Appendix 1. Signals Rail Safety Worker Competence, Signalling, Control Systems and Communications Roles Matrix, Version 7.2, September 2021

(This Matrix directly relates to L1-CHE-MAN-003 SIGNALS RAIL SAFETY WORKER COMPETENCE Version 3 February 2018)

National Unit Of Competency (Unit code and descriptor) and other Essential Education, Training and Evidence Requirements / Classifications	Signal Principles Design Engineer	Signal Senior Design Engineer	Signal Design Engineer	Signal Designer	Signal Assistant Designer	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	Signal Principles Test Engineer	Signal Senior Test Engineer	Signal Test Engineer	Signal Tester	Signal Assistant Tester	Control Systems & Comms Senior Engineer	Control Systems & Comms Engineer	Control Systems & Comms Technician	Control Systems & Comms Assistant Technician	Signal Project Manager	Signal Project Engineer	Signal Tester In charge (12)	OCS Technical Officer	Mentor	Subject Matter Expert(SME)-Signal Design	Subject Matter Expert(SME)-Signal Construct	Subject Matter Expert(SME)-Signal Maintain	Subject Matter Expert(SME)-Signal Test	Subject Matter Expert(SME)-C.S&C	Subject Matter Expert(SME)-Signal Project	Signal Assessor
	Design Role					Construct Role					Maintain Role					Test Role					Control Systems / Comms Role				Project Role		TIC	C.S&C	Mentor	Subject Matter Expert (SME)						NA
SoC Form Number (L4-LED-FOR-XXX - with XXX being the number in the matrix) (3)	005	072	055	056	057	062	063	064	065	060	007	066	067	068	069	006	073	053	008	054	070	061	071	059	077	078	006/007/008/053/061/066/067/070	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Completion of Self Assessed SoC (5)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X									
Completed request for assessment form L4-CHE-FOR-073	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X								
Completed assessment Checklist L4-CHE-FOR-XXX (XXX for the classification)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X								
Formal training evidence (7)					*					*					*					*				*											
Certificate III - Electro technology Electrician UEE30807 or Electrical Trade (6)								~	~				~	~		~	~	~	~			~	~	~											
Certificate III in Relevant Field (i.e.. Construction, Mechanical or Mechanical Trade)								*	*	*			~	~	*																				
Electrician's Licence (6)								~	~				~	~		~	~	~	~			~	~	~											
Certificate IV Electrical - Rail Signalling				*	*			*	*	*			X	X	*				*	*			*	*											
Certificate IV in Relevant Field (8)				*	*			*	*	*					*				*	*			*	*											
Graduate Certificate - Rail Signalling & Telecommunications				*	*			*	*	*					*				*	*			*	*											
Diploma/Graduate Diploma/Advanced Diploma in Relevant Field				*	*			*	*	*					*				*	*			*	*	*	*									
More than 10 years experience must be a MIRSE OR hold a current and relevant IRSE Licence (18)	*	*	*			*	*				*	*				*	*	*			*	*													
Must hold a minimum membership grade of AMIRSE within the IRSE																									X	X									
Bachelor of Engineering (Science, Electrical, Mechanical or Information Technology)	*	*	*			*	*				*	*				*	*	*			*	*			*	*									
Metro Signal Standards Induction in the specific 'Role' (13)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X									
Signal Tester In Charge (1) (12)											~	~	~			~	~	~	~		~	~					X								
Resume / Curriculum Vitae (CV)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
Work Experience Record (WER) / Log Book	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X
Assessed SOC specific for the Role	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X							
Assessed SOC Signal Construct																															X					
Assessed SOC Signal Design																														X						
Assessed SOC Signal Maintain																																X				
Assessed SOC Signal Test																																	X			
Assessed SOC Control Systems and Comms																																		X		
Assessed SOC Signal Project																																			X	
CERT IV TAE - Assessor Units (4)																																				X
Metro Signals Letter of Authorisation for the Role -TIC																											X (2)									
Metro Signals Letter of Authorisation for the Role -SME																														X (2)	X (2)	X (2)	X (2)	X (2)	X (2)	
Metro Signals Letter of Authorisation for the Role -Mentor																													X (2)							
Metro Signals Letter of Authorisation for the Role - Assessor																																				X (2)
Associate Diploma in Electronics																												X								
Cabler Registration (10)																												X								
Private Security Individual Registration (11)																												X								
Roles	Design Role					Construction Role					Maintenance Role					Test Role					Control Systems / Comms Role				Project Role		TIC	C.S&C	Mentor	Subject Matter Expert (SME)						NA
Indicative years of relevant industry experience for those RSW's with formal qualifications. (Note. This may include on the job training)	10	10	5	3	<3	10	5	5	3	<3	10	5	5	3	<3	10	10	5	3	<3	10	5	3	<3	5	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Notes:

(1) Refer Signals RSW Competence procedure section 6.11 , In addition if you are assessed against the TIC and SME requirement the SoC must also be uploaded into this area within Onsite.

(2) The Metro Letter of Authorisation/ Qualification Equivalence Certificate for the role can only be issued by Metro Head of Engineering-Signals after the RSW required evidence has been loaded within Onsite

(3) Refer www.metrotrains.com.au/academy for all signal competency forms, supporting documentation, Metro updates and competency information.

(4) Refer Signals RSW Competence procedure section 16.7 for further clarification and the three units of competence required and additional requirements of current and domain knowledge, before the Role can be applied for within Onsite, and approved by MTM Head of Engineering-Signalling.

(5) Refer Signals RSW Competence Procedure section 16.3 - Process Flow - Step 2 for further clarification.

(6) Required where ESV regulations apply.

(7) This role now supports RSW's who have commenced formal training 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.

(8) The following will be acceptable equivalents, UEE41211 Cert IV in Electrical – Rail Signalling, 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).

(9) 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.

(10) Competencies must be obtained for Structured Cabling, Optical Fibre, Coaxial, Underground, & Aerial per ACMA requirements.

(11) Victoria Police issued registration, required by anyone who installs or advises on security matters, for MTM this covers anyone who installs / maintains or advises on security systems, CCTV system, access control systems. A police check is required to obtain this registration.

(12) Signal TIC must have a proficiency level of 3 in the "test "section of the test SoC, and minimum level 2 in all other areas of the assessed test SOC and must be signed by SME & Assessor & the applicant, and the Role then applied for within onsite,and approved by MTM Head of Engineering-Signalling

(13) Metro Signals Standards induction shall be specific to the RSW "Role". All Metro Signal Standards Induction questions are available from a Metro endorsed signal assessor or available from the Metro Academy website.

General Notes.

(14). Any RSW on this matrix entering or working within Metro's rail corridor will need to select the 'Around The Track Person' role and the 'Metro Operator' role and be compliant with these competency requirements before entering the corridor.

(15). For engineering and other qualifications gained other than in Australia, it is the responsibility of the RSW to obtain acceptance by an Engineering Body that the qualifications are acceptable for use within Australia (Engineers Australia or other)

(16) RSW's that are not working within the Mero rail corridor do not require the roles of 'Around The Track Person' role or the 'Metro Operator'

(17) Checklists for Roles (L4-CHE-FOR-XXX-with XXX being the number for the role) must be completed and retained by the RSW & the Assessor - for auditing purposes by Metro when required.

(18) Accepted on a case by case basis by MTM Head of Engineering-Signalling

Matrix Codes

X Mandatory - Refer '*' or '~' for options and conditional requirements

* One of these options must be provided as required in the column

~ Conditional - based on the type of work being undertaken

X Mandatory - and only becomes mandatory from 01/02/2023 and up until that date it shall be listed as optional