

## STANDARD INFORMATION

**Standard:** UL 962

**Standard ID:** Household and Commercial Furnishings [UL 962:2014 Ed.4+R:12Jan2021]

**Previous Standard ID:** Household and Commercial Furnishings [UL 962:2014 Ed.4+R:06May2019]

## EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

**Effective Date:** **July 12, 2023**

## IMPACT, OVERVIEW, AND ACTION REQUIRED

**Impact Statement:** Per our accreditation, Intertek is required to review reports against the standard revisions to confirm compliance. Once compliance is confirmed, the standard reference in the report is updated to show continued compliance to the technical requirements of the standard. Reports not updated to this version by the effective date above will be withdrawn.

### Overview of Changes:

- Addition Of Requirements For Furnishings With Plumbing Fixtures And Rooms Or Booths With A Ceiling
- Addition Of New Service Area Requirements
- Revisions To Specific Loading Test Method Requirements To Include The Weight Of a Bed Foundation And / Or Mattress
- Addition Of Marking Requirements To Specify Marking For Specific Foundation And Mattress Combinations

Specific details of new/revise requirements are found in table below.

***Current Listings Not Active? – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records. We will do this at no charge as long as Intertek is notified in writing prior to the review of your reports.***



## STANDARD INFORMATION

CLAUSE	VERDICT	COMMENT
		<i>Additions to existing requirements are <u>underlined</u> and deletions are shown <del>lined-out</del> below.</i>
1	Info	<b>Scope</b> <i><b>New clause added;</b></i>
1.7		These requirements do not cover retail case goods or merchandise displays. These displays are covered by the Standard for Retail Fixtures and Merchandise Displays, UL 970.
3	Info	<b>Components</b> <i><b>New clause added;</b></i>
3.11		All plumbing parts shall comply with the appropriate standards, such as the Standard for Plumbing Supply Fittings, ASME A112.18.1.
9	Info	<b>Power-Supply Connections</b>
9.2	Info	<b>Cord-connected furnishing</b> <i><b>New clause added;</b></i>
9.2.19		A power cord run through the interior structure of a furnishing, room-in-room, or booth shall be visible along its length or be able to be visually inspected by removing a cover without the use of tools. The product shall meet the requirements for wiring protection in 17.1.2 and 17.1.3.
9.3	Info	<b>Multiple power supply cords</b>
		Cord connected furnishings shall not be provided with more than one power supply cord unless all of the following conditions are met:
9.3.1		b) Each flexible cord is of the type, size, and rating required for the type of product and the load supplied;  <u>Exception: Furnishings intended for use in commercial or institutional occupancies may be equipped with more than two cords. Also, see 67.13.1.</u>
10	Info	<b>Frame and Enclosure</b>
10.4	Info	<b>Electrical enclosures of polymeric material</b> <i><b>New clause added;</b></i>
10.4.2		A polymeric electrical enclosure powered by or enclosing only low voltage powered components shall comply with the requirements in Supplement SA, Class 2, LPS or SELV or SELV Motor and Heating Circuits in Furnishings.



