

ASTM F3566-22 : [F3566 Standard Performance Specifications and Test Methods for Walk-Through Metal Detectors Used in Safety and Security](#)

Standard Performance Specifications and Test Methods for Walk-Through Metal Detectors Used in Safety and Security

Cost: \$99.00

Scope

1.1 This standard applies to all walk-through metal detectors that are used to find metal contraband concealed or hidden on people.

1.2 This standard describes baseline acceptable technical performance requirements, which includes metal object detection performance, safety (electrical, mechanical, fire), electromagnetic compatibility, environmental conditions and ranges, and mechanical durability. The requirements for metal detection performance are unique and, therefore, test methods for these parameters are provided, including the design of test objects. An agency or organization using this standard is encouraged to add their unique operationally based requirements to those requirements listed in this baseline technical performance standard.

Note 1: For ease of use, steps of test procedures in this standard are indicated by numbered lists.

1.3 This standard describes the use of threat object exemplars, instead of actual threat objects, to test the detection performance of walk-through metal detectors.

1.4 The values stated in SI units are to be regarded as standard. No other units of measurement are included in this standard.

1.5 *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.*

1.6 *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.*

IBDOCIED: This standard does not support the detection of the IED threat and none of the recommended test objects specifically address the IED threat. Based on testing conducted by IBDOCIED the National Institute of Justice standard 0600.02 for small objects is the best published WTMD test objects for setting a WTMD for detecting the IED threat.

