

केन्द्रीय मुहर विभाग-3

संदर्भ : के मू वी- 3/16: IS/IEC 60947 (Part 3)

13 जनवरी 2025

विषय : IS/IEC 60947 (Part 3): 2020 के अनुपालन हेतु दिशानिर्देश

यह उपरोक्त विषय के संदर्भ में है।

सक्षम अधिकारी द्वारा अनुमोदित दिशानिर्देश अनुपालन हेतु संलग्न है।

सभी क्षेत्रीय / शाखा कार्यालयों से अनुरोध है की दिशानिर्देशों का तत्काल प्रभाव से अनुपालन सुनिश्चित करें।

राहुल विश्वकर्मा
वैज्ञानिक - डी

**प्रमुख (के मू वी-3)
सभी क्षेत्रीय / शाखा कार्यालयों**

CENTRAL MARKS DEPARTMENT – III

Our Ref: CMD III/16: IS/IEC 60947 (Part 3)

13 Jan 2025

Subject: Guidelines for implementation of revised standard IS/IEC 60947 (Part 3): 2020

This has reference to the subject mentioned above.

The Competent Authority has approved the enclosed Guidelines for implementation.

All ROs/BOs are requested to ensure the implementation of the above Guidelines with immediate effect.

Rahul Vishwakarma
Scientist D

**Head (CMD-III)
All ROs/BOs**

CENTRAL MARKS DEPARTMENT – III

Our Ref: CMD III/16: IS/IEC 60947 (Part 3): 2020

13 Jan 2025

Subject: Guidelines for implementation of Revision of IS/IEC 60947 (Part 3): 2020 – Low-Voltage Switchgear and Controlgear: Part 3 Switches Disconnectors Switch-Disconnectors and Fuse-Combination Units

1. IS/IEC 60947 (Part 3): 2012 – R Voltage Switchgear and Controlgear: Part 3 Switches Disconnectors Switch-Disconnectors and Fuse-Combination Units has been revised to IS/IEC 60947 (Part 3): 2020 and the last date of concurrent running of the Standard with and without Revision 02 August 2025.
2. All BOs shall inform the Applicants and Licensees under their jurisdiction about implementation of the revised Standard within **a week of issuance of these guidelines**.
3. The revision of the standard has been undertaken to align this standard with the latest international practices. The significant change brought through this Revision:

Sl. No.	Clause No.		Changes	Requirement for compliance
1.	Cl. 9.9.3	Addition of critical load current tests for DC switches	New test sequence added Test sequence VI: critical load current performance of equipment with a DC rating	This is a new test requirement for DC equipment. No additional testing is required for AC equipment. However, if the manufacturer declares equipment with DC rating, it has to submit the conformity to the complete requirements as specified in IS 60947-3 of the product from BIS recognized lab
2.	Cl. 9.3.7	Addition of requirements for a conditional short-circuit rating for disconnectors, switches	New test requirements have been specified.	This test is mentioned in Sequence – IV . Further, as per
3.	Cl. 9.3.7.2	Switch-disconnectors protected by circuit-breakers	Test requirements has been modified	Sequence – IV of IS 60947 (Part 3), 'This test sequence is not mandatory if a value of rated conditional short-circuit current is not stated by the manufacturer and test Sequence – III is carried out'. Therefore, if the manufacturer has carried out testing as

				per Sequence – III, then Sequence – IV is not required to be confirmed separately. However, in case manufacturer has carried out product compliance as per test Sequence – IV, then the Manufacturer shall submit the conformity of the product from BIS recognized lab.
4.	Annex – A	Addition of new categories for high-efficiency motors switching	New categories of switching device have been added.	Manufacturer shall submit the conformity of the product from BIS recognized lab. However, these requirements are currently exempted from the EEQCO.
5.	Annex – E	Connection to aluminium conductors	New categories of switching device have been added.	
6.	Annex – F	Power losses measurement	New annex for Power loss measurement has been added	

4. The Product Manual: **PM/IS/ IEC 60947-3 /1/ Dec 2024** has been circulated and is made available on BIS Website.

5. The guidelines for implementation of the Revised Indian Standard is given below:

A. Licensees

1. All Licensee shall implement the requirements of the Revised Standards by 02 August 2025. Any difficulty in implementation shall be brought to the notice of CMD III within one month of issuance of these guidelines. BO shall ensure that no Licences are under operation as per old standard after 02 August 2025. The status of implementation of the revised Indian Standard shall be confirmed by Head (BO) to CMD-III within one month of the last date of concurrent running.
2. In the revision, new test sequence for DC Switches (Test Sequence – VI), Addition of requirements for a conditional short-circuit rating for disconnectors, switches as per Cl. 9.3.7 and New annexures have been added.
3. Licensee shall submit the test report issued from BIS approved Lab alongwith technical file in order to establish conformity against the modified requirements.
4. However, as already specified in the table above, test sequence – IV is not mandatory if the same is not declared by the manufacturer and test Sequence – III is already carried out as a part of conformity. For tests specified in test sequence – VI and Annexures, manufacturer shall declare the same and submit the test report issued from BIS approved Lab in order to establish conformity against the declared requirements.
5. Verification of implementation of the Revised Standard IS/IEC 60947 (Part 3): 2020 shall be done through the verification of Technical file, which shall be completed within one months from the last date of implementation.
6. If the Licensee fails to complete the actions by 02 August 2025, it shall be dealt with as per the

prevailing guidelines

B. APPLICATIONS FOR GRANT OF LICENCE

1. Existing Applications where Sample(s) 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.
2. Applications which are recorded henceforth may be processed with or without Revision. Processing of Applications without Revision shall be permitted only upto 02 August 2025 and for such cases Applicant shall give a declaration that they will implement the Revised Indian Standard by 02 August 2025.
3. After 02 August 2025, no Licence shall be granted without consideration of the Revision.
4. The above guidelines come into force with immediate effect.

Rahul Vishwakarma
Scientist D

Head (CMD III)
DDG (Certification)