



व्यापक परिचालन में मसौदे

प्रलेख प्रेषण संज्ञापन

संदर्भ	दिनांक
ईटीडी 44/ टी - 13	01-02-2018

तकनीकी समिति ईटी 44

प्रेषती :

1. ईटीडी 44 के सभी सदस्य
2. विद्युत तकनीकी विभाग परिषद के सभी सदस्य तथा
3. रुचि रखने वाले अन्य सभी निकाय

महोदय,

कृपया निम्नलिखित मसौदे की एक प्रति संलग्न है :

प्रलेख	शीर्षक
ईटीडी 44 (12385)	मशीनों की सुरक्षा — मशीनों के विद्युतीय उपकरण : भाग 31 सिलाई की मशीनों, इकाइयों और प्रणालियों के लिए विशेष सुरक्षा एवम ई एम् सी अपेक्षाएं

कृपया इस मसौदे का अवलोकन करें और अपनी सम्मतियाँ यह बताते हुए भेजें कि अंतत यदि ये मानक के रूप में प्रकाशित हो जाए तो इस पर अमल करने में आपके व्यवसाय अथवा कारोबार में क्या कठिनाइयाँ आ सकती हैं ।

सम्मतियाँ भेजने की अंतिम तारीख: 01-04-2018

सम्मतियाँ यदि कोई हो तो कृपया अगले पृष्ठ पर दिए पत्र में अधोहस्ताक्षरी को उपरिलिखित पते पर भेज दें ।

यदि कोई सम्मति प्राप्त नहीं होती अथवा सम्मति में केवल भाषा संबंधी त्रुटि हुई तो उपरोक्त प्रलेख को यथावत अंतिम रूप दिया जाएगा । यदि कोई सम्मति तकनीकी प्रकृति की हुई तो विषय समिति के अध्यक्ष के परामर्श से अथवा उनकी इच्छा पर आगे की कार्यवाही के लिए विषय समिति को भेजे जाने के बाद प्रलेख को अंतिम रूप दे दिया जाएगा ।

धन्यवाद,

भवदीय,

(राजीव शर्मा)

प्रमुख (ईटीडी)

ईमेल eetd@bis.org.in

संलग्न: उपरोक्त



**DRAFTS IN WIDE
CIRCULATION**

DOCUMENT DESPATCH ADVICE

Reference	Date
ETD 44/ T- 13	01-02-2018

TECHNICAL COMMITTEE ETD 44

ADDRESSED TO:

1. All Members of ETD 44
2. All Members of Electrotechnical Division Council; and
3. All other Interested.

Dear Sir(s),

Please find enclosed a copy of the following draft Indian Standard:

Doc No.	Title
ETD 44 (12385)	Safety of machinery – Electrical equipment of machines – Part 31: Particular safety and EMC requirements for sewing machines, units and systems

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

Comments, if any, may please be made in the format given overleaf and mailed to the undersigned.

Last date for comments : **01-04-2018**

In case no comments are received or comments received are of editorial nature, you will kindly permit us to presume your approval for the above documents 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.

It may kindly be noted that the technical contents of the document have not been enclosed as these are identical with the corresponding IEC standard. For details, please refer to the corresponding IEC publication as mentioned in the respective National Forewords or kindly contact the undersigned.

Thanking you,

Yours faithfully,

(Rajeev Sharma)
Head (Electrotechnical)
Email: eetd@bis.org.in
Encl : See attachment.

BUREAU OF INDIAN STANDARDS
DRAFT FOR COMMENTS ONLY

(Not to be reproduced without the permission of BIS or used as a STANDARD)

Draft Indian Standard

Safety of machinery – Electrical equipment of machines – Part 31: Particular safety and EMC requirements for sewing machines, units and systems

Last date of receipt of comments is: **01-04-2018**

Safety of Machinery- Electrotechnical Aspect Sectional Committee ETD 44

NATIONAL FOREWORD

This draft Indian Standard (Part 31) which is identical with IEC 60204-31 : 2013 ' Safety of machinery – Electrical equipment of machines – Part 31: Particular safety and EMC requirements for sewing machines, units and systems' issued by International Electrotechnical Commission will be adopted by the Bureau of Indian Standards on the recommendation of the Safety of Machinery- Electrotechnical Aspect Sectional Committee and approval of the Electrotechnical Division Council.

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 the following International Standards (in addition to references in Part 1 of this series of standards) for which Indian Standards also exist. The corresponding Indian Standards, and documents under print which are to be substituted in their places, are listed below along with their degree of equivalence for the editions indicated:

<i>International Standard</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
IEC 60204-1 : 2005 Safety of machinery – Electrical equipment of machines – Part 1 : General requirements Amendment 1:2008	IS 16504 (Part 1) : 2017 Safety of machinery — Electrical equipment of machines : Part 1 General requirements	Identical with IEC 60204-1 : 2005
IEC 60664-1 : 2007 Insulation coordination for equipment within low-voltage systems – Part 1: Principles, requirements and tests	IS 15382 (Part 1) : 2014 Insulation coordination for equipment within low-voltage systems : Part 1 Principles, requirements and tests	Identical with IEC 60664-1 : 2007

(first revision)

