

Sydney Trains Licensed Signal Engineer

(Print Name)

This Certificate of Competency is to certify that the person named above has been assessed as competent to work at the levels indicated for the role of Signal Engineer, Field in accordance with the relevant ASA and Sydney Trains Signalling Standards & Procedures. Before any work can commence a Sydney Trains 'Permit to Work' must be obtained.

Signalling Safeworking	Level
Investigate, Derailments, Collisions, Irregularities & Wrong Side Failures	
Disconnect Operational Signalling Infrastructure	
Commission New & Altered Signalling Infrastructure	
Test & Certify New & Altered Signalling Infrastructure	
Set to Work, Test & Initial Certification of Track Circuits (*AC / *AD / *CS / *DC / *ET / JS / *ML / *MT / *OL / *WB / *W6) – as per Authorisation in Section 8.3 of RG S 41412	
Inspect & Test Operational Signalling Infrastructure for the purpose of Maintenance.	
Tests permitted as listed below in <i>Inspection & Testing</i>	
Release Track or Indication Locking	
Authorise Temporary Bridging on *Non Operational Signalling with PR S 40002 & 40009	
Authorise Like for Like Renewals in accordance with SPG 0711.9	
Authorise Trainstop Suppression	
Test & Certify Mechanical Interlocking (up to 8 Levers) & Relay Interlockings	
Changeover of Wires & Cables in accordance with PR S 40011, 40012 & SPG 0711.9	
Inspection & Testing (for new or altered work)	Level
Update, Check and Certify Documentation	
Conduct Correlation Test	
Conduct Apparatus Inspection (Relay / Equipment / Wire Analysis)	
Conduct Wire & Null Count / Bell Continuity Test	
Conduct Circuit Function Test and Circuit Strap & Function Test	
Conduct Through Circuit & Through System Tests	
Conduct Aspect Sequence Test	
Conduct Insulation & Earth Leakage Tests	
Conduct Power Supply & Polarity Tests	
Adjust Points and Conduct Correspondence & Out of Correspondence Test	
Conduct Signal & Level Crossing Sighting & Focusing	
Adjust & Correspond Track Circuit	
Gauge & Correspond Trainstop	
Signalling Standards, Management Systems & Documentation	Level
*Write / *Review Signalling Standards, Procedures & Engineering Instructions	
Review & Risk Assess Signalling Standards, Procedures, & Engineering Instructions	
Signal Condition Integrity Audits	
*Conduct / *Assist Signalling Technical Investigations	
Audit *Maintenance / *Construction Documentation	
*Draft / *Review / *Risk Assess Signalling Waivers	
*Draft / *Review / *Endorse Commissioning Work Package	

Install / Maintain Signalling System & Equipment		
	Level	Level
Electro-Mechanical Interlocking		Track Circuit HVI (JS)
*Relay / *Route Set Interlocking		Track Circuit AF (*CS / *ML / *WB)
SSI Standard Interlocking		Track Circuit AF (*W6 / *ET)
SSI Interlocking (*Westlock / *Smartlock)		Track Circuit (*AC / *DC)
*Westrace / *Microlok Interlocking		Track Circuit (*MT / *OL)
Signals (*Mechanical / *Colour Light)		Track Circuit (other)
Points Mechanical		*Axle Counter / *Treadle
Points Electric Combined Machine		1500v DC Traction Bonding
Points Electric (*Clawlock / *Spherolock)		Hard Wired Non-Vital System
Points EP Signal Branch		Telemetry System
Points EP (*Clawlock / *Spherolock)		Control / Indication System (*ATRICKS / *SigView / *WestCad)
Level Crossing Protection		Vital Shelf Relay
Cerberus Level Crossing Monitors		ATP Trackside Equipment
Electrical & Mechanical Releasing Devices		Locate Signalling Services
Trainstops (all types)		

Agreement:

Signature _____ Date ____ / ____ / ____

Certification by Senior Signal Engineer:

Name _____

Signature _____ Date ____ / ____ / ____

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|-------------------|---|----------------------------|
| LEVEL 1 | – Competent to perform the identified activity without supervision. | |
| LEVEL 2 | – Competent to perform the identified activity under varying degrees of supervision, dependant on complexity. | |
| STRIKE OUT | – Not competent to perform the identified activity. | * Cross-out not applicable |