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Standard Guide for Developing a Training Program for Coating Work Inspectors in Nuclear Facilities¹

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1. Scope

1.1 This guide is intended to assist those responsible for developing a program for the indoctrination and training of inspection personnel for coating work in nuclear facilities.

1.2 It is recognized that organizations and job responsibilities vary widely among utilities and also among various support and service companies. Portions of the program may not be applicable in all cases. Therefore, it is the responsibility of each company to identify the appropriate subject matter for its organization and its site specific needs.

2. Referenced Documents

2.1 ASTM Standards:

- D 16 Terminology for Paint, Related Coatings, Materials, and Applications²
- D 1005 Test Methods for Measurement of Dry-Film Thickness of Organic Coatings Using Micrometers²
- D 1186 Test Methods for Nondestructive Measurement of Dry Film Thickness of Nonmagnetic Coatings Applied to a Ferrous Base²
- D 1400 Test Method for Nondestructive Measurement of Dry Film Thickness of Nonconductive Coatings Applied to a Nonferrous Metal Base²
- D 2092 Guide for Preparation of Zinc-Coated Galvanized Steel Surfaces for Paint³
- D 2240 Test Method for Rubber Property—Durometer Hardness⁴
- D 2583 Test Method for Indentation Hardness of Rigid Plastics by Means of a Barcol Impressor⁵
- D 3276 Guide for Painting Inspectors (Metal Substrates)³
- D 3359 Test Method for Measuring Adhesion by Tape Test²
- D 3363 Test Method for Film Hardness by Pencil Test²
- D 3925 Practice for Sampling Liquid Paints and Related Pigment Coatings²
- D 4138 Method for Measurement of Dry Film Thickness of Protective Coating Systems by Destructive Means³

- D 4212 Test Method for Viscosity by Dip-Type Viscosity Cups²
- D 4214 Test Method for Evaluating Degree of Chalking of Exterior Paint Films²
- D 4258 Practice for Surface Cleaning Concrete for Coating³
- D 4259 Practice for Abrading Concrete³
- D 4260 Practice for Acid Etching Concrete³
- D 4261 Practice for Surface Cleaning Concrete Unit Masonry for Coating³
- D 4262 Test Method for pH of Chemically Cleaned or Etched Concrete Surfaces³
- D 4263 Test Method for Indicating Moisture in Concrete by the Plastic Sheet Method³
- D 4285 Test Method for Indicating Oil or Water in Compressed Air³
- D 4414 Practice for Measurement of Wet Film Thickness by Notched Gages²
- D 4417 Test Method for Field Measurement of Surface Profile of Blast Cleaned Steel³
- D 4537 Guide for Establishing Procedures to Qualify and Certify Inspection Personnel for Coating Work in Nuclear Facilities³
- D 4538 Terminology Relating to Protective Coating and Lining Work for Power Generation Facilities³
- D 4541 Test Method for Pull-Off Strength of Coatings Using Portable Adhesion-Testers³
- D 4610 Guide for Determining the Presence of and Removing Microbial (Fungal or Algal) Growth on Paint and Related Coatings²
- D 4752 Test Method for Measuring MEK Resistance of Ethyl Silicate (Inorganic) Zinc-Rich Primers by Solvent Rub³
- D 4787 Practice for Continuity Verification of Liquid or Sheet Linings Applied to Concrete Substrates³
- D 4940 Method for Conductimetric Analysis of Water Soluble Ionic Contamination of Blasting Abrasives³
- D 5162 Practice for Discontinuity (Holiday) Testing of Nonconductive Protective Coating on Metallic Substrates³
- E 337 Test Method for Measuring Humidity with a Psychrometer (the Measurement of Wet-Bulb and Dry-Bulb Temperatures)⁶

¹ This guide is under the jurisdiction of ASTM Committee D-33 on Protective Coating and Lining Work for Power Generation Facilities and is the direct responsibility of Subcommittee D33.04 on Inspection.

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² Annual Book of ASTM Standards, Vol 06.01.

³ Annual Book of ASTM Standards, Vol 06.02.

⁴ Annual Book of ASTM Standards, Vol 09.01.

⁵ Annual Book of ASTM Standards, Vol 08.02.

⁶ Annual Book of ASTM Standards, Vol 11.03.