1. Amendment Record

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<th>Version</th>
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<td>Initial</td>
<td>12/02/2020</td>
<td>Shaun Ferguson</td>
<td>New technical instruction for EQL disconnectors. Replaces disconnector section of EGX TSD0058f.</td>
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<tr>
<td>Rev b</td>
<td>15/5/2020</td>
<td>John Lansley</td>
<td>Explanation of changes to PLP 36kV disconnector</td>
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2. Introduction

This Technical Instruction lists the disconnectors currently available for use in substation projects. These items should be used for all new projects and retrofit projects where practicable.

Other items may be available on special order; however, approval for purchase and use must first be gained from the Substations Standards department.

3. General

3.1. Selection Guide

The selection guide can be found by the following link:

https://energyqonline.sharepoint.com/x:/r/sites/SubstationStandards/Types%20of%20Plant%20Documents%20Selection%20Guides/10550%20Selection%20Guide.xlsx?d=w04e8f5b2b95143efad918f828cd66e54&csf=1&e=SWGCI9

There are two tabs, selection guide and sheet 1. The selection guide tab has all the individual stock codes for each item and the drawing numbers associated with them. Sheet 1 shows the drawing numbers and stock codes for each disconnector configuration.

3.2. Changes from previous

Items and stock codes are now common across the state, this has created some changes in the way that disconnectors are ordered:

South East: All disconnector heads include the post insulators. PLP 36kV disconnectors have changed from previous Energex contract 10226:

- Pole spacings between insulators of same phase are 750mm vs 925mm on previous contract, making more compact, and bolt down patterns are different.
- Operating handle comes down the outside of the structure rather than the inside
- New auxiliary contact terminal box near handle
- Unit to come fully assembled.
- Structure supplied from PLP 4 legged structure, with earthing handles on diagonally opposite legs.
Because of these changes previous Energex 2 legged structure (drawing LOSTD-ST033-05) will not be suitable for use with PLP items on the new contract. PLP are planning to provide adaptor plates and brackets should we need to retrofit a new contract item to an existing structure if required, contact Substation Standards if further information required.

North/South: Separate stock codes have been created for the disconnector heads, earth switches and support structures.

4. Further Information

For further information, please contact Shaun Ferguson, 07 3851 6715, shaun.ferguson@energyq.com.au