CLAUSE	VERDICT	COMMENT
		<b><i>New section added;</i></b>
13A		<b>Furnishings Where the User May Contact Water</b>
13A.1		Furnishings where the user may contact water shall be considered wet locations and investigated in accordance with Part 2, Outdoor Furnishings.
13A.2		Cord-connected or remote controls provided with these furnishings shall comply with the requirements for Class 2 circuits where wet contact is likely.
17	Info	<b>Internal Wiring</b>
17.2	Info	<b>Cord used for internal wiring for furnishings (excluding rooms and booths)</b>
17.2.2		Cord may be routed within a furnishing provided that it <u>has a removable cover that does not require tools</u> that allows visual inspection of the cord.
		<b><i>New clause added;</i></b>
17.2.4		When cords are used for internal wiring, the cord does not need to be in a suitable mechanical or electrical enclosure.
24	Info	<b>Receptacles</b>
24.8		For a cord and plug connected furnishing provided with one or more convenient receptacles overcurrent protection shall be provided in accordance with Table 24.1. <u>For a furnishing that has a convenience receptacle and an additional load such as lighting or a fan, OCP must be provided, such that the total rating of the furnishing is not exceeded. (For example, a furnishing rated 12 amps and provided with a light that draws 2 amps shall either have the overall furnishing protected with a 12 amp OCP or the receptacle shall be provided with a 10 amp OCP.)</u>
		<u>Exception: Additional OCP is not required when the receptacle complies with the Standard for Relocatable Power Taps, or that complies with the Standard for Furniture Power Distribution Units, UL 962A.</u>
		<b><i>New section added;</i></b>
25A		<b>Semiconductors and Small Electronic Components</b>
25A.1		A power switching semiconductor device that is relied upon to provide isolation to ground shall comply with the Standard for Electrically Isolated Semiconductor Devices, UL 1557. It shall have been evaluated for a minimum 1500 volts isolation.
25A.2		An optical isolator that is relied upon to provide isolation between primary and secondary circuits or between other circuits as required by this end product standard shall comply with the Standard for Optical Isolators, UL 1577. It shall have been evaluated for a minimum 1500 volts isolation.
28A	Info	<b>Commercial Operator Attended Products – Usage Area III</b>
28A.1		Furnishings in Usage Area III shall comply with Commercial Operator Attended Products – Usage Area II, Section 28, with the following differences:



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		a) A security lockout is not necessary; b) <u>When the speed is less than 1 inch/second (2.54 cm/second), the entrapment area does not have to be visible to the operator;</u> c) The switch referred to in 28.1 (c) may be a memory type switch that allows the furnishing to adjust to a preset position when the operator is present at the control on the furnishing; d) <u>When the speed is less than 1 inch/second (2.54 cm/second), the switch, 28.1(e), does not need to be guarded. This supersedes the requirement in 10.2.14; and</u> e) Shall have the marking specified in 68.5.
		<b><i>New section added;</i></b>
28B		<b>Operator Attended Products – Usage Area IA</b>  See standard for details.
		<b><i>New section added;</i></b>
30A		<b>Controls</b>  See standard for details.
		<b><i>New section added;</i></b>
30B		<b>Abnormal Conditions</b>  See standard for details.
		<b><i>New section added;</i></b>
32B		<b>Immersion Heaters</b>  See standard for details.
		<b><i>New section added;</i></b>
32C		<b>Fluid Connections</b>  See standard for details.
		<b><i>New section added;</i></b>
32D		<b>Rooms or Booths Intended to be Occupied (Booths and Prefabrication Rooms)</b>  See standard for details.



CLAUSE	VERDICT	COMMENT
36	Info	<b>Structural Test Requirements for Furnishings</b>
36.1	Info	<b>General loading</b> <i>New clause added;</i>
36.1.8.1		Furnishings provided with a container that will hold water shall be filled to its capacity with water.
36.2	Info	<b>Specific structural test methods</b>
36.2.1		For a bed, the test weight is to be 500 pounds (227 kg) per intended person. For example, a twin bed is intended for 1 person and a queen bed is intended for 2 people. <u>The test load also includes the weight of a foundation, if applicable, and mattress. See Table 36.2.</u> The weight is to be evenly distributed over the surface. For an articulating bed, the weight shall be distributed as shown in Figure 36.2. The weight shall be applied for 15 minutes. <i>New section added;</i>
37A		<b>Upper Bunk Capsule Cabin Loading Test</b>  See standard for details. <i>New section added;</i>
37B		<b>Upper Bunk Capsule Cabin Elevated Protective Means Torsional Strength Test</b>  See standard for details. <i>New section added;</i>
37C		<b>Separation Test</b>  See standard for details. <i>New section added;</i>
37D		<b>Handrail and Guardrail Test</b>  See standard for details. <i>New section added;</i>
37E		<b>Handrail and Guardrail Test</b>  See standard for details.



