



Network Standard Advice

No. 1633 14/11/2011

Doc. Ref. Network Standard NS 141 + NSA1619

TO: Customers, Service Providers and Ausgrid Staff.

Amendments to Ausgrid's Network Standard NS 141, *Site Selection and Site Preparation Standards for Kiosk Type Substations, August 2005.*

Introduction

This Network Standard Advice (NSA) amends Network Standard (NS) 141, Site Selection and Site Preparation Standards for Kiosk Type Substations, which will be updated.

This amendment clarifies

- Substation Site 3
- Footpath Sites 3.2.2
- Fencing Around Off-Street Locations 3.8

Note: Current network standards, with NSAs on Ausgrid's internet site at www.ausgrid.com.au.

Section 3.1 General

Delete the words "*metallic fences*" from the 1st line of the 9th paragraph so it now reads;

The siting of kiosk substations in the vicinity of public swimming pools, service stations, flammable gas or liquid storage tanks should be avoided. The Service Provider is responsible for the control of any potentially hazardous situation that may arise from substations located near these structures. Refer also to:

Section 3.2 Site Selection

3.2.2 Footpath Sites

Replace 6th dot point with,

- must not be located at or adjacent to roundabouts and traffic calming devices,

Insert additional dot point immediately following the 6th dot point as follows,

- should not be located at "no stopping" zones unless no suitable alternative site is available and adequate traffic management is possible including nearby parking,

Section 3.8 Fencing Around Off-Street Locations

Replace 1st dot point with the following;

- where segregated earthing systems are employed the likelihood of earth potential rise, under fault conditions, which may be transferred along a metallic fence. This may require wood fence posts in the vicinity of the kiosk, or in some cases the whole section of fence may need to be non-metallic. Each substation should be treated on its own merits with advice sought early in the project design from Ausgrid as required. The major factors which will affect this are: the local soil resistivity; whether the 11kV feeder is underground all the way back to the Zone Substation (i.e. providing a return path by cable sheath continuity), and is the kiosk connected to an adequate interconnected MEN system.

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