



Customer Installations
Advice No. 1164 5/9/2001
Doc. Ref. Network Standard NS 0140
and CIA 1119.

TO: Customers, Service Providers and EnergyAustralia Staff.

Amendments to EnergyAustralia's Network Standard NS 0140, *Construction Standards for Kiosk Type Substations (Sydney)*, October 1997.

Introduction

This Customer Installation Advice (CIA) amends Network Standard (NS) 0140, *Construction Standards for Kiosk Type Substations (Sydney)*, which will be updated in due course.

These amendments:-

- specify the requirements for danger signs to be attached to kiosk substation housings, and
- update general information.

Refer also to CIA 1119, dated 4/7/2000 for amendments 1 to 3 inclusive.

Note: Current CIA's and network standards are available on EnergyAustralia's Internet site at www.energy.com.au.

Amendment 4.

Replace the page prior to the *Contents* page, which contains the *Summary* and *Interpretation*, with page 3 of this CIA.

Amendment 5.

Insert the following new clause, 2.16 *Danger Signs*, and include a reference in the *Contents*:-

2.16 Danger Signs

Kiosk substation housings must have two danger signs attached. If the danger signs are not already attached to the housing, or if existing danger signs are damaged or ineffective, the Service Provider shall supply and attach danger signs in accordance with the specifications and requirements indicated in Appendix C.

Amendment 6.

Insert the new Appendix C *Danger Signs for Attachment to Kiosk Housings*, as included on pages 4 and 5 of this CIA, and include a reference in the *Contents*.



John Mackay
Manager – Network Assets.

SUMMARY

Network Standard NS 0140 provides the criteria for construction of kiosk distribution substations in the Sydney Region of EnergyAustralia.

This Standard is to be read in conjunction with NS 0110 Specification for Design Standards for URD (Sydney), NS 0116 Design Standards for Distribution Earthing, and NS 0141 Specification for Site Selection for Kiosk Type Substations.

ISSUE

This Standard is subject to amendment by EnergyAustralia at any time.

EnergyAustralia staff: This Standard is for issue to all staff who are involved with the construction of kiosk type substations in the Sydney region, and is for reference by field, technical and engineering staff.

Where this document is issued as a controlled document replacing an earlier edition; remove and destroy the superseded document.

Accredited Service Providers and Contractors: This document is issued on an uncontrolled basis. It is the user's responsibility to ensure that the document being used is current and includes all amendments issued since the date on the document.

EnergyAustralia offers a subscription service which provides for updates and amendments to standards on payment of an annual fee.

Current network standards are also available on EnergyAustralia's Internet site at www.energy.com.au.

DISCLAIMER

This Standard has been developed using information available from field and other sources and is suitable for most situations encountered in EnergyAustralia. Particular conditions, projects or localities may require special or different practices. Any proposed deviation from this Standard must be submitted to EnergyAustralia for approval before it is implemented.

It is the responsibility of all persons involved to ensure that a safe system of work is employed and that statutory requirements are met.

EnergyAustralia will not accept any liability for work carried out to a superseded standard.

EnergyAustralia's standards are subject to ongoing review. It is possible that conflict may exist between standard documents. In this event, the most recent standard or amendment is to prevail.

INTERPRETATION

In the event that any user of this Standard considers that any of its provisions is uncertain, ambiguous or otherwise in need of interpretation, the user should request EnergyAustralia to clarify the provision. EnergyAustralia's interpretation shall then apply as though it were included in the Standard, and is final and binding. No correspondence will be entered into with any person disputing the meaning of the provision published in the Standard or the accuracy of EnergyAustralia's interpretation.

Appendix C - Danger Signs for Attachment to Kiosk Housings.

1. J, L and K Type Kiosks.

Danger signs for these kiosks are fitted originally by the manufacturer (Schneider).

If the original signs have been removed, or are damaged or ineffective, replacement signs complying with the specifications as indicated in sub-clause 3 below for other type kiosks must be attached.

2. E, H and I Type Kiosks.

E, H and I Type kiosks shall be fitted with two stick-on danger signs in accordance with the following specifications:-

- One sign is to be located at the high voltage end and one sign at the low voltage end, both visible from normal access points.
- The signs shall be stick-on Scotchlite (or equivalent) reflective sheeting.
- The signs shall comply with AS 1319 *Safety signs for the occupational environment* for colours and lettering dimensions.
- The dimensions of the signs shall be 350 mm wide x 175 mm high.
- The wording of the signs shall be as indicated in the illustration below.
- The signs shall be in accordance with EnergyAustralia drawing 153366.
- Complying stick-on signs are available on EnergyAustralia stockcode 177281.

3. Other Type Kiosks (e.g. KB, KC, KG, KM, KP, KS, KT etc.)

Kiosks shall be fitted with two danger signs in accordance with the following specifications:-

- One sign is to be located at the high voltage end and one sign at the low voltage end, both visible from normal access points.
- The signs shall be either on:
 - (i) stick-on Scotchlite (or equivalent) reflective sheeting, or
 - (ii) aluminium sheeting.
- Aluminium sheeting signs should normally be used only where the kiosk housing surface is unsuitable for stick-on signs (e.g. fluted surface).
- The signs shall comply with AS 1319 *Safety signs for the occupational environment* for colours and lettering dimensions.
- The dimensions of the signs shall be 350 mm wide x 175 mm high.
- The wording of the signs shall be as indicated in the illustration below.
- The signs shall be in accordance with EnergyAustralia drawing 153366.
- Complying signs are available on EnergyAustralia stockcode 177281 for the stick-on sign, and stockcode 177282 for the sign on aluminium sheeting.
- Aluminium sheeting signs shall be attached with suitable sized rivets. Where signs are attached to steel housings, a small amount of non-acid cure silicon sealant must be applied to the rivet holes before the sign is riveted in place. Where signs are attached to fibreglass housings, the rivets must be supported on the inside by suitably sized brass washers.

- Caution 1.** If it is necessary to replace or retrofit a metal danger sign after the kiosk substation is commissioned; the work must be carried out in accordance with the requirements of EnergyAustralia's Electrical Safety Rules.
- 2.** Danger signs must not be attached in any position where drilling for the attachments, or fixing of the attachments, could possibly endanger the person attaching the sign, or any other persons, or cause damage to the equipment in the kiosk substation.



Danger sign for kiosks in ex Sydney Electricity area.