IEC 60721-3-3 Classification of environmental conditions – Part 3: Classification of groups of environmental parameters and their severities – Section 3: Stationary use at weatherprotected locations	IS 13736 (Part 3/Sec 3) : 1993 Classification of environmental conditions : Part 3 Classification of groups of environmental parameters and their severities, Section 3 Stationary use at weatherprotected locations	Identical with IEC Pub 721-3-3 (1987)
IEC 60947-1 : 2007 Low-voltage switchgear and controlgear – Part 1: General rules Amendment 1:2010	IS/IEC 60947-1 : 2007 Low-voltage switchgear and controlgear : Part 1 General rules <i>(first revision)</i> Amendment no. 1 June 2015 to IS/IEC 60947-1 : 2007 Low-voltage switchgear and controlgear : Part 1 General rules	Identical with IEC 60947-1 : 2007 and Amendment 1 : 2010
IEC 61000-3-2 Electromagnetic compatibility (EMC) – Part 3-2: Limits – Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)	IS 14700 (Part 3/Sec 2): 2008 Electromagnetic compatibility (EMC) : Part 3 Limits, Section 2 Limits for harmonic current emissions (equipment input currents ≤ 16 A per phase) <i>(first revision)</i>	Identical with IEC 61000-3-2 : 2005
IEC 61000-3-3 Electromagnetic compatibility (EMC) – Part 3-3: Limits – Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection	IS 14700 (Part 3/Sec 3) : 2008 Electromagnetic compatibility (EMC) : Part 3 Limits, Section 3 Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection <i>(first revision)</i>	Identical with IEC 61000-3-3 : 2005
IEC 61000-4-2 Electromagnetic compatibility (EMC) – Part 4-2: Testing and measurement techniques – Electrostatic discharge immunity test	IS 14700 (Part 4/See 2) : 2008 Electromagnetic compatibility (EMC) : Part 4 Testing and measurement techniques, Section 2 Electrostatic discharge immunity test <i>(first revision)</i>	Identical with IEC 61000-4-2 : 2001
IEC 61000-4-3 Electromagnetic	IS 14700 (Part 4/Sec 3) : 2008	Identical with IEC

compatibility (EMC) – Part 4-3: Testing and measurement techniques – Radiated, radio-frequency, electromagnetic field immunity test	Electromagnetic compatibility (EMC) : Part 4 Testing and measurement techniques, Section 3 radiated, radio frequency, electromagnetic field immunity test <i>(first revision)</i>	61000-4-3 : 2006	
IEC 61000-4-4 Electromagnetic compatibility (EMC) – Part 4-4 : Testing and measurement techniques – Electrical fast transient/burst immunity test	IS 14700 (Part 4/See 4) : 2008 Electromagnetic compatibility (EMC) : Part4 Testing and measurement techniques, Section 4 Electrical fast transient/burst immunity test (first revision)	Identical with 61000-4-4 : 2004	IEC
IEC 61000-4-5 : 2005 Electromagnetic compatibility (EMC) – Part 4-5 : Testing and measurement techniques – Surge immunity test	IS 14700 (Part 4/Sec 5) : 2012 Electromagnetic compatibility (EMC) : Part 4 Testing and measurement techniques, Section 5 Surge immunity test	Identical with 61000-4-5:2005	IEC
IEC 61000-4-6 Electromagnetic compatibility (EMC) – Part 4-6: Testing and measurement techniques – Immunity to conducted disturbances, induced by radio-frequency fields	IS 14700 (Part 4/Sec 6) : 2016 Electromagnetic compatibility (EMC) : Part 4 Testing and measurement techniques, Section 6 Immunity to conducted disturbances, induced by radio-frequency fields	Identical with 61000-4-6 : 2013	IEC
IEC 61000-4-11 Electromagnetic compatibility (EMC) – Part 4-11: Testing and measurement techniques – Voltage dips, short interruptions and voltage variations immunity tests	IS 14700 (Part 4/Sec 11) : 2008 Electromagnetic compatibility (EMC) : Part 4 Testing and measurement techniques, Section 11 Voltage dips, short interruptions and voltage variations immunity tests	Identical with IEC 6100-4-11 : 2004	
IEC 61058-1 Switches for appliances – Part 1: General requirements	IS/IEC 61058-1 : 2000 Switches for appliances : Part 1 General requirements	Identical with 61058-1 : 2000	IEC
IEC 61558-1 Safety of power transformers, power supplies, reactors and similar products – Part 1: General requirements and tests	IS/IEC 61558-1 : 1997 Safety of power transformers, power supply units and similar : Part 1 General requirements and tests	Identical with 61558-1 : 1997	IEC

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

International Standard

Title

IEC 60364-4-41	Low-voltage electrical installations – Part 4-41: Protection for safety – Protection against electric shock
CISPR 11:2009 Amendment 1:2010	Industrial, scientific and medical equipment – Radio-frequency disturbance characteristics – Limits and methods of measurement
ENV 50204	Radiated electromagnetic field from digital radio telephones – Immunity test

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

In reporting the result of a test or analysis made in accordance with this standard, it is to be rounded off which shall be done in accordance with IS 2 : 1960 'Rules for rounding off numerical-values (*revised*)'.

Note: The technical content of the documents is not available on website. For details, please refer the corresponding IEC 60204-31 : 2013 or kindly contact:

Head
Electrotechnical Department
Bureau of Indian Standards
9, B.S. Zafar Marg,
New Delhi-110002
Email: eetd@bis.org.in
Telephone/ fax: 011-23231192
