

Application for Connection

This form is to be completed for the connection of new or altered load to the Sydney Trains Low Voltage Distribution Network. An Electrical Contractor and/or Designer will be required to accurately complete all sections.

The Project/Interface Manager is to submit the completed form via email to:
ElectricalInspectors@transport.nsw.gov.au for signed approval prior to proceeding with any connection.

The following shall be adhered to:

- It is expected that design information for the project is attached in support of this application.
- Stage 1 approval is not required outside the 1500V DC electrified area bounded by Kiama, Bowenfels, Newcastle Interchange and Glenlee. Installations in these areas only require Stage 2 approval.
- Airport Line (International Airport to Green Square) is managed by the Airport Link Company Operations and Infrastructure Manager. Phone: 02 8337 8409; Email: contact@airportlink.com.au
- Renewable Energy Installation – An Application for Connection is to be submitted with an accompanying SP D 79059 FM02 - Renewable Energy Installation Submission.

Permanent connection ☐	Temporary connection ☐	From:	To:
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Renewable Energy Installation	Yes ☐	No ☐	If yes, Renewable Energy Installation Submission Form attached?	Yes ☐	No ☐
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Project details	
Project Title:	
Installation Location:	
Work Order #:	
Design:	Has a design been completed? (If yes, please attach) Yes ☐ No ☐

Project Manager or Interface details	
Organisation:	TfNSW ☐ Sydney Trains ☐ NSW Trains ☐
Project/Interface Manager:	Phone:
Email:	

Principal / Managing Contractor details	
Company Name:	
Contact Person:	Phone:
Email:	

Electrical Contractor details (or Electrical Designer if contractor not known)	
Company Name:	
Contact Person:	Phone:
Email:	License No:

Brief description of proposed scope of works

Existing service and switchboard details

Sydney Trains service ☐ Local distributor service ☐ Dual service ☐ (please tick)

Switchboard location details:
(DB Identifier/Platform/Room)

Rating of supplying CB protecting switchboard: (ampere) Main Switch rating of switchboard: (ampere)

Submain cable size: (including earth) (mm²)

Number of poles: Number of spare poles:

Existing load: (1-phase) (ampere)

Existing load: (3-phase) A - (ampere) B - (ampere) C - (ampere)

New or altered load maximum demand calculations

(to be completed as per AS/NZS 3000 Table C2 – Column 3. This detail can be provided as a separate attachment)

Load group	No. of units	Description	Calc. max. demand (A)
Lighting:			
Socket outlets: (double counted as 2)			
Air-conditioning:			
Motors:			
Lifts:			
Water heater: Instant. ☐ Storage ☐			
Other (specify):			
Total new or altered load:			
Total new or altered load (3-phase):	A -	B -	C -

Stage 1 Application Approval from EDU Electrical Installation Inspector:

Capacity available Yes No **Application:** Approved Not approved

Stage 2 Approval: Is Stage 2 Approval required? Yes ☐ No ☐

Comments:

Signed:

Date:

Stage 2 Application Approval from Installation Owner (where applicable):

Capacity available Yes No **Application:** Approved Not approved

Comments:

Signed:

Date:

Information Regarding Applications for Connection

Electrical Distribution Unit (EDU) is responsible for the regulatory requirements as the Distribution Network Service Provider (DNSP) for all installations connected to the Sydney Trains distribution system. T HR EL 17000 ST Demarcation of RailCorp Low Voltage Distribution System describes requirements of the DNSP and Sydney Trains as the network operator.

The Electrical Distribution Unit is responsible for carrying out electrical installation inspections upon receipt of an NSW Certificate of Compliance – Electrical Work (CCEW) and conducting audits on existing installations. When an Application for Connection (AFC) is received, an EDU Installation Inspector will determine if the associated Substation and the Distribution Supply Main Switchboard (DSMSB) has the capacity to supply the requested additional load. This forms Stage 1 of the approval process.

As the Electrical Distribution Unit is not the installation owner it cannot approve the attachment of additional load to any section of the installation downstream of the point of supply on the DSMSB. It is considered the responsibility of the installing electrical contractor or designer to determine if the installation has the capacity to support the additional load and to design the installation accordingly. The installation owner or their representative shall be consulted and give additional approval, via the Stage 2 approval process for the increased electrical load and connection to switchboards. For Stage 2 approval of Facilities Maintenance assets, which includes stations and sidings email LVElectrical@transport.nsw.gov.au

All electrical works shall comply with AS/NZS 3000, the New South Wales Service and Installation Rules, TS 03954 - Low Voltage Electrical Installations, T HR EL 12004 ST – Low Voltage Distribution and Installations Earthing along with any other relevant Asset Management Branch standards.

As per Gas and Electricity (Consumer Safety) Regulation a CCEW shall be lodged with EDU within 7 days of work completion via email to ElectricalInspectors@transport.nsw.gov.au

Upon receipt of the CCEW an inspection will be carried out on the nominated work. Any minor defects related to this inspection shall be rectified within 21 days. Major defects will be disconnected and the persons responsible for the work will be accountable to rectify immediately.

For any enquiries regarding Application for Connection:

Contact: Gary Phillipp - Principal Installation Inspector

gary.phillipp@transport.nsw.gov.au

Mobile: 0413 008 657