



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

**Atmospheric (Above Grade) Corrosion
Control of Existing Electric Transmission,
Distribution, and Substation Structures
by Coating Systems**

Approved
2014-12-10 (IEEE)
2015-01-28 (NACE)

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Atmospheric (Above Grade) Corrosion Control of Existing Electric Transmission, Distribution, and Substation Structures by Coating Systems

Administered by

NACE Specific Technology Group (STG) 41,
“Electric Utility Generation, Transmission, and Distribution

Approved 2015-01-28

NACE Board of Directors

Sponsor

Transmission and Distribution (PE/T&D/TPC-corrosion)
of the
IEEE Power and Energy Society

Approved 2014-12-10

IEEE-SA Standards Board

NACE International and IEEE

NACE SP0315-2015/IEEE Std 1835™-2014

Abstract: This standard was prepared to assist personnel responsible for maintenance painting of above-grade electrical support structures for electric utilities and large industrial facilities. The standard provides procedures to (1) assess structures for atmospheric corrosion; (2) assess the level of risk to the structure in terms of corrosion attack and degradation to the existing coating system; (3) make informed decisions based on those findings as to whether coating repair is needed, and if so, to what extent; and (4) apply repair coatings to the structure if applicable. This standard applies to the repair of above-grade atmospheric coatings and serves as a resource for preparing specifications to achieve the successful coating of utility structures.

Keywords: above grade, acrylics, alkyds, atmospheric, carbon steel, coatings, coating systems, coating repair systems, corrosion, corrosion control, distribution, electric, epoxy esters, galvanized steel, IEEE 1835, long-oil zincs, silicone alkyds, single-component steel, SP0315, substation, transmission

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NACE PDF/PRINT: ISBN 1-57590-309-1 Item No. 21188-SG/21188
IEEE PDF: ISBN 978-0-7381-9446-2 STD20051

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