



UL 1678

STANDARD FOR SAFETY

Household, Commercial, and
Institutional-Use Carts, Stands and
Entertainment Centers for Use with
Audio and/or Video Equipment

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UL Standard for Safety for Household, Commercial, and Institutional-Use Carts, Stands and Entertainment Centers for Use with Audio and/or Video Equipment, UL 1678

Sixth Edition, Dated June 18, 2019

Summary of Topics

This revision of ANSI/UL 1678 dated November 7, 2023 includes the clarification of the Appurtenance Stability Test; [16.1.4](#).

Text that has been changed in any manner or impacted by ULSE's electronic publishing system is marked with a vertical line in the margin.

The revised requirements are substantially in accordance with Proposal(s) on this subject dated July 7, 2023 and October 6, 2023.

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ANSI/UL 1678-2023

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UL 1678

**Standard for Household, Commercial, and Institutional-Use Carts, Stands
and Entertainment Centers for Use with Audio and/or Video Equipment**

The First, Second, and Third Editions were titled Standard for Household, Commercial, and Professional-Use Carts and Stands.

The Fourth Edition was titled Standard for Household, Commercial, and Professional-Use Carts and Stands for Use with Audio/Video Equipment.

Prior to the Fifth Edition of UL 1678, the requirements for Tall Institutional Carts were included in the Standard for Tall Institutional Carts for Use with Audio-, Video-, and Television-Type Equipment, UL 1667.

Third Edition – July, 1998
Fourth Edition – December, 2001
Fifth Edition – August, 2012

Sixth Edition

June 18, 2019

This ANSI/UL Standard for Safety consists of the Sixth Edition including revisions through November 7, 2023.

The most recent designation of ANSI/UL 1678 as an American National Standard (ANSI) occurred on November 7, 2023. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, and Title Page.

Comments or proposals for revisions on any part of the Standard may be submitted to ULSE at any time. Proposals should be submitted via a Proposal Request in the Collaborative Standards Development System (CSDS) at <https://csds.ul.com>.

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INTRODUCTION

1 Scope

1.1 These requirements apply to household, commercial, and institutional-use carts, stands and entertainment centers intended to provide a surface for the support or attachment of audio and/or video equipment.

1.2 These requirements also apply to tall institutional-use carts and stands intended to provide a surface for the support of audio and/or video equipment that have a support bracket or shelf that is more than 39.4 inches (1 m) above the floor and are intended for use in schools, institutions, hospitals or similar locations where children or persons with diminished capacity are likely to move them or may be asked to move them.

1.3 A furnishing intended to support audio and/or video equipment shall be evaluated in accordance with one of the following:

a) If the audio and/or video support system is not motorized and an entertainment center or a stand with or without casters or wheels, this standard applies;

b) If the audio and/or video support system is intended to be mounted to walls, ceilings or another part of a building structure as the primary support means (it is not touching the floor), the Standard for Wall and Ceiling Mounts and Accessories, UL 2442, applies;

c) If a cart, stand or support surface is supplied with the audio or video equipment by the manufacturer of the audio or video equipment, the requirements contained in the audio or video component standard apply. The Standard for Audio, Video and Similar Electronic Apparatus, UL 60065, the Standard for Information Technology Equipment – Safety, UL 60950-1, or the Standard for Audio/Video, Information and Communication Technology Equipment – Part 1: Safety Requirements, UL 62368-1, as applicable to the product, applies.

d) Information Technology and Communications Equipment Cabinets, Enclosure and Rack Systems are investigated to the Standard for Information Technology Equipment – Safety – Part 1, UL 60950-1 or Audio/Video, Information and Communication Technology Equipment – Part 1: Safety Requirements, UL 62368-1.

1.4 These requirements do not apply to any electrical circuitry integral to or provided with a cart, stand or entertainment center.

2 Glossary

2.1 For the purposes of this standard, the following definitions apply.

2.2 **ACCESSORY** – An optional part that interfaces with the basic cart, stand or entertainment center and is intended to be attached by the user or installer. Subassemblies field assembled to form the basic cart, stand or entertainment center are not accessories.

2.3 **APPURTENANCE** – Objects on a cart, stand or entertainment center such as a door, drawer, or a sliding work surface.

2.4 **CART** – A stand provided with casters, wheels, or rollers intended to make it easily mobile.

2.5 **CRT** – Cathode Ray Tube. A vacuum tube containing an electron gun used to create images on the screen.

2.6 DEDICATED STORAGE AREA – An area of a cart, stand or entertainment center intended to accommodate specific articles such as storage media: tapes, CDs, DVDs, and flash drives.

2.7 DESIGNATED LOAD – The maximum weight specified by the manufacturer that the cart, stand or entertainment center is intended to accommodate.

2.8 ENTERTAINMENT CENTER – A furnishing intended to support a television and the associated audio equipment; also provided with doors, drawers or shelves.

2.9 HANDLE – A feature that is specifically intended to facilitate carrying, transporting, lifting or movement of the total product. Features such as drawer pulls, knobs on drawers or doors, decorative moldings and shelf edges are not considered to be handles.

2.10 INSTITUTIONAL AREAS – Include but are not limited to health care facilities, old age convalescent board and care homes, college dormitories, schools, residence halls, jails, prisons, nursing care homes, public auditoriums, hotels and motels.

2.10A LIVE PART – Any part where current is flowing.

2.11 MAXIMUM ANTICIPATED LOAD – A test weight that is based on the usable volume of a compartment.

2.12 MOUNTING SURFACE – A surface that is a part of the cart, stand or entertainment center used for securing a flat panel video display (television) to the cart, stand or entertainment center. Flat panel video displays are connected to the mounting system or bracket with hardware and fasteners. Mounting surfaces may be fixed position or adjustable to various angles and heights.

2.13 NORMAL USE – Those operations performed by the user to utilize a fully assembled cart or stand, with or without equipment and accessory loads installed.

2.14 ORDINARY TOOLS – Tools which are normally expected to be available to the user, such as, flat-bladed and cross-recessed head (Phillips-type) screwdrivers, hammers, nut drivers, and pliers.

2.15 RACK – A type of framework designed to mount or secure audio, video and ITE equipment.

2.16 RESIDENCE (HOUSEHOLD) – A place where people live such as a house or apartment. The terms "household" and "residence" are equivalent.

2.17 SIMULATED TELEVISION LOAD –

A test fixture intended to simulate a video display or television (as used within this Standard, the terms television, TV, and video display are equivalent).

a) [Figure 16.1](#) – The fixture depicted simulates all technology televisions, monitors or video displays that are free standing and that will rest on a television shelf.

b) [Figure 16.2](#) – The fixture depicted simulates flat panel video display television technology and is used for testing when the television is intended to be secured to a mounting bracket provided with the cart, stand or entertainment center.

2.18 STAND – A structure on or in which audio and/or video equipment and accessories are intended to be placed, contained, or mounted for support.