

ASTM Overview

The core standards under ASTM F24 are as follows:

F2137 Standard Practice for Measuring the Dynamic Characteristics of Amusement Rides and Devices.

F747 Standard Terminology Relating to Amusement Rides and Devices

F1193 Standard Practice for Quality, Manufacture, and Construction of Amusement Rides and Devices

F2291 Standard Practice for the Design of Amusement Rides and Devices

F2974 Standard Practice for Auditing Amusement Rides and Devices

F770 Standard Practice for Ownership, Operation, Maintenance, and Inspection of Amusement Rides and Devices.

A manufacturing audit reviews conformance to Practice F1193 which is Standard Practice for Quality, Manufacture, and Construction of Amusement Rides and Devices (F2974-19: 7.1)

A commissioning audit is performing an inspection of equipment condition per Section 9 through 13 of Practice F1193 against the Standard Practice for Quality, Manufacture, and Construction of Amusement Rides and Devices and then reviewing conformance to Practice F770 the Standard Practice for Ownership, Operation, Maintenance, and Inspection of Amusement Rides and Devices. (F2974-19: 8.1.1 and 8.1.2)

When doing a Major modification audit, you are confirming that all documents pertaining to the modification were included in the supporting documentation needed to properly train, inspect, maintain, and operate the ride or device per the design requirement as well as review conformance of the operational functionality as it complies with the operational specifications provided by the engineer, designer, or manufacturer as per Practice F1193. (F2974-19: 9.2.5 and 9.2.6)

Lastly, a compliance audit is an audit that is done annually. This audit is a review of conformance to owner/operators operations maintenance training and Inspection program per section 5 and 8 of F2959. Also a review of conformance of documentation, operational functionality per specifications in section 8 of F2959. (F2959-19: 7.2, 7.2.2, and 7.2.3).