



भारतीय मानक ब्यूरो

(उपभोक्ता मामले, खाद्य एवं सार्वजनिक वितरण मंत्रालय, भारत सरकार)

BUREAU OF INDIAN STANDARDS

(Ministry of Consumer Affairs, Food & Public Distribution, Govt. of India)

मानक भवन, 9 बहादुरशाह जफर मार्ग, नई दिल्ली-110002

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WIDE CIRCULATION

DOCUMENT DESPATCH ADVICE

| Ref. No. | Date |
|-----------------|---------------|
| LITD 07/ T- 189 | 01 March 2018 |

ADDRESSED TO:

1. All Members of Audio, video and multimedia Sectional Committee, LITD 07
2. All Principal Members of Electronics and Information Technology Division Council (LITDC)
3. All Members of all the Panels of LITD 07 Sectional Committee
4. All others interested

Dear Sir(s),

Please find enclosed the following Draft Indian Standards in Wide Circulation given below:

| Document No. | Title & ICS No. |
|---|--|
| DOC:LITD 07(12432) IEC 60107-2: 1997 | Methods of measurement on receivers for television broadcast transmissions Part 2 Audio channels – General methods and methods for monophonic channels [Superseding IS 4545 (Part 9)] ICS 33.160.020 |

Kindly examine these draft standards and forward your views stating any difficulties which you are likely to experience in your business or profession, if this is finally adopted as a National Standards.

Last Date for comments: 01 May 2018

Comments, if any, may please made in the format indicated and mailed to the undersigned at the address given below.

In case no comments are received or comments received are of editorial nature, you may kindly permit us to presume your approval for the above document as finalized. However, in case of comments of technical in nature are received then it may be finalized either in consultation with the Chairman, Sectional Committee or referred to the Sectional committee for further necessary action if so desired by the Chairman, Sectional Committee.

This document is identical with corresponding IEC Standard and is not attached with this letter. For considering comments on the document corresponding IEC Standard may be referred. In case of soft copy of IEC standard is required, a request may be sent by mail.

Thanking you,

Yours faithfully,

(Reena Garg)
Head (Electronics & IT)
E-mail: hltd@bis.org.in
ltd@bis.org.in
Tele Fax: 23237093

Encl: As above



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व्यापक परिचालन मसौदा

| प्रलेख प्रेक्षण संज्ञापन | |
|--------------------------|---------------|
| संदर्भ | दिनांक |
| एलआईटीडी 07/टी- 189 | 01 मार्च 2018 |

पाने वाले का नाम:

- 1) ऑडियो वीडियो और मल्टीमिडिया तंत्र एवं उपस्कर विषय समिति, एलआईटीडी 07
- 2) इलैक्ट्रॉनिकी एवं सूचना प्रौद्योगिकी विभाग परिषद के प्रधान सदस्य
- 3) एलआईटीडी के सभी पैनलों के सदस्य
- 4) अन्य रुचि रखने वाले

महोदय(यों),

कृपया संलग्नक मसौदों का अवलोकन करें और अपनी सम्मतियाँ, यह बताते हुए कि यदि यह भारतीय मानक प्रकाशित हों तो अमल करने में आप के व्यवसाय में क्या कठिनाईयाँ आ सकती हैं, भेजे ।

| प्रलेख स. | शीर्षक |
|---|--|
| प्रलेख एलआईटीडी 07 (12432) आईईसी 60107-2: 1997 | दूरदर्शन प्रसारण संचार के लिए रिसीवरों की मापन पध्दति भाग 2 ऑडियो चैनल - मोनोफोनिक चैनलों के लिए सामान्य तरीके और विधियां [Superseding आईएस 4545 (भाग 9)] ICS 33.160.020 |

