



Designation: F2974 – 19

Standard Practice for Auditing Amusement Rides and Devices¹

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1. Scope

1.1 This practice establishes minimum requirements for auditing conformance to ASTM Committee F24 Standards during an audit of an amusement ride or device within a defined scope.

1.2 *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, health, and environmental practices and determine the applicability of regulatory limitations prior to use.*

1.3 *This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.*

2. Referenced Documents

2.1 *ASTM Standards:*²

[F747 Terminology Relating to Amusement Rides and Devices](#)

[F770 Practice for Ownership, Operation, Maintenance, and Inspection of Amusement Rides and Devices](#)

[F1159 Practice for Design of Amusement Rides and Devices that are Outside the Purview of Other F24 Design Standards](#)

[F1193 Practice for Quality, Manufacture, and Construction of Amusement Rides and Devices](#)

[F2291 Practice for Design of Amusement Rides and Devices](#)

2.2 *ASNT Document:*³

[ASNT-SNT-TC-1A Recommended Practice Personnel Qualification and Certification in Nondestructive Testing](#)

¹ This practice is under the jurisdiction of ASTM Committee F24 on Amusement Rides and Devices and is the direct responsibility of Subcommittee F24.30 on Maintenance 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 Society for Nondestructive Testing (ASNT), P.O. Box 28518, 1711 Arlingate Ln., Columbus, OH 43228-0518, <http://www.asnt.org>.

2.3 *AWS Standard:*⁴

[AWS B5.1 Specification for the Qualification of Welding Inspectors](#)

2.4 *ISO Standard:*⁵

[ISO 9712 Non-destructive testing – Qualification and certification of personnel](#)

3. Terminology

3.1 Reference Terminology [F747](#).

4. Significance and Use

4.1 The purpose of this practice is to provide the minimum auditing requirements for audits of amusement rides and devices.

4.2 An audit can include inspections, evaluations, or examinations during the design, manufacturing, installation, commissioning, operation, or major modification of an amusement ride or device.

4.3 When audits are performed, they shall occur during the relevant stages of an amusement ride or device's design, manufacture, installation, commissioning or major modification. This practice does not require recurring design, manufacturing, installation, commissioning, or major modification audits.

5. General

5.1 Auditor(s) shall have sufficient relevant education, experience, and training to properly audit an amusement ride or device as defined in this standard.

5.1.1 Evidence of auditor(s) relevant education, experience, and training shall be made available upon request by party(ies) requesting the audit.

5.1.2 Auditor(s) shall read and become familiar with contents of the applicable referenced documents.

5.1.3 When visual inspections are required by the defined scope of work, the auditor(s) shall have:

⁴ Available from American Welding Society (AWS), 8669 NW 36 St., #130, Miami, FL 33166-6672, <http://www.aws.org>.

⁵ Available from International Organization for Standardization (ISO), ISO Central Secretariat, BIBC II, Chemin de Blandonnet 8, CP 401, 1214 Vernier, Geneva, Switzerland, <http://www.iso.org>.