



Standard Test Method for Timed Evaluation of Forced-Entry-Resistant Systems¹

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1. Scope

1.1 This test method sets forth the requirements and testing procedures to test forced-entry-resistant building components, construction components, and specialty security equipment. This test method is intended primarily for manufacturers to test and rate their windows, doors, modular panels, glazings, louvers, walls, seismic joints, roofs, roof hatches, grilles, and similar products to ensure that all manufactured products meet the necessary requirements for forced-entry protection.

1.2 This test method is currently designed to simulate a spontaneous mob using readily available hand tools as the primary threat for forced entry.

1.3 In order to receive a rating, all portions of the tested specimen must meet or exceed the test level.

1.4 Systems are required to be tested as complete units in a test frame or fielded conditions. Mullled systems must be tested in the mullled condition. Test results only apply to the component or system as tested. Once a system is tested and deemed to satisfy the requirements of this test method, no design change can be made without a retest.

1.5 *Units*—The values stated in this standard are SI units with the exception of the nominal descriptors for tools.

1.6 *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

E631 [Terminology of Building Constructions](#)

E2771 [Terminology for Homeland Security Applications](#)

F1915 [Test Methods for Glazing for Detention Facilities](#)

2.2 Other Standards:

SD-STD-01.01 [Forced-Entry and Ballistic-Resistance of Structural Systems, Rev. G \(Amended\)](#)³

ISO/IEC 17025:2005 [General Requirements for the Competence of Testing and Calibration Laboratories](#)⁴

3. Terminology

3.1 Definitions of Terms Specific to This Standard:

3.1.1 *component*—integral part of a forced entry test specimen such as: panels, frame, glazing, glazing bite, flanges, hinges, locks, jamb/wall, jamb/strike mullions, and mounting devices of different shape, size, and material.

3.1.2 *door, double*—two-door assembly with an opening twice as wide as a single door with a common latch and lock edge.

3.1.3 *independent test facility*—testing laboratory accredited to perform the referenced testing procedures by a nationally recognized accrediting agency in accordance with ISO/IEC 17025.

3.1.4 *individual systems*—individual doors, windows, louvers, hatches, grilles, or wall panels. The doors, windows, and panels may have one transparency or two or more transparencies separated with a mullion.

3.1.5 *louvers*—angled and gapped slats which permit the passage of air through an otherwise impassable barrier. While louvers usually are rigidly constructed, the slats may be moveable to seal off air passage.

3.1.5.1 *manufacturer-delivered systems*—includes both individual and mullled systems.

3.1.6 *mullion*—a component used to divide two parts of the same system and it can be vertical or horizontal, movable or fixed. For purposes of this test method, a mullion does not include steel or concrete structural members (including seismic joints) which are present in the building.

3.1.7 *mullled*—the physical connection together of two parts of the same system. The two systems may be anchored directly to each other or have a mullion between them.

¹ This test method is under the jurisdiction of ASTM Committee F12 on Security Systems and Equipment and is the direct responsibility of Subcommittee F12.10 on Systems Products and Services.

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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 U.S. Government Printing Office Superintendent of Documents, 732 N. Capitol St., NW, Mail Stop: SDE, Washington, DC 20401, <http://www.access.gpo.gov>.

⁴ Available from International Organization for Standardization (ISO), 1, ch. de la Voie-Creuse, CP 56, CH-1211 Geneva 20, Switzerland, <http://www.iso.org>.