

# CERTIFICATION Notice

An URGENT Bulletin from CSA International

Ref No: N03-024

Date: June 30, 2003

## AUDIO AND VIDEO EQUIPMENT NO. 16

Supersedes CSA Notice "Audio and Video Equipment No. 15" and  
Informs "Audio and Video Equipment No. 12"

See **Attachment 1** for Affected Class Numbers

Call us today!  
We can help you stay on top  
of changes that will affect  
your Certification!  
1-800-463-6727

- Part A** Publication of New Editions of Standards CAN/CSA C22.2 No. 60065-03 & UL 60065-03  
**Part B** Publication of Amendment No. 3 to CSA Standard C22.2 No. 1 - 98  
**Part C** Change of Withdrawal dates of Standards C22.2 No. 1-98, UL 469, UL 813 and UL1492

### Who is affected?

Manufacturers of Audio, Video and Similar Electronic Equipment

### What do you do?

1. Contact your CSA engineer for information concerning the changes and how they apply to you.
2. CSA has attached an application if you choose to have your products re-evaluated to the new requirements
3. To proceed, please return the application no later than 90 days prior to the applicable effective date to your CSA engineer with appropriate supporting documentation\* and samples (if needed)

\*Technical information as well as company name, address, factory locations and CSA file number or master contract number (if assigned) when applying.

### Need additional technical information?

Contact Brian McCran

by phone (416) 747-2207, fax (416) 747-2476 or  
e-mail [brian.mccran@csa-international.org](mailto:brian.mccran@csa-international.org)

### Part A:

- Announces the publication of Canadian and US Standards based on IEC 60065-01. New editions of CAN/CSA C22.2 No. 60065 and UL 60065
- See Background and Rationale - Part A
- See Effective Dates - Part A

### Part B:

- Announces the publication of Technical Information Letter (T.I.L.) No. I-40 Attachment 2 (Amendment No. 3 to CSA Standard C22.2 No. 1-98, "Audio, Video and Similar Electronic Equipment")
- See Background and Rationale - Part B
- See Effective Dates - Part B

### Part C:

- Announces changes of withdrawal date of Standards C22.2 No. 1-98, UL 469, UL 813 and UL1492
- See Background and Rationale - Part C
- See Effective Dates - Part C

Apply 3 Months  
before your  
Effective Date

In the event your models do not comply with the effective standards, arrangements must be made to bring them into compliance.  
In the event we do not receive a response as to your currently certified models, prior to the above applicable effective date(s), the certification of such models will be discontinued.

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## EFFECTIVE DATES

### Part A- CAN/CSA-C22.2 No. 60065-03, UL 60065-03 (based on IEC 60065-01, 7<sup>th</sup> Ed.)

#### **Certification for Canada**

1. Customers may, if they wish, make an application at any time to have their equipment evaluated to the requirements of the new edition of the Standard
2. Until **March 1, 2007**, Certification may be issued to either CAN/CSA E60065-00 or CAN/CSA C22.2 No. 60065-03
3. After **March 1, 2007**, products previously Certified to CAN/CSA E60065-00 will be required to be re-evaluated to CAN/CSA-E60065-03

#### **Certification for U.S.A.**

1. Customers may, if they wish, make an application at any time to have their equipment evaluated to the requirements of the new edition of the Standard.
2. US Standards UL 469, UL 813, UL 1492 and UL 6500-99 will be withdrawn on **January 1, 2010** to be replaced by UL 6500-03.
3. The withdrawal date of Standards UL 469, UL 813 and UL 1492 has been changed from **August 1, 2007** to **January 1, 2010**.
4. After the date of withdrawal these standards, Certification to those standards will become invalid, and products will need to be re-evaluated to UL 6500-03 in order to retain Certification.

If production of products Certified to the old standard will continue after the date of withdrawal, manufacturers should apply for Re-Certification to UL 6500-03 at least 3 months before that date.

