

# QUALITY ALERT!



8 Aug 2018

## 11 – 33kV Cable Termination Installation Standards

### NEW REQUIREMENT

Transpower expects cable jointers who install 11–33kV cable **joints and terminations** for Transpower to be **aware** of and **comply** with requirements detailed in a new standard unless approval is obtained from Transpower to do otherwise.

**TP.CS 04.01 11 – 33 kV XLPE Power Cable Terminations and Joints Installation** specifies industry **good practices** and special **tools** to be used when **preparing cables** for the installation of joints and terminations, and is available on [www.transpower.co.nz](http://www.transpower.co.nz) under

> Contractors/consultants > Controlled Documents – Stations.

### ACTIONS TAKEN AND WHY:

Several quality alerts have been issued in relation to **ongoing** workmanship **issues** causing premature **failure** of 11-33kV cable terminations over the last 12 months, as a result:

**From 1st August 2018**, Cuthbert Stewart Ltd, Transpower’s current period supply contract supplier, will be providing training, assessment and certification process for Nexans 11 – 33kV cable joints and terminations.

**From 1st November 2018**, all cable jointers must:

- Have completed the full product specific training, and
- Have been assessed by the Supplier or Manufacturer and have been deemed competent, and
- Be experienced installing terminations or joints on the same cable size and voltage.

**From 1st July 2021**, onwards, all cable jointers must also be registered with the NZ Electrical Workers Registration Board (EWRB) as a cable jointer.

Photo #1 - Screen cut area:



Photo #2 – Seal Lug



Photo #3 – Front view of the complete termination



Photo #1 - Screen cut area:



Photo #2 – Dry Graphite applied



Photo #3 – Compression cone and insulating part installed



### OUTCOMES EXPECTED:

Improved services to our Customers through

- Focus on qualifications and competency of cable jointers installing Transpower 11 – 33kV cable joints and terminations.
- Embedding of good work practices for 11 – 33kV cable joints and terminations
- Improved records for cable assets in Maximo, the cable jointer’s work record, and GIS cable route records.

### WHAT WE NEED FROM YOU

- Your company should contact Cuthbert Stewart directly to arrange training and assessment.  
Cuthbert Stewart Contact Person: Vaughan Evans  
Email: [VaughanE@csl-online.nz](mailto:VaughanE@csl-online.nz)  
Mobile: +6421380104
- It is **essential** that cable joints and terminations are installed using correct methods as defined in: TP.CS 04.01 [https://www.transpower.co.nz/system/files/controlled-documents/CS%2004.01\\_0.pdf](https://www.transpower.co.nz/system/files/controlled-documents/CS%2004.01_0.pdf)



Quality Alert REF No : 2018-010

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