सम्मतियाँ भेजने की अंतिम तिथि: 01 मई 2018

यदि कोई सम्मति प्राप्त नहीं होती या सम्मति सम्पादकीय प्रकृति की होती है तो कृपया यथा अनांन्तितम हेतु उपरोक्त मसौदे के लिए आपका अनुमोदन मान लेने की अनुमती दें । तथापि, यदि आपकी सम्मति की प्रकृति तकनीकी है तो यदि चेयरमैन विषय समिति द्वारा ऐसा रहना वांछित हो तो इसे आगे की आवश्यक कार्रवाई के लिए चेयरमैन विषय समिति के पास परामर्श हेतु या विषय समिति के पास अवलोकार्थ करके अनांन्तितम किया जाएगा ।

यह मसौदा आईईसी एवं आएससो मानक के अनुसार संबद्ध है तथा इस पत्र के साथ संलग्न नहीं है । आईईसी अथवा आएससो मानक के बाद मसौदे पर विचारार्थ अवलोकन किया जाए यदि आईईसी/आएससो मानक की साफ्ट प्रति अपेक्षित हों तो मेल द्वारा अनुरोध भेजा जाए ।

यदि कोई सम्मति प्राप्त हो तो कृपया अधोहस्ताक्षरी को उपरिलिखित पते पर संलग्न फॉर्मेट में ई-मेल द्वारा भेज दें ।

यदि कोई सम्मतियाँ के ऊपर निर्मित हों तो कृपया अधोहस्ताक्षरी को निम्नलिखित पते पर संलग्न फॉर्मेट में भेज दें ।

धन्यवाद,

भवदीय,

(रीना गर्ग)

प्रमुख (इलैक्ट्रॉनिकी व आई टी)

ई मेल: ltd@bis.org.in

Annexure

**Sl
No.**

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|----|--|---|
| 6 | | |
| 7 | DOC:LITD 07(12434) IEC 60098: 1987 | Analogue audio disk records and reproducing equipment [Superseding IS 6391: 1983, IS 9272 (Part 1): 1979, IS 9272 (Part 2) : 1979, and IS 9729: 1981] ICS 33.160.30 |
| 8 | DOC:LITD 07(12436) IEC 60268-10: 1991 | Sound system equipment Part 10 Peak programme level meters [Superseding IS 9302 (Part 9/Sec 1): 1980, IS 9302 (Part 9/Sec 2): 1980, and IS 9302 (Part 9/Sec 3): 1981] ICS 33.160.40 |
| 9 | DOC:LITD 07(12438) IEC 62087-1: 2015 | Audio, video, and related equipment – Determination of power consumption Part 1 General ICS 33.160.10 |
| 10 | DOC:LITD 07(12440) IEC 62087-3: 2015 | Audio, video, and related equipment – Determination of power consumption Part 3: Television sets ICS 33.160.10 |

संलग्नक

- | | | |
|---|--|--|
| 1 | प्रलेख एलआईटीडी 07 (12425) आईईसी 60050-723: 1997 Amd 1: 1999, Amd 2: 2016 and Amd 3: 2017 | विधुत तकनीकी शब्दावली भाग 723 प्रसारण: ध्वनि, टेलीविजन, डेटा [Superseding आईएस 1885 (भाग 22) और आईएस 1885 (भाग 24)] ICS 01.040.33; 33.060.20; 33.160.01 |
| 2 | प्रलेख एलआईटीडी 07 (12427) आईईसी 60050-801: 1994 | विधुत तकनीकी शब्दावली भाग 801 ध्यानिक और विधुतध्यानिकी [Superseding आईएस 1885 (भाग 3/ अनुभाग 1 से 8)] ICS 01.040.17; 17.140.50 |
| 3 | प्रलेख एलआईटीडी 07 (12428) आईईसी 60050-806: 1996 Amd 1: 2001 | विधुत तकनीकी शब्दावली भाग 80 6ऑडियो और वीडियो रिकॉर्डिंग और प्रजनन [Superseding आईएस 1885 (भाग 48/ अनुभाग 1 और 2)] ICS 01.040.29; 29.020 |
| 4 | प्रलेख एलआईटीडी 07 (12429) आईईसी 61252: 2017 | विधुतध्यानिकी - व्यक्तिगत ध्वनि एक्सपोजर मीटर के लिए विशिष्ट (IS 10423 का प्रथम संशोधन) ICS 13.140; 17.140.50 |

