

Engineering System Integrity
Electrical Network Safety Rules

Engineering Specification
Electrical Distribution Unit

One Method of Safe Working

SP D 79056

**Special exception from working to
the Electrical Network Safety
Rules (ENSR)**

Version 1.0

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Document control

Version	Date	Author/ Prin. Eng.	Summary of change
1.0	1 February 2022	ENSR Project Team	First issue as Sydney Trains document. Extracted from PR D 78101 V1.0 General Requirements for Electrical Work Section 3 Special exception from working to the ENSR. Reviewed as part of the ENSR Project.

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1 Special exception

The Electrical Network Safety Rules (ENSR) dictate the minimum safe working requirement for the Sydney Trains electrical network.

However, it is recognised that in some situations it is not always possible to comply with the ENSRs. These circumstances are rare and should be carefully considered. All efforts should be made to first plan these works within the requirements detailed in the ENSR and to always seek advice from an electrical authorised officer if unsure as to how this can be achieved.

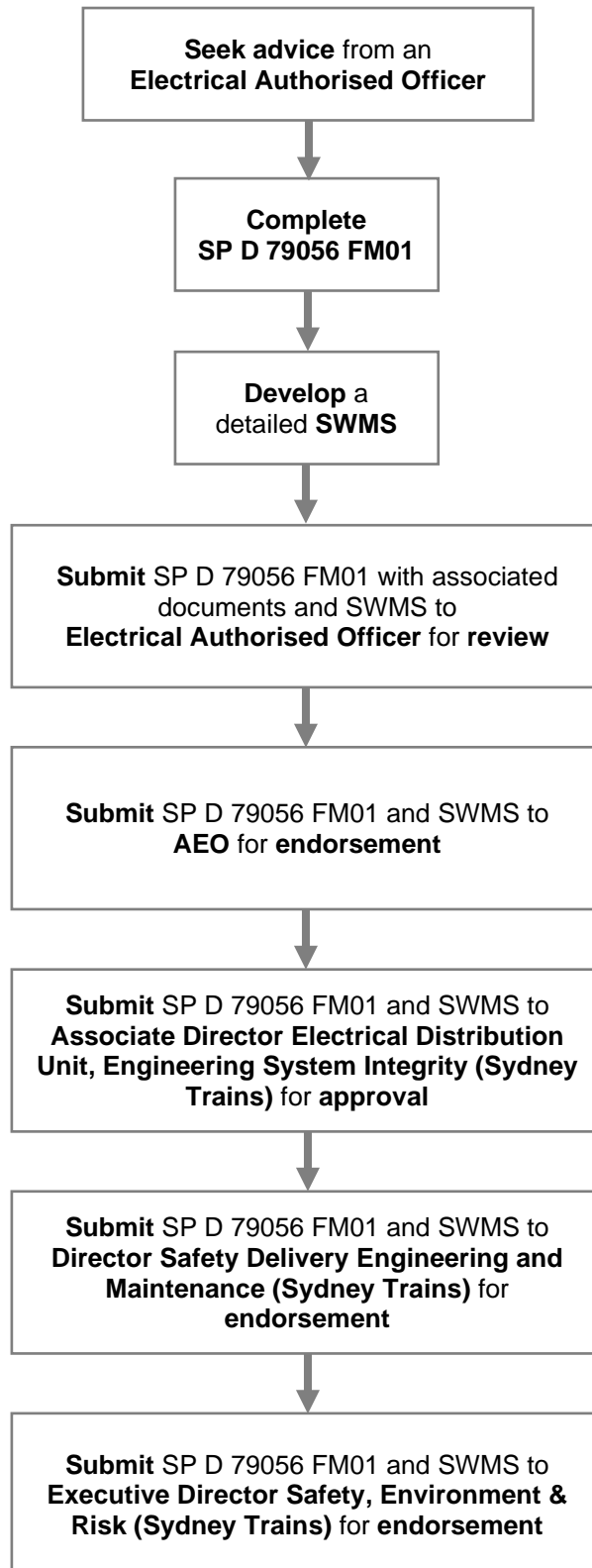
To continuously improve the safety of all workers on its electrical network, the testing of new technologies and work practices shall also be undertaken through the ENSR waiver process.

An ENSR waiver is only to be considered once it can be demonstrated that all avenues of undertaking the works within the ENSR have been explored and proven to be unviable. In such circumstances, alternative safe working methods or technologies can be proposed and assessed by the Electrical Distribution Unit. It is the responsibility of the waiver applicant to demonstrate that all ENSR-compliant methodologies have been explored and that the proposed alternative provides equal or greater protection, and that all necessary risk assessments and work method statements have been prepared for assessment.

The requirements for Sydney Trains acceptance of any procedure for electrical work that differs from those in the ENSR shall be submitted for review at least 20 days prior to the planned work and shall include:

- Completion of *SP D 79056 FM01 Electrical Network Safety Rules Waiver* Template:
 - Identification of the non-compliance
 - Justification of the non-compliance
 - Mitigation of the non-compliance to So Far As Is Reasonably Practical (SFAIRP)
- A detailed Safe Work Method Statement or Statements (SWMS) to carry out the work that provides and is equivalent to, or a higher level of safety than, the ENSR
- Review of the waiver by an Electrical Authorised Officer
- Endorsement of the waiver by the Authorised Engineering Organisation (AEO)
- Approval of the waiver by the Associate Director Electrical Distribution Unit, Engineering System Integrity (Sydney Trains)
- Endorsement of the waiver by the Director Safety Delivery Engineering and Maintenance (Sydney Trains)
- Endorsement of the waiver by the Executive Director Safety, Environment & Risk (Sydney Trains).

2 Process overview



3 Reference documents

RL D 79800 Electrical Network Safety Rules

RL D 79801 One Method of Safe Working

RL D 79802 Network Management

RL D 79803 Working Near or On/Within

RL D 79804 Electrical Safety Incidents

RL D 79805 Personnel Competency

PR D 78500 Electrical Permits

PR D 78501 Electrical Permit to Work

PR D 78502 Substation Access Permit

PR D 78503 Low Voltage Access Permits

PR D 78504 Operating Agreements

PR D 78506 Substation – Demarcation Taping