection Officer Level 1*		M	M							
Track Protection Officer Level 2*		M	M							
Track Protection Officer Level 3*			M							
Track Protection Officer Level 4*			M							
Competency Units										
C102 - Operate under Track Protection Rules Level 1	M									
C103 - Operate Under Track Protection Rules Level 2	M									
C104 - Perform customer service in the Rail Corridor										
C105 - Control rail traffic movements Level 1										
C106 - Control rail traffic movements Level 2										
C107 - Perform rail operations Level 1				M						
C108 - Perform rail operations Level 2				M						
C109 - Perform rail operations Level 3				M						
C110 - Perform rail operations Level 4										
C111 - Conduct shunting and marshalling operations										
C112 - Coordinate and manage track protection		M	M	M						
C112A - Implement LW (Lookout Working)		M	M	M						
C112B - Implement ASB (Absolute Signal Blocking)		M	M	M						
C112C - Implement TOA (Track Occupancy Authority)		M	M							
C112D - Implement TWA (Track Work Authority)			M							
C112E - Implement LPA (Local Possession Authority)			M							
C112F - Implement Operate Track Warning System (OTWS)		M	M							
C112G - Signal key switches	M	M	M							

M Mandatory Requirements

*Certification / Qualification Refer to TfNSW Safeworking Certification Matrix (2025. 'Network Rules and Network Procedures Certification Standard', Rail Safe, v9.2, p27) for certification codes.
*SARC (National unit of competency). Rail operators have specific access requirements, therefore if you obtained this unit of competence from a training provider not endorsed by the rail operator you may require further training.
* Catergory 3 Medical is the mininum competency requirement for performing rail safety work.

Sydney Metro Safeworking Matrix

Purpose

This Safeworking Matrix is adapted from Transport for New South Wales (TfNSW) Safeworking Certification Matrix (2025. 'Network Rules and Network Procedures Certification Standard', Rail Safe, v9.2, p27). The matrix has been adapted to only include the safeworking roles and applicable competency requirements that are relevant to Sydney Metro's Rail Infrastracture Manager (RIM) accredtitation.

Instructions

1. This document is to be used as a tool to assist with identifying the competencies required for a safeworking role under Sydney Metro's RIM accreditation.
2. The matrix reflects safeworking roles horizontally across the matrix, mapped to the applicable units of competencies, medical and site requirements which are listed vertically.
3. For TfNSW roles, refer to Network Rules and Network Procedures Certification Standard
4. For further information on application of this Safeworking Matrix, please refer to SM-22-00456703 Rail Safety Worker Competence Management Procedure.

Notes

Safeworking Matrix	
Maintained by	Director, Health and Safety Technical (Accountable)
Reviewed by	Sydney Metro Senior Manager, Rail Safety (Responsible) Sydney Metro Health & Safety Team (Consulted)
	Sydney Metro Delivery Partners (Informed)
Triggered by	Matrix to be completed when assessing/verifying RSW competencies