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38	Info	<b>Stability Tests</b>
38.2	Info	<p><b>Furnishing stability configuration test requirements</b></p> <p><i>New clause added;</i></p> <p>When testing for partial functional load, the full functional load shall be placed on the furnishing as defined under loading tests specified in Section 36, Structural Test Requirements for Furnishings. Then portions of the load are to be removed so that the furnishing is tested in the least stable position. Examples:</p> <p>a) Rectangular Table with Wheels: With the table on a 10° angle, the portions of the functional load that are on the opposite side of the 10° angle are removed</p> <p>b) Bookcase: With the bookcase on a 2° angle, portions of the functional load on the bottom shall be removed first, and then the lowest shelf load shall be removed. Each shelf shall be unloaded until only the highest load is in place.</p> <p>c) Desk with Hutch: With the desk on a 2° angle, and the side with the hutch closest to the 2° angle, the portions of the functional load on the desk work surface that are on the opposite side of the 2° angle are removed first. Then the rest of the load on the desk surface shall be removed. Once the desk surface is unloaded, the lowest shelf of the hutch shall be removed. Each shelf shall be unloaded until only the highest load is in place.</p> <p>d) Patio Lighted Umbrella with Stand (where consumer has to add water to stand): The umbrella stand shall not be filled with water. The stand with the umbrella shall be placed on a 10° angle.</p>
38.3	Info	<p><b>Stability test for portable furnishings</b></p> <p><i>New clause added;</i></p>
38.3.2		The load used for storage or work areas shall be fully loaded with the functional load as specified in Section 36, Structural Test Requirements for Furnishings, partially loaded, or unloaded. Loads shall be applied in accordance with 36.1, General loading, and may be secured to the furnishing for test purposes.
38.4	Info	<p><b>Stability tests for stationary and fixed furnishings</b></p> <p><i>New clause added;</i></p>
38.4.2		<p>The load used for storage or work areas shall be fully loaded with the functional load specified in Section 36, Structural Test Requirements for Furnishings, partially loaded, or unloaded. Loads shall be applied in accordance with Section 36 and may be secured to the furnishing for test purposes. The furnishing is to be placed in any orientation on the incline plane. Furnishings with articulating features are to be adjusted to the least stable position.</p> <p>a) A furnishing without casters, rollers or wheels is to be placed on an incline plane at an angle of 2 degrees to a level horizontal plane. The furnishing may be loaded or adjusted before or after being placed on the incline. The glides, feet, and similar</p>



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		parts are to be blocked or otherwise restricted from moving along the surface. The means used to restrict movement are not to restrict tipping of the assembly. b) A stationary furnishing with casters, rollers or wheels is to be placed on an incline plane at an angle of 10 degrees to a level horizontal plane. The casters, rollers or wheels shall be rotated to the least stable position. The furnishing may be loaded or adjusted before or after being placed on the incline. The casters, rollers or wheels are to be blocked or otherwise restricted from moving along the surface. The means used to restrict movement shall not restrict tipping of the assembly.
		<b><i>New section added;</i></b>
45A		<b>Entrapment Tests</b>  See standard for details.
49	Info	<b>Leakage Current Test</b>
		<b><i>New clause added;</i></b>
49.2.1		For furnishings where the user may be in contact with water, the water is to be considered an accessible dead metal part. The water used shall be the same as described in 62.1.4.
52	Info	<b>Temperature Test</b>
		<b><i>New section added;</i></b>
52.3		<b>Furnishings with heated water</b>  See standard for details.
55	Info	<b>Dielectric Voltage-Withstand Test</b>
		<b><i>New clause added;</i></b>
55.3.1		For furnishings where the user may be in contact with water, the water is to be considered an accessible dead metal part. The water used shall be the same as specified in 62.1.4.
59	Info	<b>Insulation Resistance Test (Damp and Wet Locations Furnishings)</b>
		<b><i>New clause added;</i></b>
59.3		For furnishings where the user may be in contact with water, the water is to be considered an accessible dead metal part. The water used shall be the same as specified in 62.1.4.
60	Info	<b>Abnormal Tests</b>



