Working on the Sydney Trains Network

Stephen Lemon, Sydney Trains Signalling & Control Systems Manager





Contents

- What can an AEO do on the Sydney Trains network?
- What are the Sydney Trains procedures that apply?

What can an AEO do on the Sydney Trains network?



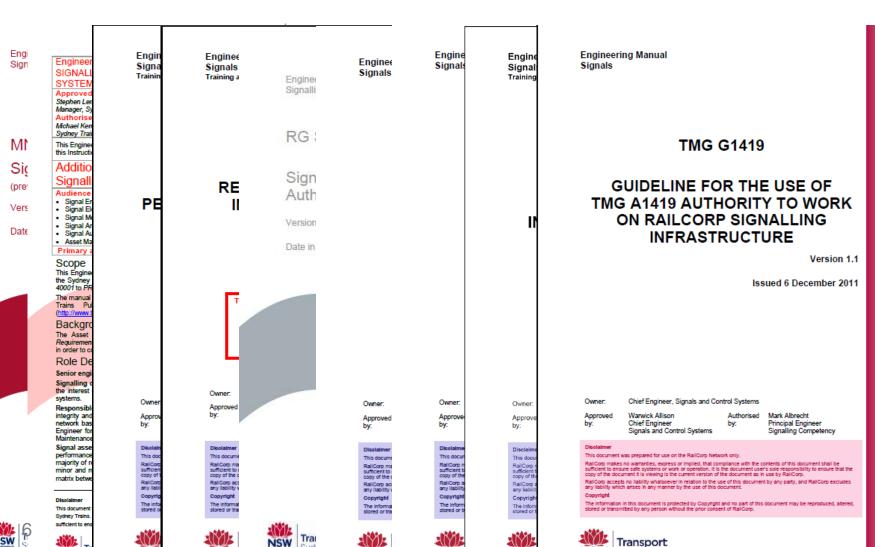
What does being an AEO mean?

- "The Asset Standards Authority (ASA) authorises Authorised Engineering Organisations (AEOs) to provide particular engineering services to Transport for NSW. How an AEO delivers these services and the scope of work provided to Transport for NSW will be defined through a contractual arrangement with Transport for NSW (TfNSW)."
- "AEOs will be required to perform engineering works within a contractual project or service arrangement in accordance with transport agency network and safety guidelines."

What are the Sydney Trains procedures that apply?



Relevant Procedures & Guidelines



NSW

NSW

NSW RailCorp

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NSV

NSW

Manua

Signalling Safeworking Procedures

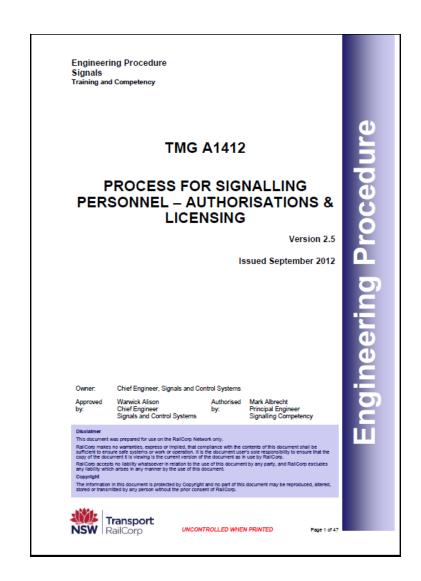
- Persons who are not competent and suitably licensed or authorised by Sydney Trains shall not perform signalling work or enter a signalling location unsupervised on the network.
- Approval of the Sydney Trains Signalling & Control Systems Manager is required for contractors in senior signalling roles on Sydney Trains network, e.g. Commissioning Engineer.

MN S 40000 Signalling Safeworking Procedures (previously known as "the J Manual") Version 12 Date in Force: 03 March 2015

Engineering Manual Signals and Control Systems

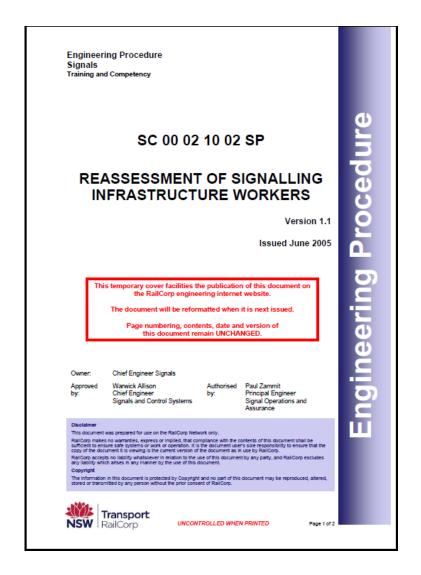
Process for Authorisations & Licensing

- Defines functions requiring a Licence or Authorisation:
 - E.g. Signal Engineer, Signal
 Electrician, Signals Mechanical,
 Signals Authorised Person
 (includes authorisations to carry
 out inspections and work safely
 in live signalling locations)
- Lists the activities that can be performed under the various licenses and authorisations.
- Lists the requirements to obtain the licenses and authorisations.



