

MN S 41412 CL01 V1.1 Capability Requirements Matrix	LICENCE						AUTHORISATION																	
	Signal Engineer (Field)	Signals Electrical	Signals Mechanical	Signals Ancillary	Control Systems Engineer	Control Systems Technician	Carry out an Inspection in a live Signal location	Work Safely in a live Signal location	Signalling Electrical Installer	Signals Mechanical Installer	Removal and Reinstatement of balises by disciplines other than Signalling	ATP Balise Data Installer	Signalling Assistant Tester	Signalling Circuit Tester	Signalling Circuit Function Tester	Signalling Tester in Charge	Set to Work, Test and Certification of Track Circuit	Signalling Telemetry Technician	Control Systems Software Designer	Control Systems Infrastructure Designer	Control Systems Configuration Designer		Control System FAT/FQT	
Rail Industry Safety Induction card (RISI)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	PREREQUISITES
WHS General Construction Induction Training Card (GIT)	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	PREREQUISITES
Rail Safety Worker Category 1 Health*		✓	✓						✓	✓				✓	✓									PREREQUISITES
Rail Safety Worker Category 2 Health*	✓				✓	✓							✓			✓	✓	✓	✓	✓	✓	✓	✓	PREREQUISITES
Rail Safety Worker Category 3 Health*				✓			✓	✓				✓												PREREQUISITES
Work Safely in a Live Signal Location Authorisation	✓	✓	✓	✓	✓	✓			✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	PREREQUISITES
ST A 001500 Non Operational Locator																								PREREQUISITES
Entry Qualification Requirement (Refer to MN S 41412)	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	PREREQUISITES
WR85 Signalling Working at Heights	✓	✓	✓																					PREREQUISITES
EI40 Sydney Trains Signalling Safeworking Procedures	✓	✓			✓	✓							✓	✓	✓	✓	✓							PREREQUISITES
EI06 Access to and working safely in a Live Signal Location							✓	✓			✓													PREREQUISITES
ST46 Signal Circuit Inspection and Testing	✓	✓			✓	✓						✓	✓	✓	✓	✓								PREREQUISITES
EJ05 Signalling Principles 1	✓	✓	✓		✓	✓			✓	✓		✓		✓	✓	✓		✓	✓	✓	✓	✓	✓	PREREQUISITES
EJ06 Signalling Principles 2	✓	✓			✓	✓									✓	✓		✓	✓	✓	✓	✓	✓	PREREQUISITES
EJ07 Signalling Principles 3	✓				✓														✓		✓	✓	✓	PREREQUISITES
WW39 Level Crossing Protection	✓	✓																						PREREQUISITES
EI13 Electro-Pneumatic Points and Circuits	✓	✓																						PREREQUISITES
EI14 Relay Interlocking	✓	✓																						PREREQUISITES
EI15 Introduction to Track Circuits	✓	✓			✓	✓																		PREREQUISITES
EJ04 Track Circuit Fundamentals	✓	✓			✓	✓																		PREREQUISITES
EJ20 Track Circuit Operation and Principles	✓	✓			✓	✓																		PREREQUISITES
EI98 Track Circuits HVI	✓	✓																						PREREQUISITES
EJ03 Track Circuits TI21	✓	✓																						PREREQUISITES
EI99 Track Circuits UM71	✓	✓																						PREREQUISITES
EI96 Track Circuits Log Book	✓	✓																						PREREQUISITES
EJ08 Track Circuit Log Book Coaching	✓	✓																						PREREQUISITES
EI97 Track Circuits AC	✓	✓																						PREREQUISITES
EJ01 Track Circuits FS2500	✓	✓																						PREREQUISITES
EJ02 Track Circuits FS2600	✓	✓																						PREREQUISITES
EI16 Route Set Interlocking	✓	✓			✓	✓																		TRAINING COURSES
EI86 Sydney Trains Airline Maintenance	✓	✓																						TRAINING COURSES
EI35 Solid State Interlocking	✓	✓			✓																			TRAINING COURSES
EJ11 Electrical Installation Standards and Practices for Sydney Trains Signalling Equipment	✓	✓							✓					✓	✓									TRAINING COURSES
EJ21 Clawlock and Spherolock	✓	✓																						TRAINING COURSES
EI94 Microlok II Installation	✓	✓			✓																			TRAINING COURSES
EI95 Microlok II Ancillary Equipment	✓	✓			✓																			TRAINING COURSES
SEM01 Signal Fitting and Adjustment			✓							✓														TRAINING COURSES
SEM02 Points Fitting and Maintenance			✓							✓														TRAINING COURSES
SEM03 Mechanical Signalling Claw Lock and Spherolock Points			✓							✓														TRAINING COURSES
SEM04 Mechanical Signalling Faults and Failures			✓																					TRAINING COURSES
SEM05 Mechanical Signalling Locking and Interlocking			✓																					TRAINING COURSES
SEM06 Mechanical Signalling Advanced Skills			✓																					TRAINING COURSES
SEM07 Sydney Trains Signalling Mechanical Safeworking Procedures			✓																					TRAINING COURSES
CSS01P Introduction to Control Systems					✓	✓													✓	✓	✓	✓	✓	TRAINING COURSES
CSS02P Control Systems Asset Lifecycle					✓	✓													✓	✓	✓	✓	✓	TRAINING COURSES
Control Systems – ATRICS Fundamentals					✓	✓													✓	✓	✓	✓	✓	TRAINING COURSES
ATP07 ATP Trackside Maintenance	✓	✓										✓												TRAINING COURSES
Locating of Underground Services Non - CBI areas																								TRAINING COURSES
Locating of Underground Services - CBI areas																								TRAINING COURSES
Locating of Underground Services – Live cables																								TRAINING COURSES
EM21 Rescue from live low voltage equipment																								TRAINING COURSES