### **CERTIFICATION TO UL 60065-03**

<b>US Standard</b>	<b>Date of Withdrawal</b>	<b>After date of withdrawal Certified products must comply with:</b>
UL 469	January 1, 2010	UL 6500-03
UL 813	January 1, 2010	UL 6500-03
UL 1492	January 1, 2010	UL 6500-03
UL 6500-99	January 1, 2010	UL 6500-03

### **Part B - Amendment No. 3 to C22.2 No. 1-98**

Customers may, if they wish, make an application at any time to have their equipment evaluated to the requirements of C22.2 No. 1, including the T.I.L. I-40 (Attachment 2), or the parallel IEC based standards listed in "Audio and Video Equipment No. 12". For mains capacitors, the parallel standard is CAN/CSA-E384-14-95 (based on IEC 60384-14).

**After June 30, 2003**, equipment manufactured and Certified to the requirements of CSA Standards C22.2 No. 1-94, No. 6-M1984 (R1996), No. 118-1959 (R1992) will be required to comply with the requirements of the subject Standard, including Amendment No. 1, as described in Certification Inform, "Audio and Video Equipment No. 12", dated September 1, 2000.

**After July 1, 2004**, Audio/Video equipment manufactured and Certified to the requirements of CSA Standard C22.2 No. 1-94 or C22.2 No. 1-98, will be required to be re-evaluated to the requirements of T.I.L. No. I-39 dated October 1, 2002, published under "Audio and Video Equipment No. 15", Ref No. 02-013.

### **Part C - Withdrawal Date of CAN/CSA-C22.2 No. 1-98**

The withdrawal date of Standards CAN/CSA C22.2 No. 1-98 has been delayed to January 1, 2010.

#### **Summary of withdrawal dates of CAN/CSA-C22.2 No. 1-98**

<b>Products Certified to CSA Standards</b>	<b>Date of Withdrawal</b>	<b>After date of withdrawal Certified products must comply with:</b>
C22.2 No. 1-98	<b>January 1, 2010</b>	CAN/CSA C22.2 No. 60065-03
E60065-00	<b>March 1, 2007</b>	CAN/CSA C22.2 No. 60065-03

### **BACKGROUND AND RATIONALE**

#### **Part A - IEC 60065-01 (7<sup>th</sup> Ed)**

Publication of new editions of Canadian and US Standards CAN/CSA C22.2 No. 60065 and UL 60065, based on IEC 60065-01.

CAN/CSA C22.2 No. 60065-03 replaces CAN/CSA-E60065-00 and consists of IEC 60065-01 plus Canadian Deviations, UL 60065-03 replaces UL 60065-99 and consists of IEC 60065-01 plus US Differences.

#### **Part B - Amendment No. 3 to C22.2 No. 1-98**

At the request of industry, CSA International developed this T.I.L. to harmonize more closely our requirements with those of IEC and the United States. The CSA Technical Subcommittee has reviewed and reached a consensus on the requirements contained in this T.I.L. These are intended to be interim certification requirements until they are incorporated into the next edition of CSA Standard C22.2 No. 1, Audio Video and Similar Electronic Equipment.

#### **Part C - Delayed Withdrawal Dates**

In view of the delay of the withdrawal of UL469, UL 813 and UL 1492 to January 1, 2010 (Refer to Parts A and B), manufacturers have requested an extension of the withdrawal dates of CAN/CSA C22.2 No. 1-98 to avoid unnecessary retesting of products certified for Canada between January 1, 2007 and January 1, 2010.