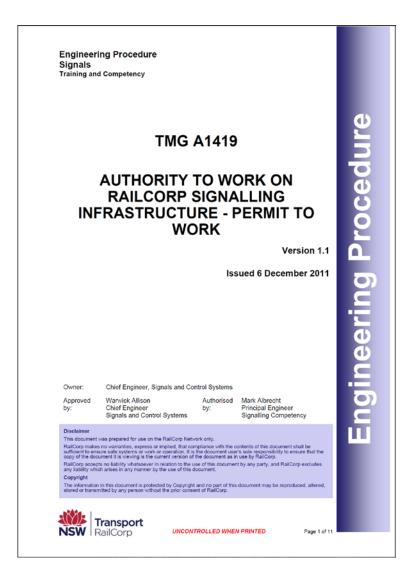
Reassessment of Signalling Workers

- Competency of staff qualified for the grades involving signalling safeworking, inspection and testing of signalling safety equipment and systems formally reviewed for reassessment within a period not exceeding every 3 years.
- Reassessment currently applies to licenses not authorisations to maintain the Certificate of Competency.



Permits to Work

- A Permit-to-Work is required to undertake any activities on Sydney Trains that require a license or authorisation
- Matches the elements in the individual's Certificate of Competency with the requirements for a given activity
- Issued on the basis of the scope and location for a project or maintenance area



Engineering Manual

Permits to Work

- A Permit-to-Work can only be issued by:
 - Signals Engineering Manager,
 Maintenance, and may be delegated to Maintenance
 Signal Engineers
 - Senior Signals Commissioning Manager, and may be delegated to Commissioning Engineers.
 - Signalling & Control Systems
 Manager, and may be
 delegated to external
 Commissioning Engineers.

Engineering Manual Signals

TMG G1419

GUIDELINE FOR THE USE OF TMG A1419 AUTHORITY TO WORK ON RAILCORP SIGNALLING INFRASTRUCTURE

Version 1.1

Issued 6 December 2011

wner: Chief Engineer, Signals and Control Systems

d Warwick Allison Chief Engineer Signals and Control Systems

Authorise by: Mark Albrecht Principal Engineer Signalling Competency

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Page 1 of

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Permits to Work

- When authority is delegated to a Commissioning Engineer, Permit-to-Work is issued with scope to "act as Commissioning Engineer with delegated authority to issue Permits-to-Work".
- This acts as Sydney Trains endorsement of Commissioning Engineer appointment.
- Only issued with evidence of appointment by contract AEO.

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Permits to Work

 Currently a plan for the S&CS Manager to delegate a 'nominated person' in TPD to act as an external 'Senior Signals Commissioning Manager', i.e. the nominated person will then have authority to delegate authority to issue Permits-to-Work to external Commissioning Engineers without going to Sydney Trains.

Not quite in place yet...

Engineering Manual

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Chief Engineer, Signals and Control Systems

Warwick Allison Chief Engineer Signals and Control Systems

Mark Albrecht Principal Engineer Signalling Competency



Issuing of Signalling Security Keys

- Sydney Trains procedure PR S 40048 (J048)
- Keys issued to go with a Permit-to-Work
- Recent update (EIS 1503)
 allows the Sydney Trains
 Signalling & Control System
 Manager to authorise another
 AEO to hold an allocation of
 signalling security keys for
 signalling works.

RailCorp Engineering Manual — Signals — Signaling Safeworking Procedures: Manual J. Signaling Locations and Equipment — Security Locks and Keys

TMG J048

TMG J048

SIGNALLING LOCATIONS AND EQUIPMENT – SECURITY LOCKS AND KEYS

Version 2.0

Issued October 2011

Document control

Version	Date	Summary of change
1.0		Replaced SC 00 52 00 48 Signalling Locations and Equipment – Security Locks and Keys.
1.1	14/01/2008	Changes to reflect the split of signalling infrastructure into separate ARTO and RailCorp systems and how to deal with locks & keys at the interface between the systems. Also changes to reflect the current usage of keys by licensed RailCorp employees and contractors.
1.2	8/05/2009	Minor amendment to Appendix 2 re design and technical engineers.
1.3	July 2009	Minor amendment to Table 5.1, Section 13, Appendix 1 & 2
1.4	May 2010	Application of TMA 400 format
2.0	October 2011	Updated complete document to reflect current business requirements, associate the process exclusively for keys issued for signalling infrastructure work, restructure the layout to logically read better.

Contents

1	Introd	Introduction		
2	Defini	Definitions		
3	Old Se	Old Series Signalling Security Keys		
4	SL Ke	SL Keys		
5	Falcon Series Signalling Security Keys			
	5.1	Series Hierarchy4		
	5.2	Core Configuration Authority		
	5.3	Key Cutting and Numbering5		
	5.4	The Locktech Security Keying System		
6	Signa	Signalling Security Keys - Control Process		
	6.1	District Key Controllers5		
	6.2	Supply of Keys		
	6.3	Key Pool Storage		
	6.4	Issuance Control		
	6.5	Return of Issued Keys		
	6.6	Maintenance of Records		

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 Page 1 of 12

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Questions?