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BEHAVIOURAL COMPETENCY REQUIREMENTS	IT40 Installing and Maintaining Kingfisher Field Equipment					✓	✓													✓	✓	✓	✓	✓	COMPETENCIES
	IT41 IMAC					✓	✓													✓	✓	✓	✓	✓	
	IT42 Installing and Maintaining Dupline Field Equipment					✓	✓													✓	✓	✓	✓	✓	
	Licensing Board Requirement	✓	✓	✓		✓	✓								✓	✓	✓								
	Work safely in a Live Signal Location (SCS02)							✓	✓																
	UEERS0001 Assemble and wire internal electrical rail signalling equipment									✓															
	UEERS0019 Test copper rail signalling cables									✓					✓										
	UEERS0013 Install and maintain train detection equipment									✓								✓							
	UEERS0012 Install and maintain trackside signal and train protection equipment									✓					✓										
	UEERS0018 Test and commission rail power equipment																✓								
	TLIS3005 Install mechanical infrastructure for signalling										✓														
	TLIS3023 Erect and mount structures and housings for signalling equipment										✓														
	RIICCM203D Read and Interpret plans and job specifications																								
	RIIWS202D Enter and work in confined space or an equivalent unit																								
	CS014492 Develop Control Systems Software																				✓				
	CS014496 Manage the Development of Control Systems Software																				✓				
	CS014494 Test Control Systems Software					✓															✓			✓	
	A5229938 Design Control Systems Infrastructure																					✓			
	A5237952 Test Control Systems Data					✓	✓														✓		✓	✓	
	A5229934 Construct Control Systems Infrastructure																					✓			
	A5229941 Maintain Control Systems - Maintenance Engineers					✓																			
	A5229945 Maintain Control Systems - Technical Specialists					✓																			
	A5237967 Design and Configure Control Systems Data																				✓		✓		
	A5229930 Verify Control Systems Designs																				✓	✓	✓		
	TLIS2034 Track Fastening Installation and Repair											✓													
	Deciding and Initiating Action	3	3	3	3	3	3										3	3		3	3	3	3		
	Presenting and communicating information	3				3																			
	Writing and Reporting	3				3																			
	Applying expertise and technology	3	3	3	3	3	3										3		3	3	3	3	3		
	Delivering results and meeting customer expectations	3	3	3	3	3	3										3		3	3	3	3	3		
Analysing	3	3	3	3	3	3					3				3	3		3	3	3	3	3			
Adhering to Principles and Values		3	3	3		3	3	3	3		3	3	3	3				3	3	3	3	3			
Planning and Organising	3				3		3	3	3		3	3	3	3		3									
Following Instructions and Procedures		3	3	3		3	3	3	3		3	3	3	3				3	3	3	3	3			
Coping with Pressures and Setbacks	3	3	3	3	3	3		3	3		3	3	3	3				3	3	3	3	3			
Working with People							3	3	3		3			3	3										
Adapting and Responding to Change														3											

Legend: ✓ Mandatory ✓ Optional