

Current Requirements		Rail Industry Worker Role					All ARTC Signalling roles require recertification every 4 years								
		Signal Electrician /Maintainer	Signal Installer/ Tester	Signal Installer	Signal Mechanical Maintenance/ Construction	Signals Trades /Assistants	Senior Signal Engineer (Design, Field, Construction)	Signal Design Engineer	Signal Designer	Assistant Signal Designer	Signal Project Engineer	Signal Project Manager	Signal Engineer Maintenance /Construction	Signal Engineer Maintenance /Construction Pathway 1	Assistant Signal Engineer Maintenance /Construction
		(Note 1,5 & 6)	(Note 1 & 5)	(Note 5)	(Note 5)	(Note 5 & 6)	(Note 4,5 & 7)	(Note 4,5 & 7)	(Note 4,5 & 7)	(Note 5)	(Note 4,5 & 7)	(Note 3,4,5, & 7)	(Note 4,5 & 7)	(Note 4,3,5 & 7)	(Note 5)
R1	Electrical Licence (Note 1)	✘	✘												
R2	Certificate III in Mechanical Rail Signalling or equivalent				✘										
R3	Certificate IV in Electrical Rail Signalling or equivalent	✘	✘											✘	
R4	Bachelor of Engineering Degree (Electrical, Electronics and Communication, Mechatronics, Software, Computer Systems, Communications)						✘	✘			✘		✘		
R5	One from below: Graduate Diploma of Railway Signalling or equivalent Advanced/Diploma of Electrical Engineering or equivalent Advanced/Diploma of Electrical Systems Engineering or equivalent Advanced/Diploma of ESI Power Systems or equivalent						✘				✘			✘	
R6	One from below: Graduate Diploma of Railway Signalling or equivalent Bachelor/Advanced/Diploma of Electrical Engineering or equivalent Bachelor/Advanced/Diploma of Electrical Systems Engineering or equivalent Advanced/Diploma of ESI Power Systems or equivalent Certificate IV in Electrical Rail Signalling or equivalent														✘
R7	One from below: Graduate Diploma of Railway Signalling or equivalent Bachelor/Advanced/Diploma of Electrical Engineering or equivalent Bachelor/Advanced/Diploma of Electrical Systems Engineering or equivalent Advanced/Diploma of ESI Power Systems or equivalent Certificate IV in Electrical Rail Signalling or equivalent IRSE Designer Licence/ IRSE Design Verifier Licence								✘	✘					
R8	Certificate III (or equivalent) in Electrical or Electronics & Communications OR All of the below: UEERS0021 Assemble and wire electrical rail signalling equipment or equivalent UEERS0024 Install and maintain rail track circuit leads and bonds or equivalent UEERS0037 Test copper rail signalling cables or equivalent			✘											
ST144 ARTC Signal Safeworking Course		✘	✘				✘						✘	✘	✘
ST144 – M ARTC Signal Safeworking Course					✘										
ARTC Signals Standard Induction (eLearning) (Note 2)		✘	✘	✘	✘	✘	✘	✘	✘	✘	✘	✘	✘	✘	✘
ARTC Electrical Safety Induction (eLearning) (Note 2)		✘	✘	✘		✘	✘					✘	✘	✘	
Work in Live Locations				✘	✘	✘					✘	✘	✘		✘
Approved SOC for Role		✘	✘	✘	✘	✘	✘	✘	✘	✘	✘	✘	✘	✘	✘
Work Experience Records		✘	✘	✘	✘		✘	✘	✘	✘	✘	✘	✘	✘	✘
5 Years (Note 7)							✘								
3 Years (Note 7)								✘	✘		✘	✘	✘	✘	

**Notes:**

- 1. The Electrician's License is required in accordance with state (or federal) legislation to work on electrical wiring which includes signalling infrastructure
- 2. ARTC E-learning is available on [ARTC's Learning Management System](#)
- 3. Prerequisite for Signal Project manager role is a Project Management role from the [ARTC Project Management matrix](#)
- 4. Engineers to ensure they have required state engineering registration as required by their works
- 5. All the roles have specific additional technical requirements in the [Statement of Competency \(SOC\)](#). Refer to the specific [SOC](#) for details
- 6. For Electrician Trade competencies refer to [National Trade & Services Matrix](#)
- 7. Experience must be relevant for the RIW role being applied for

For further information refer to ARTC Standard - [ESP-20-01 Signals Rail Safety Worker Competence Procedure](#).