



DRAFT INDIAN STANDARD IN WIDE CIRCULATION

Reference : LITD 09/T-24956

Date : 26 February 2024

TECHNICAL COMMITTEE : Electromagnetic Compatibility, LITD 09

To,

All concerned

Dear Madam/Sir,

The following document has been prepared by the Electromagnetic Compatibility Sectional Committee, LITD 09. Please [click here](#) to view the document.

Document Number : LITD 09 (24956) WC

Title of the document : Electromagnetic Compatibility EMC Part 5: Installation and Mitigation Guidelines

Section 1: General Considerations

Document Type : New Indian Standard

This document has following salient features which may require specific attention for your valuable comments:

IEC TR 61000-5-1:2023 which is a technical report, covers general considerations and guidelines on mitigation methods aimed at ensuring electromagnetic compatibility (EMC) among electrical and electronic apparatus or systems used in industrial, commercial, and residential installations. This document is intended for use by all using and installing sensitive electrical or electronic installations and systems, and equipment with high emission levels that could degrade the overall electromagnetic (EM) environment. It applies primarily to new installations, but also applies during modifications or enhancements of legacy installations. Specific topics, such as recommendations on the design and implementation of the earthing system, including the earth electrode and the earth network, the design and implementation of bonding apparatus or systems to earth or to the earth network, the selection and installation of appropriate cables, and the design and implementation mitigation means involving

The practices presented in this document address the EMC concerns of the installation, not the safety aspects of the installation nor the efficient transportation of power within the installation. Nevertheless, these two prime objectives are taken into consideration in the technical observations concerning EMC. These two primary objectives can be implemented concurrently for enhanced EMC of the installed sensitive apparatus or systems without conflict by applying the practices presented in this document and the relevant safety requirements. It is the responsibility of the designer and the installer to select the relevant technique most appropriate to a particular installation. This second edition cancels and

replaces the first edition published in 1996. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition:

- a. restructuring of clauses and subclauses with amending of technical content;*
- b. alignment of the terminology with other parts of the IEC 61000 series, for example with IEC TR 61000-2-5;*
- c. addition of an overview regarding the IEC 61000-5 series in Annex A.*

Please examine the document and share your comments regarding further improvement in the document.

Last date for sharing the comments is : 26 April 2024

The comments should be shared in the prescribed template through this portal only; and the comments so received shall be taken up by the Sectional Committee for necessary action. For any other query, please write an email at litd9@bis.gov.in to the undersigned at Bureau of Indian Standard, Manak Bhawan, 9, Bahadur Shah Zafar Marg, New Delhi.

In case no comments are received, we would presume your approval of the documents. However, in case we receive any comments on the document, the same shall be put up to the Sectional Committee for necessary action.

Thanking You,

Yours faithfully,
Reena Garg
Head (Electronics and Information Technology Department)
Email: litd9@bis.gov.in



व्यापक परिचालन में मसौदा(दे)

हमारा सन्दर्भ : LITD 09/T-24956

दिनांक : 26-02-2024

तकनीकी समिति : Electromagnetic Compatibility Sectional Committee, LITD 09

प्राप्तकर्ता : रूचि रखने वाले सभी निकाय

महोदय/या,

निम्नलिखित मसौदा तैयार किया गया है :

प्रलेख संख्या : LITD 09 (24956) WC

शीर्षक :

कृपया इस/इन मानक(को)/संशोधन(नो) के मसौदे(दो) का अवलोकन करें और अपनी सम्मतियाँ यह बताते हुए भेजें कि यदि ये मानक(को) के संशोधन(नो) के रूप में प्रकाशित हो तो इन पर अमल करने में आपके व्यवसाय अथवा कारोबार में क्या कठिनाइयां आ सकती हैं।

सम्मतियाँ भेजने की अंतिम तिथि : 26 April 2024

सम्मतियाँ, यदि कोई हों तो, कृपया यहाँ क्लिक करके ऑनलाइन पोर्टल के माध्यम से ऊपर दी गयी अंतिम तिथि तक दर्ज कराएं।

यह/ये प्रलेख भारतीय मानक ब्यूरो की वेबसाइट www.bis.gov.in पर भी उपलब्ध है/हैं।

धन्यवाद।

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