## ATTACHMENT 1

### Affected Class Numbers

2211 01 AUDIO AND VIDEO EQUIPMENT - Musical Instruments  
2211 51 AUDIO AND VIDEO EQUIPMENT - Musical Instruments  
2211 81 AUDIO AND VIDEO EQUIPMENT - Musical Instruments - Certified to US Standards  
2221 01 AUDIO AND VIDEO EQUIPMENT - Accessories and Parts for Electronic Equipment  
2221 03 AUDIO AND VIDEO EQUIPMENT - Component - Miscellaneous  
2221 51 AUDIO AND VIDEO EQUIPMENT - Accessories and Parts for Electronic Products  
2221 81 AUDIO AND VIDEO EQUIPMENT - Accessories and Parts for Electronic Products - Certified to US Standards  
2223 01 TRANSMITTERS AND RECEIVERS - Amateur, Commercial and Communication  
2223 02 TRANSMITTERS AND RECEIVERS - Amateur, Commercial and Communication  
2223 81 TRANSMITTERS AND RECEIVERS - Commercial and Communication - Certified to US Standards  
2224 01 AUDIO AND VIDEO EQUIPMENT - Audio Equipment  
2224 02 AUDIO AND VIDEO EQUIPMENT - Video Equipment  
2224 03 AUDIO AND VIDEO EQUIPMENT - Audio Equipment with Telecommunication Features  
2224 04 AUDIO AND VIDEO EQUIPMENT - Video Equipment with Telecommunication Features  
2224 30 AUDIO AND VIDEO EQUIPMENT - Components  
2224 51 AUDIO AND VIDEO EQUIPMENT - Audio Equipment  
2224 52 AUDIO AND VIDEO EQUIPMENT - Video Equipment  
2224 81 AUDIO AND VIDEO EQUIPMENT - Audio Equipment - Certified to US Standards  
2224 82 AUDIO AND VIDEO EQUIPMENT - Video Equipment - Certified to US Standards  
2224 83 AUDIO AND VIDEO EQUIPMENT - Audio Equipment with Telecommunication Features - Certified to US Standards  
2224 84 AUDIO AND VIDEO EQUIPMENT - Video Equipment with Telecommunication Features - Certified to US Standards  
2224 90 AUDIO AND VIDEO EQUIPMENT - Components - Certified to US Standards  
2226 01 AUDIO AND VIDEO EQUIPMENT - Commercial Audio Equipment  
2226 02 AUDIO AND VIDEO EQUIPMENT - Commercial Video Equipment  
2226 03 AUDIO AND VIDEO EQUIPMENT - Audio Equipment with Telecommunication Features  
2226 04 AUDIO AND VIDEO EQUIPMENT - Video Equipment with Telecommunication Features  
2226 30 AUDIO AND VIDEO EQUIPMENT - Components - Commercial Audio  
2226 32 AUDIO AND VIDEO EQUIPMENT - Components - Commercial Video  
2226 51 AUDIO AND VIDEO EQUIPMENT - Commercial Audio Equipment  
2226 52 AUDIO AND VIDEO EQUIPMENT - Commercial Video Equipment  
2226 81 AUDIO AND VIDEO EQUIPMENT - Commercial Audio Equipment - Certified to US Standards  
2226 82 AUDIO AND VIDEO EQUIPMENT - Commercial Video Equipment - Certified to US Standards  
2226 83 AUDIO AND VIDEO EQUIPMENT - Commercial Audio Equipment with Telecommunication Features - Certified to US Standards  
2226 84 AUDIO AND VIDEO EQUIPMENT - Commercial Video Equipment with Telecommunication Features - Certified to US Standards  
2226 90 AUDIO AND VIDEO EQUIPMENT - Components - Commercial Audio - Certified to US Standards  
2227 01 ELECTRICAL AND ELECTRONIC COIN-OPERATED GAMES  
2227 30 ELECTRICAL AND ELECTRONIC COIN-OPERATED GAMES - Components  
2227 51 ELECTRICAL AND ELECTRONIC COIN OPERATED GAMES  
9022 01 MUSICAL INSTRUMENTS - Coin Operated  
9022 30 MUSICAL INSTRUMENTS - Coin Operated - Components  
9022 81 MUSICAL INSTRUMENTS - Coin Operated - Certified to US Standards  
9052 30 INSULATING DEVICES AND MATERIALS - Component - Transformer and Motor Insulation  
9052 80 INSULATING DEVICES AND MATERIALS - Component - Transformer and Motor Insulation - Certified to US Standards  
9073 01 ELECTRONIC COMPONENTS - Optoisolators  
9073 30 ELECTRONIC COMPONENTS - Optoisolators  
9073 31 ELECTRONIC COMPONENTS - Thermistors - NTC Type  
9073 32 ELECTRONIC COMPONENTS - Thermistors - PTC Type  
9073 35 ELECTRONIC COMPONENTS - Cathode Ray Tube Sockets  
9073 36 ELECTRONIC COMPONENTS - Resistors  
9073 85 ELECTRONIC COMPONENTS - Cathode Ray Tube Sockets - Certified to US Standards

