



व्यापक परिचालन में मसौदे

प्रलेख प्रेषण संज्ञापन

संदर्भ	दिनांक
ईटीडी 44/ टी - 15	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 (12387)	मशीनों की सुरक्षा — मशीनों के विद्युतीय उपकरण : भाग 34 मशीनी औजारों के लिए 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)

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संलग्न: उपरोक्त



**DRAFTS IN WIDE
CIRCULATION**

DOCUMENT DESPATCH ADVICE

Reference	Date
ETD 44/ T- 15	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 (12387)	Safety of machinery – Electrical equipment of machines – Part 34: Requirements for machine tools

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

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Draft Indian Standard

Safety of machinery – Electrical equipment of machines – Part 34: Requirements for machine tools

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 34) which is identical with IEC 60204-34 : 2016 ' Safety of machinery – Electrical equipment of machines – Part 34: Requirements for machine tools ' 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 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 60034-1 Rotating electrical machines – Part 1: Rating and performance	IS 15999 (Part 1) : 2016 Rotating Electrical Machines : Part 1 Rating and Performance (<i>first revision</i>)	Identical with IEC 60034-1 : 2010
IEC 60072 (all parts) Dimensions and output series for rotating electrical machines	IS 8223 : 1999 Dimensions and output series for rotating electrical machines	Identical with IEC 72-2 (1990)
IEC 60204-1 Safety of machinery – Electrical equipment of machines – Part 1: General requirements	IS 16504 (Part 1) : 2017 Safety of Machinery – Electrical Equipment of Machines : Part 1 General	Identical with IEC 60204-1 : 2008

Requirements

IEC 60309-1 Plugs, socket-outlets, and couplers for industrial purposes – Part 1: General requirements	IS/IEC 60309-1 : 2002 Plugs, socket-outlets and couplers for industrial purposes : Part 1 General requirements (<i>first revision</i>)	Identical with IEC 60309-1 (1999)	IEC
IEC 60529 Degrees of protection provided by enclosures (IP Code)	IS/IEC 60529 : 2001 Degrees of protection provided by enclosures (IP code)	Identical with IEC 60529 : 2001	IEC
IEC 60664-1 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 (<i>first revision</i>)	Identical with IEC 60664-1 : 2007	IEC
IEC 60947-2 Low-voltage switchgear and controlgear – Part 2: Circuit-breakers	IS/IEC 60947-2 : 2003 Low-voltage switchgear and controlgear : Part 2 Circuit breakers	Identical with IEC 60947-2 : 2003	IEC
IEC 60947-3 Low-voltage switchgear and controlgear – Part 3: Switches, disconnectors, switch-disconnectors, and fuse-combination units	IS/IEC 60947-3 : 1999 Low-voltage switchgear and controlgear : Part 3 Switches, disconnectors, switch-disconnectors and fuse combination units	Identical with IEC 60947-3 : 1999	IEC
IEC 60947-5-1 : 2003 Low-voltage switchgear and controlgear – Part 5-1: Control circuit devices and switching elements – Electromechanical control circuit devices IEC 60947-5-1 : 2003/AMD1:2009	IS/IEC 60947-5-1 : 2003 Low-voltage switchgear and controlgear : Part 5 Control circuit devices and switching elements, Section 1 Electromechanical control circuit devices	Identical with IEC 60947-5-1 : 2003	IEC
IEC 61310 (all parts) Safety of machinery – Indication, marking and actuation	IS 16503 (Part 2) : 2017 Safety of machinery — Indication, marking and actuation : Part 2 Requirements for marking	Identical with IEC 61310-2 : 2007	IEC
IEC 61439-1 Low-voltage switchgear and controlgear assemblies – Part 1: General rules	IS 8623 (Part 1) : 1993 Specification for low-voltage switchgear and controlgear assemblies : Part 1 Requirements for type-tested and partially type-tested assemblies (<i>first revision</i>)	Identical with IEC Pub 439-1 (1985)	IEC

IEC 61558-1 : 2005 Safety of power transformers, power supplies, reactors and similar products – Part 1: General requirements and tests IEC 61558-1:2005/AMD1:2009	IS/IEC 61558-1 : 1997 Safety of power transformers, power supply units and similar : Part 1 General requirements and tests	Identical with IEC 61558-1 : 1997	IEC
IEC 61558-2-6 Safety of transformers, reactors, power supply units and similar products for supply voltages up to 1 100 V – Part 2-6: Particular requirements and tests for safety isolating transformers and power supply units incorporating safety isolating transformers	IS/IEC 61558-2-6 : 1997 Safety of power transformers, power supply units and similar : Part 2 Particular requirements, Section 6 Safety isolating transformers for general use	Identical with IEC 61558-2-6 : 1997	IEC
IEC 62061 Safety of machinery – Functional safety of safety-related electrical, electronic and programmable electronic control systems	IS 16501 : 2017 Safety of machinery — Functional safety of safety-related electrical, electronic and programmable electronic control systems	Identical with IEC 62061 : 2005	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 60364-1	Low-voltage electrical installations – Part 1: Fundamental principles, assessment of general characteristics, definitions
IEC 60364-4-41:2005	Low-voltage electrical installations – Part 4-41: Protection for safety – Protection against electric shock
IEC 60364-4-43:2008	Low-voltage electrical installations – Part 4-43: Protection for safety – Protection against overcurrent
IEC 60364-5-52:2009	Low-voltage electrical installations – Part 5-52: Selection and erection of electrical equipment – Wiring systems
IEC 60364-5-53:2001	Electrical installations of buildings – Part 5-53: Selection and erection of electrical equipment – Isolation, switching and control IEC 60364-5-53:2001/AMD1:2002
IEC 60364-5-54:2011	Low-voltage electrical installations – Part 5-54: Selection and erection of electrical equipment – Earthing arrangements and protective conductors
IEC 60417	Graphical symbols for use on equipment
IEC 60445 : 2010	Basic and safety principles for man-machine interface, marking

	and identification – Identification of equipment terminals, conductor terminations and conductors
IEC 60825-1	Safety of laser products – Part 1: Equipment classification and requirements
IEC 60825-4	Safety of laser products – Part 4: Laser guards
IEC 60947-5-5	Low-voltage switchgear and controlgear – Part 5-5: Control circuit devices and switching elements – Electrical emergency stop device with mechanical latching function
IEC 60947-6-2	Low-voltage switchgear and controlgear – Part 6-2: Multiple function equipment – Control and protective switching devices(or equipment) (CPS)
IEC 61140	Protection against electric shock – Common aspects for installation and equipment
IEC 61984	Connectors – Safety requirements and tests
IEC 62023	Structuring of technical information and documentation
ISO 7010 : 2011	Graphical symbols – Safety colours and safety signs – Registered safety signs
ISO 13849-1	Safety of machinery – Safety-related parts of control systems – Part 1: General principles for design
ISO 13849-2	Safety of machinery – Safety-related parts of control systems – Part 2: Validation
ISO 13850 : 2006	Safety of machinery – Emergency stop function – Principles for design
ISO 14119	Safety of machinery – Interlocking devices associated with guards – Principles for design and selection

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 60204-34 : 2016 or kindly contact:

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