- 5 प्रलेख एलआईटीडी 07 (12431) आइईसी 60107-1: 1997 दूरदर्शन प्रसारण संचार के लिए रिसेवरों की मापन पध्दति भाग 1 सामान्य विचार - रेडियो और वीडियो आवृत्तियों पर माप [Superseding आईएस 4545 (भाग 1), (भाग 2), (भाग 3), (भाग 4), (भाग 5), (भाग 6), (भाग 7), (भाग 8)] ICS 33.160.020
- 6
- 7 प्रलेख एलआईटीडी 07 (12434) आइईसी 60098: 1987 एनालॉग ऑडियो डिस्क रिकॉर्ड और पुनः प्रस्तुति उपकरण [Superseding आईएस 6391: 1983, आईएस 9272(भाग 1) : 1979, आईएस 9272 (भाग 2) : 1979, and आईएस 9729: 1981] ICS 33.160.30
- 8 प्रलेख एलआईटीडी 07 (12436) आइईसी 60268-10: 1991 ध्वनि प्रणाली उपकरण भाग 10 पीक प्रोग्राम स्तर मीटर Peak programme level meters [Superseding आईएस 9302 (भाग 9/ अनुभाग 1): 1980, आईएस 9302 (भाग 9/ अनुभाग 2): 1980, and आईएस 9302 (भाग 9/ अनुभाग 3): 1981] ICS 33.160.40
- 9 प्रलेख एलआईटीडी 07 (12438) आइईसी 62087-1: 2015 ऑडियो, वीडियो और संबंधित उपकरण - बिजली की खपत का निर्धारण भाग 1 सामान्य ICS 33.160.10
- 10 प्रलेख एलआईटीडी 07 (12440) आइईसी 62087-3: 2015 ऑडियो, वीडियो और संबंधित उपकरण - बिजली की खपत का निर्धारण भाग 3 टेलीविज़न सेट्स ICS 33.160.10

**BUREAU OF INDIAN STANDARDS
DRAFT FOR COMMENTS ONLY**

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**Draft Indian Standard
Methods of measurement on receivers for television broadcast transmissions
Part 2 Audio channels – General methods and methods
for monophonic channels
[Superseding IS 4545 (Part 9)]
ICS 33.160.020**

Last date of receipt of comments: 01st May 2018

Audio, Video and Multimedia Sectional Committee, LITD 07

NATIONAL FOREWORD

This draft Indian Standard which is identical with IEC 60107-2 ‘Methods of measurement on receivers for television broadcast transmissions – Part 2: Audio channels – General methods and methods for monophonic channels’ issued by the International Electrotechnical Commission (IEC) may be adopted by the Bureau of Indian Standards on the recommendation of the Audio, Video and Multimedia Sectional Committee and approval of the Electronics and Information Technology Division Council.

This draft Standard will supersede IS 4545 (Part 9). This Standard was technically equivalent to IEC 60107-2 (1980) and shall be treated as withdrawn on publication of Standard.

The text of IEC Standard has been approved as suitable for publication as an Indian Standard without deviations. Certain terminology and conventions are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- a) Wherever the words ‘International Standard’ appear referring to this standard, they should be read as ‘Indian Standard’.
- b) Comma (,) has been used as a decimal marker while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

