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Standard Guide for Establishing Qualifications for a Nuclear Coatings Specialist¹

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1. Scope

1.1 This guide delineates recommendations for development of procedures and criteria for designation of an individual as a Nuclear Coatings Specialist involved in coating work in nuclear facilities. The Nuclear Coatings Specialist is responsible for the technical aspects of the safety-related coatings program in a nuclear facility or organization, which includes establishing processes and quality control requirements.

1.2 This guide details the guidance provided in Guide [D5144](#), and EPRI Report 1019157.

1.3 It is the intent of this guide to provide several alternatives for designation of personnel as Nuclear Coatings Specialists.

1.4 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory requirements prior to use.*

2. Referenced Documents

2.1 ASTM Standards:²

[D4537](#) Guide for Establishing Procedures to Qualify and Certify Personnel Performing Coating and Lining Work Inspection in Nuclear Facilities

[D4538](#) Terminology Relating to Protective Coating and Lining Work for Power Generation Facilities

[D5144](#) Guide for Use of Protective Coating Standards in Nuclear Power Plants

2.2 ANSI/ASME Codes and Standards:³

[ANSI/ASME N45.2.6](#) Qualifications of Inspection, Examination and Testing Personnel for Nuclear Power Plants

¹ This guide is under the jurisdiction of ASTM Committee [D33](#) on Protective Coating and Lining Work for Power Generation Facilities and is the direct responsibility of Subcommittee [D33.04](#) on Quality Systems and Inspection.

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² 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.

³ Available from American National Standards Institute (ANSI), 25 W. 43rd St., 4th Floor, New York, NY 10036, <http://www.ansi.org>.

2.3 Electric Power Research Institute (EPRI):⁴

[EPRI Report 1019157](#) Guidance on Nuclear Safety-Related Coatings, Revision 2 (formerly TR-109937 and 1003102), December 2009

2.4 Code of Federal Regulations (CFR):⁵

[10CFR21](#) Reporting of Defects and Nonconformance
[10CFR50.59](#) Changes, Tests and Experiments

3. Terminology

3.1 *Definitions*—Definitions for use with this standard are shown in Terminology [D4538](#) or other applicable standards.

3.2 Definitions of Terms Specific to This Standard:

3.2.1 *safety-related coatings program, n*—the systematic and planned activities conducted at a nuclear power plant to ensure that the safety-related coatings and linings perform all of their design functions.

4. Significance and Use

4.1 This guide applies to personnel technically responsible for the safety-related coatings program.

4.2 It is the responsibility of each nuclear facility or organization participating in a safety-related coatings program to ensure that only those personnel within their respective organizations who meet the requirements of this guide are designated as Nuclear Coatings Specialists.

5. General Duties and Responsibilities of a Nuclear Coatings Specialist

5.1 The duties of a Nuclear Coatings Specialist should be detailed in the facility safety-related coatings program and typically may include, but are not limited to:

5.1.1 Developing and managing the safety-related coatings program,

5.1.2 Developing and maintaining coatings and linings inspection criteria,

⁴ Available from Electric Power Research Institute, 3420 Hillview Ave., Palo Alto, CA 94304, <http://www.epri.com>.

⁵ Available from U.S. Government Printing Office Superintendent of Documents, 732 N. Capitol St., NW, Mail Stop: SDE, Washington, DC 20401, <http://www.access.gpo.gov>.