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Standard Guide for Painting Inspectors (Metal Substrates)¹

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1. Scope

1.1 This guide is intended as an information aid to painting inspectors in carrying out their task efficiently. It includes the key elements of surface preparation, coatings application, and final approval for both field and shop work. The items should be selected that are pertinent to the specification of a particular job.

NOTE 1—For additional helpful information, refer to the following documents:

*Manual of Coating Work for Light-Water Nuclear Power Plant Primary Containment and Other Safety-Related Facilities*²

*New Concepts for Coating Protection of Steel Structures*³

D16 Terminology for Paint, Related Coatings, Materials, and Applications⁴

D4538 Terminology Relating to Protective Coatings and Lining Work for Power Generation Facilities⁴

Steel Structures Painting Manual Vol 1 Good Painting Practice⁵

Steel Structures Painting Manual Vol 2 Systems and Specifications⁵

Manufacturers Specifications and Instructions (made available to the inspector for reference to special requirements for proper application)

Safety Data Sheets (needed to ensure that personnel take necessary precautions in handling hazardous materials). Available from Materials manufacturer.

1.2 Certain industries or owners may require certified inspection personnel. See Guide **D4537** for establishing procedures to certify inspectors for coatings work in nuclear facilities.

1.3 The values stated in SI units are to be regarded as the standard. The values given in parentheses are for information only.

¹ This guide is under the jurisdiction of ASTM Committee **D01** on Paint and Related Coatings, Materials, and Applications and is the direct responsibility of Subcommittee **D01.46** on Industrial Protective Coatings.

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² ASTM, 1979.

³ ASTM STP 841, ASTM, 1984.

⁴ For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

⁵ Available from Association for Materials Protection and Performance (AMPP), 15835 Park Ten Place, Houston, TX 77084, <https://www.ampp.org>.

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