In this adopted standard, reference appears to certain International Standards for which Indian Standards also exist. The corresponding Indian Standards which are to be substituted in their respective places are listed below along with their degree of equivalence for the editions indicated:

| <i>International Standards</i> | <i>Corresponding Indian Standard</i> | <i>Degree of Equivalence</i> |
|--|---|-----------------------------------|
| IEC 107-1: 1997 Methods of measurement on receivers for television broadcast transmissions – Part 1: General considerations – Electrical measurements at radio and video frequencies | Doc No. LITD 07 (12431) Methods of measurement on receivers for television broadcast transmissions – Part 1 General considerations – Electrical measurements at radio and video frequencies | Identical |
| IEC 107-5: 1992 Recommended methods of measurement on receivers for television broadcast transmissions – Part 5: Electrical measurements on multichannel sound television receivers using the NICAM two-channel digital sound-system | IS 4545(Part 12):2000 Method of Measurement on Receivers for Television Broadcast Transmission - Part 12 : Electrical Measurement on Multichannel Sound Television Receivers Using the Nicam Two-channel Digital Sound System | Identical with IEC 60107-5 (1999) |
| IEC 107-6: 1989 Recommended methods of measurement on receivers for television broadcast transmissions – Part 6: Measurement under conditions different from broadcast signal standards | IS 4545(Part 11):1992 Methods of measurement on receivers for television broadcast transmissions: Part 11 Measurement under conditions different from broadcast signal standards | Identical with IEC 60107-6 (1989) |
| IEC 268-1: 1985 Sound system equipment – Part 1: General | IS 15596(Part 1):2005/IEC 60268-1 Sound systems equipment : Part 1 General | Identical |
| IEC 268-2: 1987 Sound system equipment – Part 2: Explanation of general terms and calculation methods | IS 15596(Part 2):2005/IEC 60268-2 Sound System Equipment : Part Explanation of General terms and Calculation methods | -do- |
| IEC 268-3: 1988 Sound system equipment – Part 3: Amplifiers | IS 15596(Part 3):2016/IEC 60268-3 Sound System Equipment Part 3 Amplifiers (First Revision) | Identical with IEC 60268-3 (2013) |
| IEC 268-5: 1989 Sound system equipment – Part 5: Loudspeakers | IS 15596(Part 5):2005/IEC 60268-5 Sound systems equipment : Part 5 Loudspeakers | Identical with IEC 60268-5 (2003) |

The technical committee has reviewed the provisions of the following International Standards referred in this adopted standard and has decided that they are acceptable for use in conjunction with this standard:

International Standard

Title

| | |
|--|---|
| IEC 107-3: 1988 | Recommended methods of measurement on receivers for television broadcast transmissions – Part 3: Electrical measurements on multichannel sound television receivers using subcarrier systems |
| IEC 107-4: 1988 | Recommended methods of measurement on receivers for television broadcast transmissions – Part 4: Electrical measurements on multichannel sound television receivers using the two-carrier FM-system |
| IEC 315-1: 1988 | Methods of measurement on radio receivers for various classes of emission – Part 1: General considerations and methods of measurement, including audio-frequency measurements |
| Recommendation ITU-R BS 468-4: 1994 | Measurement of audio-frequency noise voltage level in sound broadcasting |

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS 2 : 1960 ‘Rules for rounding off numerical values (*revised*)’. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

Only the English language text of the International Standard has been retained while adopting it as an Indian Standard, and as such the page numbers given here are not the same as in the IEC publication.

Scope of IEC 60107-2

This part of IEC 107 deals with the general methods of measurement of the audio channels of receivers for monophonic systems and multichannel sound systems. General considerations for the measurements are specified in IEC 107-1 and the measurements specific to the multichannel sound systems are dealt with by IEC 107-3, IEC 107-4 and IS 4545 (Part 12)/IEC 107-5. Measurements for non-broadcast signals are dealt with by IS 4545 (Part 11)/IEC 107-6.

This standard deals with the determination of performance and permits the comparison of equipment by listing the characteristics which are useful for specifications and by laying down uniform methods of measurement for these characteristics. Performance requirements are not specified.

This standard does not deal with general safety matters, for which reference should be made to IS 616: 2017/ IEC 60065 or other appropriate IEC safety standards, nor with radiation and immunity, for which reference should be made to IS 6873(Part 3)/CISPR 13 and IS 12252/ CISPR 20.

NOTE– The Technical content of this document has not been enclosed as these are identical with the corresponding IEC Standard. For details please refer IEC 60107-2, or kindly contact.

Head

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