

Service & Installation Rules of NSW

Amendments January 2010 Edition

Note: Minor changes of a secretarial nature are not listed.

The actual changes are shown underlined.

Figure 2.9: Typical Underground Service with conductors up to a maximum of 70 mm² installed on an Electricity Distributor's Pole. (Refer to Table 2.3)

3.8.2 Consumers Mains

The unprotected consumers mains associated with an overhead service on a builders service post/pole, may have a minimum size of 6mm² copper thermoplastic insulated and sheathed cable (maximum demand permitting) when installed in PVC flexible plain conduit to AS/NZS 2053 Part 4—1995 'Conduits and fittings for electrical installations Part 4: Flexible plain conduits and fittings of insulating material'.

4.1.1 Existing Installations

In general where metering installations are changed or relocated, standard metering arrangements as required by this Section will apply.

You may install additional service and metering equipment on an existing board if the additions can be accommodated without relocating existing metering equipment.

4.6 LOCKING OF SERVICE AND METERING ENCLOSURES

Locking and restricting access to a meter enclosure or other enclosure for service equipment is acceptable if the lock or access is by means of a standard locking system obtained through the electricity distributor.

The following access arrangements are acceptable provided the electricity distributor's officer is not required to reset security alarms:

- (a) Where electrically operated security locking is used, a key switch is to be provided and fitted with the electricity distributor's standard cylinder.
- (b) Where access is given by means of a security card, either a key switch as above or a card left in a locked box provided by the customer and mounted adjacent to the entrance door which can be opened by the electricity distributor's standard key is to be provided. The lock box must be mounted no lower than 0.6 m or no more than 2.0m above the ground, floor or platform.

4.7.2 100A Service Protective Devices and Service Fuses

4.7.6 Circuit Breakers in Lieu of Service Protective Devices greater than 100A

- (f) Have any adjustable settings sealable such that only authorised persons have access. Where such settings are located behind a sealed escutcheon, this provision does not apply.

4.10.1 Service Neutral Link

The service neutral link must etc...

An auxiliary sealable metering link must be provided if the service neutral link cannot terminate all of the meter neutral conductors. The connection to the meter neutral link must be made using a minimum 4mm² sized copper conductor.

4.10.2 Meter Neutral Link

The meter neutral link must accommodate the following:

- i) The incoming main neutral conductor.
- ii) A separate neutral conductor for each meter or load control device being installed.

4.17.6 CT Enclosure - Construction

The CT enclosure when forming part etc.....

.....The secondary terminals, voltage-circuit fuses and metering neutral link must be accessible without removal of the screen. Where a screen is used it must be fitted with two insulated handles and be secured to the switchboard.

Figure 4.17: Mounting of Current Transformer Switchboards - General Requirements

Notes to Figure 4.17

- 8. Safety screen when used is not shown in Figure 4.17.

4.18.1 CT Meter Panel

The customer must provide a meter panel (550mm x 550mm) or greater for a single metering installation (which includes check metering when required).

7.5.9 Operation of the Customer's High Voltage Installation

...The customer must provide the required safety and operating equipment for people working on the electrical installation. Refer to these Rules outlined in AS 2467 'Maintenance of Electrical Switchgear'...

7.5.10 Maintenance

- (b) AS 2467 'Maintenance of Electrical Switchgear'

Attachment A - Schedule of Minimum Operating Procedures and Safety Equipment - HV Installations

All operating procedures must meet the overall conditions of AS 2467 'Maintenance of Electrical Switchgear' namely:

...The Safety Rules documented in Appendix A of AS 2467 'Maintenance of Electrical Switchgear'....

8.4 Requirements for Stand-by Generator Synchronise Close Transfer Trip

Generator Synchronise Close Transfer Trip etc...

- v) The size of the generator.

Note: All sources of supply, at the time of synchronisation, must be considered when designing the fault capacity of the system.

8.6.1 Introduction

This clause outlines requirements etc...

... refer to clauses 8.6.11 and 1.10.13.

These installations allow customers to either:

- (a) have all the electricity generated supplied to the distribution network and for metering to measure the amount of electricity so supplied (gross metering), or
- (b) have some or all of the electricity generated used by the customer rather than being supplied to the distribution network (net metering).

8.6.4.3 Deleted

Figure 8.3: Example Single Line Diagram (parallel generation source connected at the main switchboard)

