



**Summary of Substantive Changes
between the updates dated September 27, 2013 and September 17, 2014 of
UL 197 “Safety Commercial Electric Cooking Appliances”
(10th edition, dated March 17, 2010)**

Presented to the IAPMO Standards Review Committee on August 11, 2015

General: The changes to this standard may have an impact on currently listed products. The significant changes are:

- Added additional requirements for doors intended for entrance of persons into the heated compartment of an appliance (see Sections 5A.9, 65A and 65B).
- Expanded the scope of the standard to include commercial electric cooking appliances for outdoor use (see Part 7).

Section 5A.9, Door latch release: Updated the referenced standards as follows: Added additional requirements for doors intended for entrance of persons into the heated compartment of an appliance as follows:

5A.9.1 Unless provided with other means of exit, door(s) intended for entrance of persons into the heated compartment of an appliance; including a door panel assembly door, shall be able to be opened from the inside by a force applied outwardly to the door or to a release actuator. Doors shall comply with the Door Opening Test, 65B. In addition, doors with an interior latch release device shall comply with the Door Latch Release Test, 65A.

5A.9.2 If the door is provided with a key lock, it shall be constructed such that the lock can be opened from the interior without using a key or tool.

5A.9.3 Interior latch release actuators shall function with the appliance in its intended operating position and shall be operable from all spaces that are directly accessible when the door(s) is opened.

5A.9.4 A latch release device shall not depend on an electrical source for operation.

5A.9.5 A latch release device shall be constructed so that spillage of foods, or cleaning in accordance with the manufacturer’s recommendations will not affect compliance with the requirements of the Door Latch Release Test, Section 65A.D5947 Test Methods for Physical Dimensions of Solid Plastics Specimens D6988 Guide for Determination of Thickness of Plastic Film Test Specimens

Section 65A, Door Latch Release Test: Added a new test for the door latch release device of walk-in appliances as follows:

65A.1 An interior latch release device of a walk-in appliance, or door panel assembly door (see 5A.9.1) shall release with a force of 15 pounds (66.7 N) or less, applied at the rate of 3 to 4 pounds (13.4 to 17.8 N) per second.

65A.2 When the force required to release the door latch is intended to be applied to an interior bar, lever, or similar actuator, the force is to be applied to this actuator.

65A.3 Components of a latch release mechanism that permit the door to open as a result of a force applied to an actuator shall not break, crack, or permanently deform from the application of 50



successive 20 pounds (88.9 N) pushing operations followed by 50 successive 20 pound pulling operations (when either or both are applicable, depending on the component construction).

Section 65B, Door Opening Test: Added a new test for the door of walk-in appliance, or door panel assembly as follows:

65B.1 The door of a walk-in appliance, or door panel assembly (see 5A.9.1) shall open when a force of 50 pounds (220 N) is applied.

65B.2 The force is to be applied at a rate of 3 – 4 lbs (13.4 – 17.8 N) per second until the door opens.

65B.3 When a door latch release mechanism is employed, the force is to be applied to the door within 12 inches (30 cm) of the interior latch release mechanism. The door opening test is conducted after the Door Latch Release Test, 65A.

65B.4 When a door latch release mechanism is not employed, the release force measurements are to be made by means of a force gauge at each of three points on the inside of the door or door liner edge on the side opposite the hinges. One point is to be near the top of the door, one point near the bottom of the door, and one point midway between these two points. The force measurements may be made at points on the outer door surface corresponding to the three internal points.

65B.5 When the test in 65B.1 is applied to a door with an adjustable spring closing or counterbalancing mechanism, the mechanism is to be adjusted to the position requiring maximum opening force.

Part 7, Commercial Cooking Appliances for Outdoor Use: The following sections were added to include commercial electric cooking appliances for outdoor use as follows:

141 Scope

142 Glossary

143 Cord Connected

144 Field Wiring Connected

145 Enclosures

146 Corrosion Protection of Enclosures Exposed to Weather

147 General

148 Rain Test

149 Metallic Coating Thickness Test

150 Cold Impact

151 Accelerated Aging Tests

152 Ultraviolet Light Exposure

153 Water Exposure and Immersion

154 Markings

155 Installation Instructions