

Removing 1500V supply

Introduction

Removing 1500V supply requires coordination between Traffic Controllers and Engineering Controllers.

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Coordinating Traffic Controller

1. Make sure that the details on the copies of the *Authority for Removal of Supply from 1500 Volt Sections* form issued to Traffic Controllers are the same.



Note:

If removal of 1500V supply affects more than one Traffic Controller, they must confer and nominate a Coordinating Traffic Controller. The Coordinating Traffic Controller gives clearance to remove supply.

Engineering Controller and Traffic Controllers

2. Before removal of 1500V supply is due, make sure that each party has the current colour version of the *1500V Sectioning Diagram*.
3. Confer, and make sure that the details of the *Authority for Removal of Supply from 1500 Volt Sections* form, and the advertised details, correspond with the *1500V Sectioning Diagram*.
4. Make sure that, in the 1500V overhead wiring sections to be isolated:
 - there are no vehicles requiring electric traction that may need to be moved during the period of isolation of 1500V supply, and
 - the pantographs of stabled electric vehicles and battery electric locomotives in the overhead wiring sections have been lowered and isolated.

Coordinating Traffic Controller

5. Make sure that routes allowing entry to the sections have been cancelled, signals where available are placed at stop, blocking facilities are applied and unsignalled entry is prevented.

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Note:

If removal of 1500V supply will extend into an SMTF or Maintenance Buildings, the Traffic Controller must ensure that the requirements of *MPR 706 Removing 1500V Supply in SMTFs and Maintenance Buildings* have been met.

6. Give clearance to the Engineering Controller for removal of the 1500V supply, if requirements have been met.
7. Tell affected Traffic Controllers and the Chief Controller that the clearance to remove the 1500V supply has been given.

Affected Traffic Controllers

8. Record, in permanent form, details about the clearance for removal of the 1500V supply.

Engineering Controller

9. Make sure that the prescribed approvals have been given.
10. Remove the 1500V supply.



WARNING

Removal of supply may happen some time after clearance for removal of the 1500V supply has been given.

Authorising travel between live and isolated sections

Traffic Controllers

1. Make sure the motive power intended for use during travel is known, and record in permanent form the:
 - date and time of the movement, and
 - train identification number, and
 - name and designation of the Qualified Worker piloting the movement.
2. If the motive power is not known, arrange for the motive power to be determined.

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3. If the motive power is electric, determine a method of working to be used.

Restoring 1500V supply

Engineering Controller

1. Tell the coordinating Traffic Controller when the work has been completed and the 1500V supply has been restored.

Coordinating Traffic Controller

2. Tell affected Traffic Controllers and the Chief Controller that the 1500V supply has been restored.

Affected Traffic Controllers

3. Record, in permanent form, the time when the 1500V supply was restored.

Keeping records

Affected Traffic Controllers and Engineering Controllers must record in permanent form all details of the removal and restoration of the 1500V supply.

Procedures

MPR 706 Removing 1500V supply in SMTF and Maintenance Buildings

MPR 714 Removing 1500V supply in unplanned situations

Effective date

28 April 2025