

**Signalling, Control Systems & Communications, Version 5, May 2017**

National Unit Of Competency (Unit code and descriptor) and other Essential Education, Training and Evidence Requirements	Signal Principles (005) / Senior Design Engineer (072)	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 / 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	Tester In charge (12)	OCS Technical Officer	Signals Assessor	
	005/072	055	056	057	062	063	064	065	060	007	066	067	068	069	006	053	008	054	070	061	071	059	006/007/008/053/061/066/067/070	N/A	N/A	
SoC Form Number (L4-LED-FOR-XXX - with XXX being the number in the matrix) (3)																										
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				
Formal training evidence (7)				*					*					*				*				*				
Signals.Course.MTM Safety Leadership	X				X		X			X		X			X	X	X		X							
Certificate III - Electrotechnology 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 (2)	*	*			*	*				*	*				*	*			*	*						
Bachelor of Engineering (Science, Electrical, Mechanical or Information Technology)	*	*			*	*				*	*				*	*			*	*						
Standards Induction (VRIOG) in the specific 'Role'	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
MTM S2 Signal Power Training					~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~				
Tester In Charge (1) (12)																							X			
Resume / CV	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 / 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	
Assessed SOC for Role	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
CERT IV TAE - Assessor Units (4)																									X	
MTM Signals Assessor Authorisation																									X	
MTM TIC Authorisation																										
Associate Diploma in Electronics																									X	
Cabler Registration (10)																									X	
Private Security Individual Registration (11)																									X	
<b>Role</b>	<b>Design</b>				<b>Construction</b>				<b>Maintenance</b>				<b>Test</b>				<b>Control Systems / Comms</b>									
<b>Indicative years of relevant industry experience for those RSW's with formal qualifications. (This may include on the job training)</b>	10	5	3	<3	10	5	5	3	<3	10	5	5	3	<3	10	5	3	<3	10	5	3	<3				

**Notes:**

- Refer Signals RSW Competence procedure paragraph 2.3 for further clarification on this requirement. In addition if you are assessed against the TIC requirement the SoC must also be uploaded into this area within Onsite.
- Accepted on a case by case bases. Refer Signals RSW Competence procedure paragraph 2.3 note 1 for further clarification on this requirement.
- Refer [www.metrotrains.com.au/academy](http://www.metrotrains.com.au/academy) for all SoC forms.
- Refer Signals RSW Competence procedure Appendix 8.6 for further clarification.
- Refer Signals RSW Competence Procedure Appendix 8.3 - Process Flow - Step 2 for further clarification.
- Required where ESV regulations apply.
- 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.
- 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 Electrotechnology – Computer Systems (Spec in Control) and PTC Signal Maintenance Technician Course (certificate).
- If a unit code or title that you hold differs slightly to that listed on the Matrix please contact [Competencies@metrotrains.com.au](mailto:Competencies@metrotrains.com.au) for clarification.
- Competencies must be obtained for Structured Cabling, Optical Fibre, Coaxial, Underground, & Aerial per ACMA requirements.
- 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.
- TIC must have a proficiency level of 2 or more marked on the SOC and must be signed by a SME & Assessor & the applicant

**General Note.**

- 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 MTM Operator role and be compliant with these competency requirements before entering the corridor.

**Matrix Code**  
 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