

ARTC Track and Civil Matrix

Version V10.1



Rail Industry Worker Role

Current National Unit of Competency	Recertification/ Certificate of Currency	Rail Industry Worker Role								
		Track Examiner & Certifier (Note 5, 6)	Rail Welder Aluminothermic (Note 5,7,8)	Rail Welder Electric (Note 5,9)	Rail Welder Flashbutt (Note 5,10)	Ultrasonic Tester (Note 3,5,11)	Person in Charge of Stressing (Note 2)	Temporary Track Support Installer	Fence Installer and Maintainer	Resurfacing Track Measurer
TLIF0020 Safely access the rail corridor							x	x	x	x
CPCWHS1001 Prepare to work safely in the construction industry							x	x	x	x
TLIB3094 Check and repair track geometry	Every 2 years	x								
TLIB3099 Examine track infrastructure	Every 2 years	x								
TLIB3100 Visually inspect track infrastructure	Every 2 years	x								
TLIS3010 Test rail using ultrasonic equipment	Every 5 years					x				
TLIS3011 Test rail using non-destructive testing equipment	Every 5 years					x				
ETM-06-10 ARTC Rail Stress Workshop							x			
TLIB3102 Adjust rail							x			
TLIW2012 Grind rails	Every 2 years		x	x	x					
TLIW3015 Weld rail using aluminothermic welding process	Every 2 years		x							
TLIW0008 Weld rail using flashbutt welding process	Every 2 years				x					
TLIW0006 Heat & cut materials using oxy-LPG equipment for rail industry	Every 2 years		x	x						
TLIW0036 Apply electric welding process to rail	Every 2 years			x						
TLIB0012 Maintain and use hand tools								x	x	x
TLID0020 Shift materials safely using manual handling methods								x	x	x
TLIE1003 Participate in basic workplace communication								x	x	x
TLIF0025 Follow work health and safety procedures								x	x	x
TLIF2010 Apply fatigue management strategies								x	x	x
TLIF2062 Apply awareness of safeworking rules and regulations								x	x	x
TLIU2008 Apply environmental procedures to rail Infrastructure								x	x	x
TLIB2091 Measure and record track geometry										x
TLIS2033 Install and repair temporary track supports								x		
TLIS2035 Install and repair fences and gates									x	

Notes:

1. All Contractors and Employees are to complete the ARTC Electrical Safety Induction if working in Electrified areas
2. For the PICS role ETM-06-10/ ETW-01-05 Workshop needs to be undertaken with unit TLIB3102
3. Certificate for Level 2 weld inspection issued in accordance with ISO 9712 by ICNDT mutual recognition member or American Society for Non-Destructive Testing SNT-TC-1A 2001 is accepted instead of TLIS3010 and TLIS3011 units
4. For Turnout Constructor and Track Constructor competencies refer to [National Track and Civil Matrix](#)
5. ARTC Infrastructure Maintainer Employees only; must comply with State based Bluebook competency frameworks
6. Contractors; prerequisite for Track Examiner & Certifier is National Track Examiner and National Track Certifier Role
7. Contractors; prerequisite for Rail welder Aluminothermic is National Rail welder Aluminothermic Role
8. ARTC Employees only: refer ETT-00-01 for an alternate re-certification process for Rail Welder Aluminothermic (AT) Role
9. Contractor; prerequisite for Rail Welder Electric is National Rail welder (Electric)
10. Contractor; prerequisite for Rail welder Flashbutt is National Rail welder Flashbutt Role
11. Contractor; prerequisite for Ultrasonic Tester is National Ultrasonic Tester Track Role