

## Removing 1500V supply

### Introduction

Removing 1500V supply requires coordination between *Network Control Officers* and *Electrical System Operators*.

### Removing 1500V supply

#### **Coordinating Network Control Officer**

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



#### **NOTE**

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

#### **Electrical System Operator and Coordinating Network Control Officer**

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 in the overhead wiring sections have been lowered and isolated.
5. Make sure that *blocking facilities* have been applied to *controlled signals* and unsignalled *routes* allowing entry to the sections to be isolated.

#### **Coordinating Network Control Officer**

6. Give clearance for removal of the 1500V supply if requirements have been met.
7. Tell affected staff and *Network Control Officers* that the 1500V supply has been removed.

#### **Affected Network Control Officers**

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

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### ***Electrical System Operator***

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

#### ***Network Control Officers***

1. If the motive power is not known, arrange for the motive power to be determined.
2. If you are told that the motive power is electric, determine the method of working to be used.

### Restoring 1500V supply

#### ***Electrical System Operator***

3. Tell the Coordinating Network Control Officer when the work has been completed and the 1500V supply has been restored.

#### ***Coordinating Network Control Officer***

4. Tell affected staff and Network Control Officers that the 1500V supply has been restored.

#### ***Affected staff and Network Control Officers***

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

### Additional procedures

#### ***Coordinating Network Control Officer***

1. Compile a *CNRF 018 Advice 1500 Volt Supply Removed/Restored* form.
2. Give affected staff and Network Control Officers the advertised details about the proposed removal of 1500V supply.

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### ***Affected staff and Network Control Officers***

3. Sign the prepared *CNRF 018 Advice 1500 Volt Supply Removed/Restored* form to show that you know that the 1500V supply will be removed.
4. When told that the 1500V supply has been restored, sign the prepared *CNRF 018 Advice 1500 Volt Supply Removed/Restored form* to show and record that you know that the 1500V supply has been restored.

### Related JHR Network Procedures

*CNPR 714 Removing 1500V supply in unplanned situations*

### Effective date

November 2018