



**NACE International and IEEE
Joint Standard Practice for**

**Below-Grade Inspection and Assessment of
Corrosion on Steel Transmission, Distribution,
and Substation Structures**

Approved
2014-12-10 (IEEE)
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NACE International
15835 Park Ten Place
Houston, Texas 77084-5145
+1 281-228-6200

IEEE
3 Park Ave., 17th Floor
New York, NY 10016-5997
+1 212-419-7900

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Below-Grade Inspection and Assessment of Corrosion on Steel Transmission, Distribution, and Substation Structures

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Transmission and Distribution (PE/T&D/TPC-corrosion)
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NACE SP0415/IEEE Std 1895™-2014

Abstract: This NACE/IEEE joint standard provides requirements to (1) help electric utilities identify structures that may be at a high risk for below-grade corrosion; (2) excavate and inspect the selected structures; (3) categorize the condition of structures based on corrosion degradation; (4) prioritize structures requiring additional inspection based on those findings; and (5) help identify next steps as required. The standard is limited to the inspection and assessment of steel transmission towers, poles, and substation structures, to include galvanized, self-weathering, and painted mild steel structures, as well as other similar structures.

Key words: below-grade corrosion, below-grade steel, carbon steel, corrosion control, corrosion, data collection, electric transmission, galvanized steel, IEEE 1895, inspection, SP0415, substation

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IEEE
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NACE International
15835 Park Ten Place
Houston, TX 77084-5145, USA
+1 281-228-6200

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445 Hoes Lane
Piscataway, NJ 08854
USA

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