

ANPR 705

Removing 1500v Supply

Applicability

NSW

SMS

Publication Requirement

External Only

Document Status

Issue/Revision #	Effective from
2.0	11 October 2015

Introduction

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

Removing 1500V supply

Coordinating Train Controller

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



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

Electrical System Operator, Train Controllers and Signallers

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 *sections* have been lowered and isolated.

Train Controllers

5. Get assurance from *Signallers* that *blocking facilities* have been applied to *controlled signals* and unsignalled *routes* allowing entry to the sections to be isolated.



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

Coordinating Train Controller

6. Give clearance for removal of the 1500V supply if requirements have been met.
7. Tell affected *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.

Electrical System Operator

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

Authorising travel between live and isolated sections

Train Controllers

1. If it is known, tell relevant Signallers about the type of motive power of trains that approach *isolated 1500V overhead wiring sections* during travel.
2. If the motive power is not known, arrange for the motive power to be determined.
3. If you are told that the motive power is electric, determine the method of working to be used.

Restoring 1500V supply

Electrical System Operator

1. Tell the Coordinating Train Controller when the work has been completed and the 1500V supply has been restored.

Coordinating Train Controller

2. Tell affected Network Control Officers that the 1500V supply has been restored.

Affected Train Controllers and Signallers

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

Additional procedures where Train Register Books are not used

Sydney Yard

Train Controller

1. Give the Sydney Yard Signaller the advertised details about the proposed removal of 1500V supply.
2. Have the Sydney Yard Signaller:
 - compile an SMS-06-FM-0606 Advice 1500 Volt Supply Removed form, and
 - send it to the Sydney Yard Controller.

Sydney Yard Controller and Assistant Yard Controllers

3. Sign the prepared SMS-06-FM-0606 Advice 1500 Volt Supply Removed form to show that you know that the 1500V supply will be removed.

Train Controller

4. Make sure that the relevant parties have signed the SMS-06-FM-0606 Advice 1500 Volt Supply Removed form.

Sydney Yard Controller and Assistant Yard Controllers

5. When told that the 1500V supply has been restored, sign the prepared SMS-06-FM-0606 Advice 1500 Volt Supply Removed form to show that you know that the 1500V supply has been restored.

Other locations

Train Controller

1. Give affected Signallers the advertised details about the proposed removal of 1500V supply.
2. Have the Signallers compile an SMS-06-FM-0606 Advice 1500 Volt Supply Removed form.

Signallers

3. Sign the prepared SMS-06-FM-0606 Advice 1500 Volt Supply Removed form to show that you know that the 1500V supply will be removed.

Train Controller

4. Make sure that the relevant Signallers have signed the SMS-06-FM-0606 Advice 1500 Volt Supply Removed form.

Signallers

5. When told that the 1500V supply has been restored, sign the prepared SMS-06-FM-0606 Advice 1500 Volt Supply Removed form to show and record that you know that the 1500V supply has been restored.

Related ARTC Network Procedures

ANPR 706	Removing 1500V supply in Electric Vehicle Maintenance Centres
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ANPR 714	Removing 1500V supply in unplanned situations
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