## ATTACHMENT 2

### TECHNICAL INFORMATION LETTER NO. I-40

Product Group: Audio and Video

Date: June 30, 2003

Issued by: T. Venalainen

**EQUIPMENT:** Audio / Video

**ITEM:** CSA Standard C22.2 No. 1-98 - *Audio Video and Similar Electronic Equipment*

#### Background and Rationale

At the request of industry, CSA International developed this Technical Information Letter (T.I.L.) No. I-40, to harmonize more closely our requirements with those of IEC and the United States. The CSA Technical Subcommittee has reviewed and reached a consensus on the requirements contained in this T.I.L. These are intended to be interim certification requirements until they are incorporated into the next edition of CSA Standard C22.2 No. 1, *Audio Video and Similar Electronic Equipment*.

#### Requirements

*Note: Changes to the text of CSA Standard C22.2 No. 1-98 are indicated as follows:*

- (a) *New or revised text to the Standard by underlining; and*
- (b) *Deleted text to the Standard by strike-out lines*

#### **A) Polarized Plug Warning - Delete**

##### ~~4.3.1.4 Polarization Warning~~

~~Apparatus that employs a supply cord terminated with a polarized two-prong attachment plug shall comply with the marking requirements of Clause 5.3.12.~~

##### ~~5.3.12 Polarized Attachment Plugs~~

~~Where required by Clause 4.3.1.4, the following or equivalent caution shall appear on a tag securely attached to the supply cord adjacent to the attachment plug:~~

~~**CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.**~~

~~As an alternative, the wording shall appear in an instruction manual or instruction sheet accompanying the apparatus.~~

**Rationale:** Harmonize with other CSA Standards. All extension cords and outlets sold now have polarized slots.

**Impact::** Warning may be omitted.

Effective Date: Immediately

**B) SUPPLY CORD TYPES REVISED**

**Table 4**

**Cord Types**

(See Clauses 4.3.1.3, 5.3.16, 14.3.2. and 16.5)

Apparatus	Cord type	
	Non-commercial	Commercial*
Double-insulated		
— Less than 5 kg mass	SVT††	SVTR††
— More than 5 kg mass	SVT††	SJT
Rack-mounted equipment‡	SPT-2	SVT††
Under-cabinet appliance	HPN§	HPN§
Wall-mounted apparatus**	SPT-1	SVT (3 m max) ††
<u>Double-insulated Wall-mounted apparatus**</u>	<u>SPT-2</u>	SVT (3 m max) ††
<u>Coffee Table***</u>	<u>SVT</u>	SJT
All other equipment		
- Less than 5 kg mass	SPT-2	SVT††
- More than 5 kg mass	<u>SPT-2</u>	SJT

\* Indicates that a bonding conductor or double insulation is required.

‡ Marked as required by Clause 5.3.16.

§ Unless routing provided (see Clause 4.3.1.5).

\*\* Wall-mounted apparatus shall be supplied with mounting instructions and suitable hardware as required.

†† Non-integral SPT-2 may also be used.

\*\*\* A coffee table type apparatus is a type that is finished on all four sides and intended for use in the centre of the room.

Note: — SPT-2 indicates integral and non-integral cord type.

Rationale: Harmonize with USA requirements.

Impact: Household Double-insulated apparatus may use non-jacketed type SPT-2 cords.

Effective Date: Immediately.