

# Standards Alert

Part of the Energy Queensland Group

Subject: <b>Number of HV Switching points on poles</b>	Control Ref No: StdsA569
	Date Issued: 14/04/2020
	Supersedes:
For Policy/Procedure/Manual: <b>Overhead Design Manuals</b>	Expiry Date: 31/12/2022
Originating Dept: <b>Asset Standards:- Line Standards</b>	
Target Audience: <b>EQL</b>	

## 1. Amendment Record

Version	Date	Author	Amendments
Initial	14/04/2020	F Zaini	Initial Issue

## 2. Introduction

This Standards Alert is to provide guidance for the number of HV switching points at poles to reduce confusion and assist in preventing incorrect HV switching from occurring. Incorrect switching has occurred when more than one switching point is located on the same pole and the switching crew has accidentally operated the incorrect switch.

This applies to all HV distribution lines but is particularly relevant to SWER applications, where it has been relatively common in the past to have two switches on a pole (e.g.: a tee off pole).

This only applies to HV switching as it is recognised that for LV switching, it is often not possible to accommodate having only one switch on a pole due to the dense nature of the LV network in many locations.

## 3. Planning/Design Requirements

Planners/Designers are to look for practical opportunities to limit the number of HV switching points on a pole to one per pole. Where practical the second switch should be moved to another pole along the line where suitable access is available. Should this just not be practical due to site conditions, then as a last resort 2 switches can be placed on the same pole due to there not being another practical option.

Generally, for 3 phase lines, it is not practical to have 2 switches on the same pole, so this issue typically relates to SWER lines. Nonetheless, should 2 x 3 phase switches be proposed for the same pole, the same considerations shall apply for 3 phase lines.

Where the switching points are clearly for different voltages (e.g.: an 11kV LBS and 33kV ABS switch on the same pole), then this requirement can be relaxed as the opportunity for confusion is greatly reduced.

## 4. Existing installations

There is currently no requirement to modify existing arrangements where more than one HV switch exists on a pole. Where the opportunity presents (e.g.: during line modifications for other works), planners/designers are to investigate whether separating the switches onto different poles is practical and add this to their designs.

## 5. Update to Design Standards

OH Design Manuals will be updated with this information in due course.

## 6. Further Information

For further information, please contact -

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