

# ASP Safety Alert

## ASP Compliance and Practices



Alert Number: SA03\_17

Subject: Proposed Changes to Symbology for LV HDPE Cables

28 March 2017

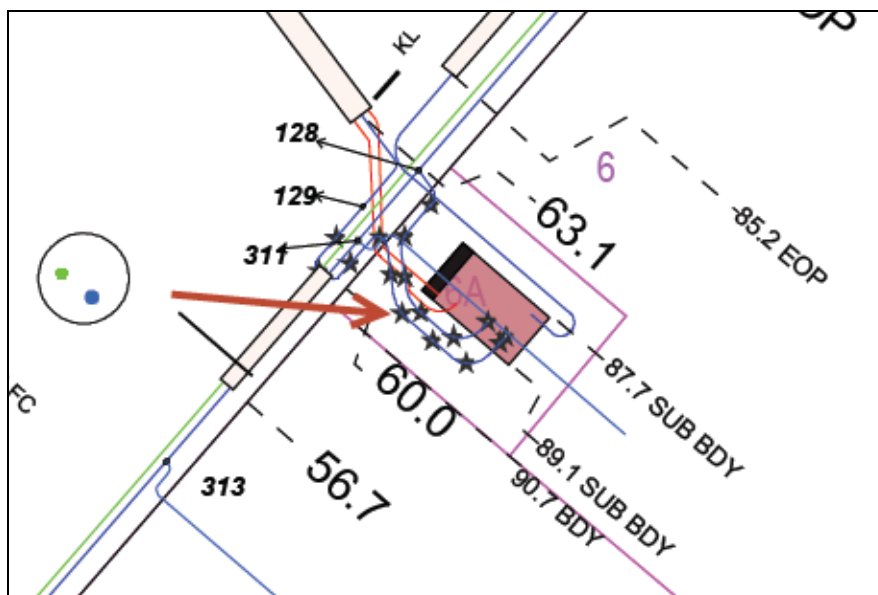
Key Messages

**Risk of electric shock when working near single core, stranded aluminium (AL1), high density polyethylene insulated (XQ or Q), PVC sheathed cables (Z)**

Ausgrid has identified existing cables that are susceptible to deterioration can pose a risk of electric shock when working in close proximity, particularly in damp ground. This applies to low voltage single core, stranded aluminium conductor (AL1), high density polyethylene insulated (XQ or Q), PVC sheathed cables (Z) that were installed prior to 1985 e.g. 300AL1 XQZ.

Ausgrid is currently working to make changes with the symbology of the suspect low voltage cables in the WebGIS viewer and AutoCAD extract in order for the affected cables to be identified on ASP3 contestable designs.

Until this work is complete, a Dial Before You Dig (DBYD) must be used in conjunction with the design to identify the location of the affected cables which are illustrated by "stars" located over the location of these cables as shown in the example below.



Source: Smallworld Scout GIS version 1.3

Cable codes affected are:

2100	2141	5038	5041	5079	5144
2101	2176	5039	5042	5130	5154
2140	5037	5040	5069	5138	5050

Further information on the specific hazard and work requirements are contained in previous Safety Alert SA06\_15 “Low voltage aluminium stranded cables” and NUS199 “*Safe Electrical Working on Low Voltage Assets*”, Section 8 “Low Voltage Aluminium Single Core Cables”.

A further update will be provided once the proposed changes to the symbology have been completed.

If you have any further questions please contact us at [level1asp@ausgrid.com.au](mailto:level1asp@ausgrid.com.au).

**Ausgrid**

**Project Officers**