



भारतीय मानक ब्यूरो

(उपभोक्ता मामले, खाद्य एवं सार्वजनिक वितरण मंत्रालय, भारत सरकार)

BUREAU OF INDIAN STANDARDS

(Ministry of Consumer Affairs, Food & Public Distribution, Govt. of India)

मानक भवन, 9 बहादुरशाह जफर मार्ग नई, दिल्ली-110002

Manak Bhavan, 9 Bahadur Shah Zafar Marg, New Delhi-110002

Phones: 23230131 / 23233375 / 23239402

Website: www.bis.org.in, www.bis.gov.in

DRAFT INDIAN STANDARD IN WIDE CIRCULATION

Reference : LITD28/T-26631

Date : 08 October 2024

TECHNICAL COMMITTEE : Smart Infrastructure, LITD 28

To,

All concerned

Dear Madam/Sir,

The following document has been prepared by the Smart Infrastructure Sectional Committee, LITD 28. Please [click here](#) to view the document.

Document Number : LITD 28 (26691) WC

Title of the document : Telecommunications and Information Exchange Between Systems Specific Requirements for Local and Metropolitan Area Networks Part 11: Wireless LAN Medium Access Control MAC and Physical Layer PHY Specifications First Revision

Document Type : Revision of Indian Standard (IS/ISO/IEC/IEEE 8802 : Part 11 : 2018)

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

ISO/IEC/IEEE 8802-11:2022, commonly known as IEEE 802.11, is a pivotal standard in telecommunications, specifically designed for wireless local area networks (WLANs). This standard outlines the medium access control (MAC) and physical layer (PHY) specifications essential for efficient communication in local and metropolitan area networks.

The 2022 revision of IEEE 802.11 addresses advancements in wireless technology, enhancing performance, security, and interoperability. It includes critical features like multi-user MIMO (MU-MIMO), enabling simultaneous data transmission to multiple users, which significantly improves network efficiency and user experience. Additionally, the standard incorporates improved spectrum management techniques and robust encryption protocols, bolstering network security against evolving cyber threats.

By defining protocols for wireless communication, IEEE 802.11 facilitates the deployment of a wide range of applications, from enterprise networks to home automation systems. Its widespread adoption underpins the modern wireless ecosystem, supporting everything from basic internet access to advanced IoT applications. Overall, IEEE 802.11:2022 plays a crucial role in ensuring reliable, high-speed wireless connectivity, meeting the increasing demands of users and devices in today's interconnected world.

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

Last date for sharing the comments is : 07 December 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 litd28@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: litd28@bis.gov.in**



व्यापक परिचालन में मसौदा(दे)

हमारा सन्दर्भ : LITD28/T-26631

दिनांक : 08-10-2024

तकनीकी समिति : Smart Infrastructure Sectional Committee, LITD 28

प्राप्तकर्ता : रूचि रखने वाले सभी निकाय

महोदय/या,

निम्नलिखित मसौदा तैयार किया गया है :

प्रलेख संख्या : LITD 28 (26691) 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 : 07 December 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।

भवदीय/भवदिया,
विभाग प्रमुख का नाम : REENA GARG
(Electronics and Information Technology Department)
ई-मेल : litd@bis.gov.in