M METRO

Signalling, Control Systems and Communications Matrix, Version 8, Dec 2024
(This matrix directly relates to A1205 Signals Rail Safety Worker Competence Manual)

Roles & Classifications	Constructor					Maintainer					CS&C					Project		SME				Signal Assessor
(Unit code and descriptor)	Signal Construction Senior Engineer	Signal Construction Engineer	Signal Construction Supervisor / Team Leader	Signal Constructor	Signal Assistant Constructor	Signal Senior Maintenance Engineer	Signal Maintenance Engineer	Signal Maintenance Supervisor / Team Leader	Signal Maintainer	Signal Assistant Maintainer	Control Systems & Comms Senior Engineer	Control Systems & Comms Engineer	Control Systems & Comms Technician	Control Systems & Comms Assistant Technician	OCS Technical Officer	Signal Project Manager	Signal Project Engineer	Subject Matter Expert (SME)-Signal Construct	Subject Matter Expert (SME)-Signal Maintain	Subject Matter Expert (SME)-C-S&C	Subject Matter Expert (SME)-Signal Project	Signal Assessor
Rail Safety Worker (Y/N)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

Training and Evidence Requirements (1) (2) (3)

	Const Sr Eng	Const Eng	Const Sup/TL	Constructor	Asst Constructor	Sr Maint Eng	Maint Eng	Maint Sup/TL	Maintainer	Asst Maintainer	CS&C Sr Eng	CS&C Eng	CS&C Tech	CS&C Asst Tech	OCS Tech Officer	Proj Manager	Proj Engineer	SME-S Construct	SME-S Maintain	SME-C-S&C	SME-S Project	Signal Assessor
SoC Form Number (L4-LED-FOR-0XX - with XX being the number in the matrix) (4)	62	63	64	65	N/A	07	66	67	68	N/A	70	61	71	N/A	N/A	77	78	N/A	N/A	N/A	N/A	N/A
Completed self-assessed SoC (5)	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R					
Completed request for assessment form A1753 (5)	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R					
Completed assessment Checklist L4-CHE-FOR-0XX (0XX for the classification) (5)	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R					
Formal training evidence (6)					1M					1M				1M								
Certificate III - Electrotechnology Electrician or Electronic Trade (7)			1M	1M	1M				1M				1M	1M								
Certificate III in Relevant Field (8)			1M	1M	1M				1M													
Certificate IV Rail Signalling (9)			1M	1M	1M			M	M				1M	1M								
Certificate IV in Relevant Field (8)			1M	1M	1M				1M				1M	1M								
Diploma / Graduate Diploma / Graduate Certificate - Railway Signalling Systems			1M	1M	1M								1M			1M	1M					
Diploma / Graduate Diploma / Advanced Diploma in Relevant Field (8)			1M	1M	1M								1M			1M	1M	1M	1M			
More than 10 years' experience must be a MIRSE OR hold a current and relevant IRSE Licence (10)	1M	1M				1M	1M				1M	1M										
Must hold a minimum membership grade of AMIRSE within the IRSE																		M	M			
Bachelor of Engineering (Science, Electrical, Mechanical or Information Technology)	1M	1M				1M	1M				1M	1M				1M	1M					
Metro Signal Standards Induction (11)	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M			
Resume / Curriculum Vitae (CV)	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
Work Experience Record (WER) / Logbook	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
Assessed SOC specific for the Role	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M					
CERT IV TAE - Assessor Units (12)																						M
Metro Signals Letter of Authorisation for the Role - SME (13)																		M	M	M	M	
Metro Signals Letter of Authorisation for the Role - Assessor (13)																						M
Associate Diploma in Electronics															M							
Cabler Registration (14)															M							
Private Security Individual Registration (15)															M							
Indicative years of relevant industry experience for those RSW's with formal qualifications. (Note. This may include on the job training)	10	5	5	3	<3	10	5	5	3	<3	10	5	3	<3	N/A	5	5	N/A	N/A	N/A	N/A	N/A

