



Standard Specification for Agencies Performing Nondestructive Testing¹

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This specification has been approved for use by agencies of the Department of Defense.

1. Scope

1.1 This specification covers minimum requirements for agencies performing nondestructive testing (NDT).

1.2 When using this specification to assess the capability of, or to accredit NDT agencies, Guide E 1359 shall be used as a basis for the survey. It can be supplemented as necessary with more detail in order to meet the auditor's specific needs.

1.3 This specification can be used as a basis to evaluate testing or inspection agencies, or both, and is intended for use for the qualifying or accrediting, or both, of testing or inspection agencies, public or private.

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 limitations prior to use.*

2. Referenced Documents

2.1 ASTM Standards:²

- E 94 Guide for Radiographic Examination
- E 114 Practice for Ultrasonic Pulse-Echo Straight-Beam Examination by the Contact Method
- E 125 Reference Photographs for Magnetic Particle Indications on Ferrous Castings
- E 127 Practice for Fabricating and Checking Aluminum Alloy Ultrasonic Standard Reference Blocks
- E 164 Practice for Ultrasonic Contact Examination of Weldments
- E 165 Test Method for Liquid Penetrant Examination
- E 213 Practice for Ultrasonic Examination of Metal Pipe and Tubing

- E 214 Practice for Immersed Ultrasonic Testing by the Reflection Method Using Pulsed Longitudinal Waves³
- E 215 Practice for Standardizing Equipment for Electromagnetic Examination of Seamless Aluminum-Alloy Tube
- E 243 Practice for Electromagnetic (Eddy-Current) Examination of Copper and Copper-Alloy Tubes
- E 273 Practice for Ultrasonic Examination of the Weld Zone of Welded Pipe and Tubing
- E 309 Practice for Eddy-Current Examination of Steel Tubular Products Using Magnetic Saturation
- E 317 Practice for Evaluating Performance Characteristics of Ultrasonic Pulse-Echo Testing Instruments and Systems without the Use of Electronic Measurement Instruments
- E 376 Practice for Measuring Coating Thickness by Magnetic-Field or Eddy-Current (Electromagnetic) Examination Methods
- E 426 Practice for Electromagnetic (Eddy-Current) Examination of Seamless and Welded Tubular Products, Austenitic Stainless Steel and Similar Alloys
- E 427 Practice for Testing for Leaks Using the Halogen Leak Detector (Alkali-Ion Diode)
- E 428 Practice for Fabrication and Control of Metal, Other than Aluminum Reference, Blocks Used in Ultrasonic Examination
- E 431 Guide to Interpretation of Radiographs of Semiconductors and Related Devices
- E 432 Guide for Selection of a Leak Testing Method
- E 433 Reference Photographs for Liquid Penetrant Inspection
- E 479 Guide for Preparation of a Leak Testing Specification
- E 493 Test Methods for Leaks Using the Mass Spectrometer Leak Detector in the Inside-Out Testing Mode
- E 494 Practice for Measuring Ultrasonic Velocity in Materials
- E 498 Test Methods for Leaks Using the Mass Spectrometer Leak Detector or Residual Gas Analyzer in the Tracer Probe Mode

¹ This specification is under the jurisdiction of ASTM Committee E07 on Nondestructive Testing and is the direct responsibility of Subcommittee E07.09 on Nondestructive Testing Agencies.

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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 Withdrawn.