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		<b><i>New section added;</i></b>
60.6		<b>Low water and no water test</b> See standard for details.
		<b><i>New section added;</i></b>
60.7		<b>Interrupted power</b> See standard for details.
		<b><i>New section added;</i></b>
60.8		<b>Water flow interruption</b> See standard for details.
		<b><i>New section added;</i></b>
60.9		<b>Water back flow</b> See standard for details.
		<b><i>New section added;</i></b>
60.10		<b>Reverse hydrostatic pressure</b> See standard for details.
	Info	<b>MARKINGS</b>
67	Info	<b>General</b>
		<b><i>New clause added;</i></b>
67.13.1		When more than two power supply cords are provided the flexible cords shall be marked with the circuit identification corresponding to the identification and labeling of the receptacles.  Exception: If appliance inlets are provided, the marking shall be on the product near the appliance inlet.
		<b><i>New clause added;</i></b>
67.23.1		Receptacles supplied from an emergency or standby system shall have a distinctive color or marking on the receptacle or on the receptacle cover plate.
		<b><i>New clauses added;</i></b>
67.39-67.44		See standard for details.
68	Info	<b>Motor-Operated Furnishings</b>





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		<b><i>New clause added;</i></b>
68.6		Usage Area IA furnishings shall be marked “WARNING”, “RISK OF INJURY”, “Do not use where children or people with cognitive disabilities could be present and unsupervised”. The marking shall be located where visible during or after assembly.
	Info	<b>INSTRUCTIONS</b>
72	Info	<b>General</b>
		<b><i>New clauses added;</i></b>
72.22-72.26		See standard for details.
79	Info	<b>Operator Attended Products Instructions – Usage Area IA, II &amp; III</b>
		<b><i>New clause added;</i></b>
79.5		For Usage Area IA, instructions shall describe that children under the age of 8, or people with cognitive disabilities are anticipated to be present and supervised.
87	Info	<b>Wet Location Power Supply Cords</b>
		All cord connected units where the user may contact water shall be provided with a factory installed ground-fault circuit-interrupter (GFCI). The GFCI shall comply with the requirements for a Class A ground-fault circuit-interrupter as specified in the Standard for Ground-Fault Circuit-Interrupters, UL 943, and be either:
87.3		a) An integral part of the attachment plug; or b) Located such that it is in the supply cord within 12 inches (305 mm) of the attachment plug.
		Exception No. 1: This requirement does not apply to units marked in accordance with the marking specified in 97.7. Exception No. 2: Units may have the GFCI installed inside a cover where the “Test” and “Reset” buttons are readily accessible after installation.
	Info	<b>MARKINGS</b>
97	Info	<b>General</b>
		<b><i>New clauses added;</i></b>
97.7-97.9		See standard for details.
Supplement SA	Info	<b>CLASS 2, LPS or SELV MOTOR AND HEATING CIRCUITS IN FURNISHINGS</b>



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		<b><i>New section added;</i></b>
SA10		<b>Locked Rotor Test</b>  See standard for details.
Supplement SD	Info	<b>POWERED TABLE SYSTEMS</b>
SD11	Info	<b>Mechanical Strength Tests</b>
SD11.6	Info	<b>Strength of enclosure tests</b>
SD11.6.2	Info	<b>Compression test</b>
		<b><i>New clause added;</i></b>
		For the test:
SD11.6.2.5		a) The reference electrical enclosure is to rest on a smooth, solid, horizontal surface. A vertical force is to be applied to any point on the rear walls of the reference electrical enclosure. The force on the reference electrical enclosures is to result in a measurable deflection of the reference electrical enclosure. The force and the deflection shall be measured and recorded. The force is to be applied through a rod having a 1/2 by 1/2 inch (12.7 by 12.7 mm) flat steel face. b) The test electrical enclosure is to rest on a smooth, solid, horizontal surface. A vertical force is to be applied to any point on the rear walls of the test electrical enclosure. The force applied should be the same as the force recorded on the reference electrical enclosure. The deflection shall be measured and recorded. c) If the deflection on the test electrical enclosure is the same as, or less than, the deflection on the reference electrical enclosure, the test electrical enclosure is considered equivalent to the reference electrical enclosure.