



National Signalling – Maintenance Matrix

October 2025 V2

		National Roles/Functions						
		Signalling Electrician (Maintenance)	Signalling Technician	Signalling Electrician (Installer)	Signalling Electrician (in training)	Signalling Field Engineer (Pathway 1)	Signalling Field Engineer (Pathway 2)	Signalling Maintainer (Mechanical)
Requirements	National Requirements							
Medical	Railway Medical Categories (1 or 2 or 3)	M (Cat 1)	M (Cat 1)	M (Cat 1)	M (Cat 1)	#	#	#
Access	Safely Access the Rail Corridor - TLIF2080/TLIF0020	M	M	M	M	#	#	#
	Work Safely in the Construction Industry - CPCOHS1001	M	M	M	M	#	#	#
Qualifications	Master of Signalling and Telecommunications		1M			1M		
	Master/Bachelor of Engineering (Electrical)		1M			1M		
	Master/Bachelor of Engineering (Information Technology)		1M			1M		
	Master/Bachelor of Engineering (Mechanical)		1M			1M		
	Master/Bachelor of Engineering (Mechatronics)		1M			1M		
	Master/Bachelor of Engineering (Science)		1M			1M		
	Master/Bachelor of Engineering (Telecommunications)		1M			1M		
	Master/Bachelor of Technology		1M			1M		
	Graduate Diploma of Signalling and Telecommunications <i>(See Note 1)</i>		1M			1M		
	Graduate Certificate in Signalling and Telecommunications <i>(See Note 1)</i>		1M			1M		
	Graduate Diploma of Railway Signalling <i>(See Note 1)</i>		1M			1M		
	Graduate Certificate in Railway Signalling <i>(See Note 1)</i>		1M			1M		
	10780NAT – Graduate Diploma in Rail Signalling		1M				1M	
	22593VIC – Graduate Diploma of Railway Signalling		1M				1M	
	22596VIC – Graduate Certificate in Railway Signalling		1M				1M	
	UEE62220 – Advanced Diploma of Electrical – Engineering		1M				1M	
	52726WA – Advanced Diploma of Applied Electrical Engineering		1M				1M	
	UEE63020 – Advanced Diploma of Electrical Systems Engineering		1M				1M	
	UET60222 – Advanced Diploma of ESI - Power Systems		1M				1M	
	UEE62111 – Advanced Diploma of Engineering Technology - Electrical		1M				1M	
	UEE50420 – Diploma of Electrical Engineering		1M				1M	
	UEE53020 – Diploma of Electrical Systems Engineering		1M				1M	
	UET50221 – Diploma of ESI – Power Systems		1M				1M	
	Cert IV in Relevant Field <i>(See Note 2)</i>		1M				1M	
	UEE41223 – Cert IV in Electrical – Rail Signalling	M	1M				1M	
	UEE30820 – Cert III in Electrotechnology Electrician		1M	M				
	UEE33020 – Certificate III in Electrical Fitting		1M					
	TLI31921 – Certificate III in Mechanical Rail Signalling							1M
	Formal training evidence <i>(See Note 3)</i>				1M			



National Signalling – Maintenance Matrix

October 2025 V2

		National Roles/Functions						
		Signalling Electrician (Maintenance)	Signalling Technician	Signalling Electrician (Installer)	Signalling Electrician (in training)	Signalling Field Engineer (Pathway 1)	Signalling Field Engineer (Pathway 2)	Signalling Maintainer (Mechanical)
Requirements	National Requirements							
IRSE	MIRSE or FIRSE (See Note 4)					1M		
Unit of Competency	Assemble and wire internal electrical rail signalling equipment			M				
	Install and maintain rail track circuit leads and bonds			M				
	Test copper rail signalling cables			M				
	Repair rail signalling power and control cables			M				
Statement of Competence	Signalling Maintenance SoC	M	M	M				
Logbook	Logbook	M	M	M		M	M	M

Notes.
(1) Graduate Diploma and Graduate Certificate courses registered in the Higher Education Sector do not have a course code like their equivalent qualification registered in the VET Sector. These Higher Education Qualifications are managed via the Tertiary Qualification Business Rule used for Bachelor and Master Degrees.
(2) The following are acceptable equivalents: 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).
(3) This role now supports RSW's who have commenced formal AQF training but are yet to complete it. RSW's wishing to comply with any of these Assistant Roles shall upload evidence from the Registered Training Organisation where they are enrolled that demonstrates formal training has commenced. Refer to National Business Rules for evidence that satisfies this note. ¹
(4) MIRSE and FIRSE process involves a process of validating both, qualifications and experience - refer https://www.irse.org/Membership/Membership-Options .
M = Mandatory
1M = At least one of the items is mandatory
A Network Operator role (including a medical) will be required if entering the rail corridor