

भारतीय मानक ब्यूरो
केन्द्रीय मुहर विभाग - III

संदर्भ - के. मु. वि.-3/16: भा.मा. 14927 (Part 2/ Sec 1)
आई ई सी 61084-2-1

28 अक्टूबर 2024

विषय: पुनरीक्षित आई एस 14927 (Part 2/ Sec 1): 2023 आई ई सी 61084-2-1:
2017 के अनुपालन के लिए दिशानिर्देश

इसमें ऊपर उल्लिखित विषय का संदर्भ है

सभी शाखा कार्यालयों से आग्रह है कि गाइडलाईन का अनुपालन तत्काल प्रभाव से सुनिश्चित करें

(राहुल विश्वकर्मा)
वैज्ञानिक 'डी'/संयुक्त निदेशक (के मु वि III)

प्रमुख (के मु वि III)
सभी क्षेत्रीय/शाखा कार्यालय

BUREAU OF INDIAN STANDARDS
CENTRAL MARKS DEPARTMENT-III

Our Ref: CMD-3/16: IS 14927 (Part 2/ Sec 1)
IEC 61084-2-1

28 October 2024

Subject: Guidelines for Implementation of revised IS 14927 (Part 2/ Sec 1):2023/IEC
61084-2-1: 2017

This has reference to the subject mentioned above.

BOs may kindly ensure the implementation of the guidelines with immediate effect.

(Rahul Vishwakarma)
Scientist - D/Joint Director (CMD III)

Head (CMD - III)
Circulated to: All ROs/BOs

CENTRAL MARKS DEPARTMENT – III

Our Ref: CMD III/16: IS 14927 (Part 2/ Sec 1): 2023/ IEC 61084-2-1: 2017

21 October 2024

Subject: Guidelines for implementation of Revision of IS 14927 (Part 2/ Sec 1): 2023/ IEC 61084-2-1: 2017– Cable Trunking Systems and Cable Ducting Systems for Electrical Installations Part 2 Cable Trunking Systems and Cable Ducting Systems Intended for Mounting on Walls and Ceilings Section 1 Particular Requirements

1. IS 14927 (Part 2): 2001 – Cable Trunking and Ducting Systems for Electrical Installations Part 2 Cable Trunking and Ducting Systems Intended for Mounting on Walls or Ceilings has been revised to IS 14927 (Part 2/ Sec 1): 2023/ IEC 61084-2-1: 2017 and the last date of concurrent running of the Standard with and without Revision 09 November 2024 (C/).
2. The significant changes brought through this Revision is tabled below:

Sl. No.	Cl. No	Clause	Changes	Action required
1.	1	Scope	Scope of the Standard has been revised and the maximum voltage for installation of CTS/CDS has been specified as 1000 V ac and 1500 V dc.	Declaration to be submitted
2.	3	Terms and Definitions	New terms and definition have been added	Not required
3.	4	General Requirements	The clause has been modified	Declaration to be submitted
4.	5	General conditions for test	Time period for commencing tests on non-metallic system components or composite system components modified from not before 240 hours to 168 hours.	Inhouse test report / Test report from BIS approved Lab
			Ambient test conditions modified from 27±5°C to 20±5°C.	Declaration regarding revised testing condition and availability of test equipment is to be submitted
5.	6 6.1 6.2 6.3 6.5	Classification	Modified Material – Requirement has been made void Classification ‘According to Mechanical Properties’ has been renamed and modified to ‘According to resistance to impact for installation and application’ Classification according to temperatures has been modified and new temp. criteria has been added (+125°) Cl. 6.5 of IS 14927 (Part 2) is now bifurcated into following: Cl. 6.5; Classification of product according to electrical continuity characteristics Cl. 6.6; Classification of product according to electrical insulating	Declaration to be submitted

