

Electrical Distribution Safety

TECHNICAL AWARENESS – GUY INSULATORS

Through the Due Diligence Inspection process and discussions with various stakeholders, ESA is releasing the following bulletin regarding the placement of guy insulators. LDCs are encouraged to use this bulletin to highlight the importance of correct guy insulator placement. In the event of an energized guy wire, safety risks and equipment damage are reduced by these insulators. In addition, initial correct insulator placement may prevent future make-ready work with the addition of 3rd Party attachments.

CSA EXCERPT (C22.3 No.1-10)

4.2.7.3 Use of guy insulators

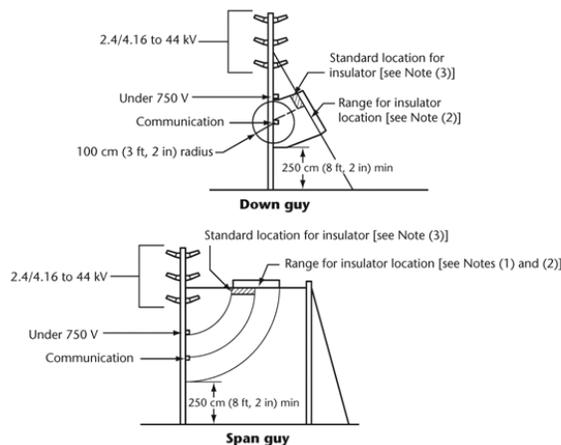
Where a guy could fail and come in contact with the supply conductors of the structure to which it is attached, only one insulator location shall be required.

Where the guy could come in contact with the supply conductors of a separate supply line, two insulator locations shall be placed so as to include the exposed section of the guy between them.

The guy insulator(s) shall be located so that, in the event of a guy failure, the location of the insulator(s) will not be less than 2.5 m above the ground or accessible surface.

ONTARIO ELECTRICAL SAFETY CODE (OESC) EXCERPT

Most LDC's standards are in general alignment with the OESC with respect to the placement of guy insulators. The typical range of insulator placement is for insulators to fall between the distribution system and the communications system under broken guy conditions. The OESC Specification is provided below.



ESA RECOMMENDS

ESA recommends that LDCs engage field staff to ensure guy insulators are installed as per standard. Initial, proper insulator installation placement can help ensure a safe installation, mitigate equipment damage and prevent future make-ready work with the addition of 3rd Party attachments.

ADDITIONAL INFORMATION

If you can provide additional information on this Bulletin or any other Utility issue, please contact ESA to share your experiences. Additional information requests, and follow-up information, may be directed to ESA. Please be prepared to quote Bulletin "DSB-01/11".