National / Network Job Roles that must be added to a RIW Cardholders Profile

	Const Sr Eng	Const Eng	Const Sup/TL	Constructor	Asst Constructor	Sr Maint Eng	Maint Eng	Maint Sup/TL	Maintainer	Asst Maintainer	CS&C Sr Eng	CS&C Eng	CS&C Tech	CS&C Asst Tech	OCS Tech Officer	Proj Manager	Proj Engineer	SME-S Construct	SME-S Maintain	SME-C-S&C	SME-S Project	Signal Assessor
MTM - Operator (2)	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
Around The Track Personnel (Construction and Maintenance) (2)	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M

Matrix Code:
M Mandatory
1M Mandatory to hold at least one of the indicated options
R Required to be sent to the assessor as part of the assessment process. May be uploaded into RIW, but is not linked to job role - Standalone competency

Notes:
(1) - If a unit code or title that you hold differs slightly to that listed on the matrix please contact competencies@metrotrains.com.au for clarification.
(2) - Any RSW on this matrix entering or working within MTM's rail corridor will need to select the 'Around The Track Personnel (Construction and Maintenance)' role and the 'MTM Operator' role and be compliant with these competency requirements before entering the corridor.
   Similarly, RSW's working remotely and not entering or working in MTM's rail corridor, like Signalling Designers, do not need to hold these roles.
(3) - Performing certain tasks within the Constructor / Maintainer / CS&C roles may require a RSW to hold a licence through Energysafe Victoria. A RSW holding a licence shall upload it to their RIW profile, however it is not linked to a job role. Evidence of a licence may be requested on site, based on the task being performed. Refer to energysafe.vic.gov.au for licence details.
(4) - Refer to A1205 or www.metrotrains.com.au/academy for all signal competency forms, supporting documentation, MTM updates and competency information.
(5) - Refer A1205 Section 8 for further clarification.
(6) - This role supports RSW's who have commenced formal training in a course listed in this matrix, but are yet to complete it. RSW's wishing to comply with any of these Assistant Roles must upload evidence from the Registered Training Organisation where they are enrolled, that demonstrates formal training has commenced.
(7) - A person holding an Electrician's (A Grade) Licence is considered to satisfy this unit of competency, as a Licence holder has obtained an acceptable Certificate III qualification (or equivalent). Refer to Energysafe Victoria Licensing guidelines.
(8) - Qualification from a Relevant Field must demonstrate that a RSW has received sufficient training in, and/or has sufficient understanding of, the core units associated with the preferred listed qualifications, relevant to the work tasks being performed. It may also include non-current / superseded courses that can be mapped to the current qualification. Refer to training.gov.au for mapping to contemporary qualifications. Where equivalence is not achieved, the gap shall be met by either demonstration of additional training, or Work Experience Record / Training Log.
(9) - The following non-current courses may be acceptable for renewal applications: 21730VIC Cert IV in Rail and Tram signal systems, UTE40499 Cert IV in Electro technology – Computer Systems (Spec in Control) and PTC Signal Maintenance Technician Course (certificate). For new applications, acceptance by MTM Head of Engineering - Signalling is required for use of the non-current courses listed.
(10) - Accepted on a case-by-case basis by MTM Head of Engineering - Signalling (or delegate). Evidence of acceptance in the form of a Letter of Authorisation shall be uploaded to RIW profile.
(11) - MTM Standards Induction questions are available from the Metro Academy Website: metrotrains.com.au/metro-academy/riw-information/statement-of-competencies/
(12) - Refer to A1205 Section 26 for further clarification on additional requirements of current and domain knowledge, before the Role can be applied for within RIW System and approved by MTM Head of Engineering - Signalling.
(13) - The Metro Letter of Authorisation/ Qualification Equivalence Certificate for the role can only be issued by MTM Head of Engineering - Signalling (or delegate) after the RSW required evidence has been uploaded into the RIW System.
(14) - Competencies must be obtained for Structured Cabling, Optical Fibre, Coaxial, Underground, & Aerial per ACMA requirements.
(15) - Victoria Police issued Private Security Licence or Registration is required by anyone who installs / advises on security matters. For MTM this covers anyone who installs / maintains or advises on security systems, CCTV system, access control systems. Licence / Registration to be uploaded to the RIW Profile.