

**STANDARDS BULLETIN No : S12-067**

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**SUBJECT:** Two piece spliced pole and associated improved construction methodology.

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**Purpose:**

- Introduction of new 10.5, 12 & 13.5 metres – B, C & D size two piece spliced poles.
- Improved setup and installation of two piece spliced pole base.
- Improved bolt tension method that achieves the tension consistently for these structural bolt assemblies.

**Reason:**

A review is being completed on the standard two piece pole which concluded with the introduction of the two piece spliced pole. The two piece spliced pole is an optimised design and its application is preferred compared with the standard two piece pole. The principle application of the two piece spliced pole is for brownfield site inter-pole replacement.

The design and structural performance of the two piece spliced pole has been optimised. To achieve the required structural specification it is critical that the bolt tension is achieved. In consultation with select service delivery simple work method with special tooling (impact torque wrench, load indicating washers) has been developed to achieve the necessary bolt tension and consistent result.

**Requirements:**

The two piece spliced pole and associated improved construction methodology shall be adopted as the preferred pole for brownfield sites after existing standard two piece flanged pole stock is exhausted.

**Implementation:**

The change has been rolled out in NT southern region and Darwin, a demonstration workshop is to be scheduled for Katherine soon. Standard drawings and related documents for the two piece spliced pole are:

S01-1-1-31 to S01-1-1-36: Two piece Spliced pole material drawings

S01-2-1-69: Two piece spliced pole top and base installation

S01-4-4-01: 'PN pole installation procedure (civil works).pdf'