	6.8 6.101 6.102 6.103 6.104		<p>characteristics</p> <p>Requirements according to protection against corrosive or polluting substances has been removed</p> <p>Four new types of classification of CTS and CDS have been added:</p> <p>According to the intended installation positions</p> <p>According to the prevention of contact between liquids and insulated conductors and live parts in case of CTS/CDS mounted in a skirting position and wet-treatment of floor</p> <p>According to the type</p> <p>According to resistance to compression for CDS</p>	
6.	7	Marking and documentation	Requirements of Marking and documentation has been modified	Inhouse test report / Test report from BIS approved Lab
7.	8	Dimensions	Dimensional requirements have been removed	
8.	9	Construction	New test requirements added for new CTS/CDS based on the classification at Cl. 6.102 (Cl. 6.102.2, Cl. 6.102.3, Cl. 6.102.4)	
9.	10.2	Cable support test	This requirement has been replaced and modified on the basis of Cl. 6.103 - Type of CTS/CDs declared by manufacturer	
10.	10.3	Impact test	The test requirements and conditions have been replaced and modified	
11.	10.4	Linear Deflection test	The test requirements and conditions have been replaced and modified	
12.	10.5 10.5.1 10.5.2	External Load Test	<p>The test requirements and conditions have been replaced and modified and split into two:</p> <p>Fixing test for apparatus mounting of socket outlets</p> <p>Fixing test for apparatus mounting other than socket outlets</p>	
13.	10.6	System access cover retention	New test clause and requirements added	
14.	11	Electrical Properties	The test requirements and conditions have been replaced and modified	
15.	12	Thermal Properties	New test clause and requirements added	
16.	13	Fire Hazard	The test requirements and conditions have been replaced and modified	
17.	14	External Influence	New test clause and requirements added	
18.	15	Electromagnetic Compatibility	New test clause and requirements added	

3. Consequent upon the Revision of Indian Standard, the Product Manual has been revised as Product Manual Doc: **PM/ IS 14927 (Part 2 / Sec 1)/ 1 Oct 2024** and is being circulated separately through BIS website.

4. The guidelines for implementation of the Revised Indian Standard are given below:

A) LICENSEES

- i. Licensee shall implement the requirements of the Revised Standards by 09 November 2024. Any difficulty in implementation shall be brought to the notice of CMD III within 07 days of issuance of these guidelines. BO shall ensure that no Licences are under operation as per old standard after 09 November 2024. The status of implementation of the revised Indian Standard shall be confirmed by Head (BO) to CMD-III within 07 days of the last date of concurrent running.
- ii. Licensees shall review their present scope of licence and submit the declaration w.r.t to 'Scope of licence' and 'Classification' as specified in the table above. For new type classification of CT/DS, in-house test report / test report from BIS approved labs of product shall be submitted by the Licensee in order to establish conformity to the modified requirements. BO shall issue endorsement for this new variety.
- iii. Licensees shall submit the declaration regarding revised testing condition and availability of test equipment for the revised testing condition. Licensee shall also submit in-house test report / test report from BIS approved labs of product in order to establish conformity to the additional and modified requirements.
- iv. Verification of implementation of the Revised Standard IS 14927 (Part 2/ Sec 1): 2023/ IEC 61084-2-1: 2017 shall be done during the next surveillance visit, which shall be completed within 07 days from the last date of implementation.
- v. If the Licensee fails to complete all actions by 09 November 2024, it shall be dealt with as per the prevailing guidelines.

B) APPLICATIONS FOR GRANT OF LICENCE

- i. Existing Applications where Sample has been submitted in the Laboratory/Test Report has been issued by the Laboratory may be processed without consideration of the revision. However, if the Applicant desires to get the licence with the Revised Standard, a declaration may be obtained from the Applicant to that effect and the Application may be processed accordingly. An undertaking shall also be obtained from such Applicants that if the sample fails while considering the provisions of the Revised Standard, Licence will not be granted as per the old version.
- ii. Applications which are recorded henceforth may be processed with or without Revision. Processing of Applications without Revision shall be permitted only upto 09 November 2024 and for such cases Applicant shall give a declaration that they will implement the Revised Indian Standard by 09 November 2024.
- iii. After 09 November 2024, no Licence shall be granted without consideration of the Revision.

C) CHANGE IN SCOPE OF LICENCE

- i. For change in scope of licence, the relevant provisions as given above for Applicants shall apply.

- ii. However, processing of such applications for change in scope of licence as per old Standard shall be permitted only upto the date of implementation of the revised Standard by the licensee or up to 09 November 2024 whichever is earlier.

5. The above guidelines come into force with immediate effect.

Rahul Vishwakarma
Scientist D

Head (CMD III)
DDG (Certification)