Track and Civil Matrix
Version 8 May 2017

See Important NOTES below

Rail Industry Work Role	Track Examiner (Currency)	Track Certifier (Currency)	Rail Welder (Currency)	Rail Adjuster (Currency)	Ultrasonic Tester Track (Currency)	Ultrasonic Tester Turnouts (Currency)	Turnout Constructor (Currency)	Track Constructor (Currency)	Temporary Track Support Installer	Fence Installer and maintainer	Resurfacing – Track Measurer	Recertification	Older Units of Competency accepted from previous qualifications
TLIB1028 Maintain and use hand tools	Check National Roles for full list of role competency requirements								X	X	X		TDTB2801A Maintain and use hand tools TDTB2901A Use and maintain minor mechanical equipment TDTRB1298A Use and maintain minor mechanical equipment TDTRB1198A Maintain and use basic hand tools TLIB2907B Use and maintain minor mechanical equipment TLIB2029A Use and maintain minor mechanical equipment TLIB2029B Use and maintain minor mechanical equipment TLIB2092A Operate minor mechanical equipment TLIB2807B Maintain and use hand tools BCCCM2002A Use small plant and equipment
TLID1001 Shift materials safely using manual handling methods									X	X	X		TDTD197A Shift materials safely TDTD197B Shift materials safely using manual handling methods TDTD297A Use manual handling equipment TLID107C Shift materials safely using manual handling methods
TLIE1003 Participate in basic workplace communication									X	X	X		TDTE397A Participate in workplace communication TDTE397B Participate in basic workplace communication TLIE307C Participate in basic workplace communications BCCCM1002B Conduct workplace communication
TLIF1001 Follow occupational health and safety procedures									X	X	X		TDTF197A Follow occupational health and safety procedures TDTF197B Follow occupational health and safety procedures TDTF397B Implement and monitor OHS procedures TLIF3087A – Follow occupational health, safety and environmental procedures in the rail industry TLIF107C Follow occupational health and safety procedures BCCCM1001C Follow OH&S policies and procedures
TLIF2010 Apply fatigue management strategies									X	X	X		TDTF1097A Apply fatigue management strategies TDTF1097B Apply fatigue management strategies TLIF1007C Apply fatigue management strategies
TLIF2062 Apply awareness of safeworking rules and regulations									X	X	X		TDTW101A Operate under track protection rules TLIF6207A Apply awareness of safeworking rules and regulations TLIF3058A Apply safeworking rules and regulations to rail functions TLIW2001A Operate under track protection rules TLIF5807B Apply safeworking rules and regulations to rail operations Note:Higher level safeworking certification may be acceptable eg PO1
TLIF2080 Safely access the rail corridor									X	X	X		TLIF2080A Safely access the rail corridor TLIF2080B Safely access the rail corridor Other competencies as per HR08-003 ARTC Business Rules Handbook
CPCCOHS1001A Work safely in the construction industry									X	X	X		State based construction industry induction card
TLIU2008 Apply environmental procedures to rail Infrastructure									X	X	X		TDTU701A Care for the environment TDTF1197A Care for the environment TLIU1009A Monitor plant and equipment in an environmentally sustainable way TLIU809A Apply environmental procedures to rail infrastructure TLIU707B Care for the environment
TLIS2033 Install and repair temporary track supports									X				TDTX801A Install temporary track supports TLIX2609A Install and repair temporary track supports
TLIS2035 Install and repair fences and gates										X			TDTX1001A Install fences and gates TLIX2809A Install and repair fences and gates
TLIB3094 Check and repair track geometry	X	X					X	X	Not Applicable			Every 2 years	TDTB3801A Maintain track geometry TDTRB2198A Maintain track geometry TLIB3094A Check and repair track geometry TLIB9409A Check and repair track geometry TLIB3807B Maintain track geometry
TLIB3099 Examine track infrastructure	X	X										Every 2 years	TDTB3901A Record and analyse track parameters TDTRB2298A Record and analyse track parameters TLIB9909A Examine track infrastructure TLIB3907B Record and analyse track parameters
TLIB3100 Visually inspect track infrastructure	X	X										Every 2 years	TDTB4101A Visually inspect and monitor track TDTRB2498A Visually inspect and monitor track TLIB10009A Visually inspect track infrastructure TLIB4107B Visually inspect and monitor track
TLIS3010 Test rail using ultrasonic equipment					X	X						Every 3 years	RIC28 Perform ultrasonic testing TLIS1009A Test rail using ultrasonic equipment
TLIS3011 Test rail using non-destructive testing equipment						X						Every 3 years	RIC28 Perform ultrasonic testing TLIS1109A Test rail using non-destructive testing equipment
American Society of NDT's SNT-TC-1A (3)					X	X						Every 3 years	
TLIB3102 Adjust rail				X								Every 2 years	TDTB6101A Establish and maintain correct rail stress TLIB10209A Adjust rail
TLIW2012 Grind rails			X										TDTB6101A Establish and maintain correct rail stress TLIW1209A Grind rails
TLIW3015 Weld rail using aluminothermic welding process **(1)(2)**			X									Every 2 years	TDTW401A Weld using aluminothermic welding processes TLIW1509A Weld rail using aluminothermic welding process
TLIW3016 Weld rail using flashbutt welding process (1)(2)			X									Every 2 years	
TLIW3035 Heat & cut materials using oxy-LPG equipment for the rail industry (1)(2)			X									Every 2 years	
Weld rail using Hedkote processes **(1)(2)(4)**			X									Every 2 years	
Weld rail using ESAB Railtrac (1)(2)			X									Every 2 years	
TLIW0036 Apply electric welding process to rail **(1)(2)**			X									Every 2 years	TLIW1409A Weld rail using electric welding process TLIW3014A - Weld rail using electric welding process

Notes

1. Requirement depending upon role
2. Need statement of attainment or evidence regarding competence in actual process
3. SNT-TC-1A suitable alternate to TLI units. See ARTC policy ETP-00-01 Version 1.0 dated 27 March 2008
4. TLIS2044A Carry out rail installation not required for Hedkote welding role
5. Where roles show (Currency) - only the units that require recertification are listed.
6. Check the ARA National Matrix for a full list of role competency requirements.
7. ARTC only has three roles not shown on the ARA National Matrix
8. Evidence of Currency (Recertification) is to be uploaded into the ARTC - Operator role in Onsite
9. All Contractors and Employees are to complete the ARTC Electrical Safety Induction if working in Electrified areas.