# DRAFT INDIAN STANDARD IN WIDE CIRCULATION

**Reference : LITD 20/T-23329**                    **Date : 21 September 2023**

**TECHNICAL COMMITTEE : Indian Language Technologies And Products, LITD 20**

To,

**All concerned**

Dear Madam/Sir,

The following document has been prepared by the Indian Language Technologies And Products Sectional Committee, LITD 20. Please click here to view the document.

**Document Number : LITD 20 (23329) WC**
**Title of the document : Information Processing Implementation of the 7- Bit Coded Character Set and its 7-Bit and 8- Bit Extensions on 381 mm Magnetic Cassette for Data Interchange First Revision**
**Document Type : Revision of Indian Standard (IS 12877 : 1989)**

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

*1)  IS 12877 is a Indian standard that specifies the implementation of the 7-bit coded character set and its 7-bit and 8-bit extensions on a 381 mm magnetic cassette for data interchange.*

*2) The 7-bit coded character set is commonly known as ASCII (American Standard Code for Information Interchange), and it is widely used for character encoding in computers and communication systems.*

*3) The 7-bit extension is an enhancement to the ASCII character set that adds additional control characters and special characters.*

*4) The 8-bit extension is another enhancement to the ASCII character set that allows for the representation of additional characters beyond the 7-bit range.*

*5) The use of a 381 mm magnetic cassette allows for the storage and transfer of large amounts of data in a compact and portable format.*
*6) IS 12877 specifies the format and structure of the data on the magnetic cassette, including record positioning and the encoding scheme used for character representation.*

*7) The standard ensures compatibility and interoperability between systems that utilize the 7-bit coded character set and its extensions on a 381 mm magnetic cassette.*

*8) Implementing IS 12877 helps improve data exchange and information processing efficiency by providing a standardized method for storing and transmitting data on a magnetic cassette for data interchange.*

*9) IS 12877 is one of the many standards developed by the Bureau of Indian Standards (BIS) to facilitate uniformity and standardization in various fields, including information processing and data interchange.*

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

**Last date for sharing the comments is : 30 December 2023**

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 litd20@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: litd20@bis.gov.in**

<p align="center">व्यापक परिचालन में मसौदा(दे)</p>

हमारा सन्दर्भ : LITD 20/T-23329                                         दिनांक : 21-09-2023

**तकनीकी समिति : Indian Language Technologies And Products Sectional Committee, LITD 20**

**प्राप्तकर्ता : रूचि रखने वाले सभी निकाय**

महोदय/या,

**निम्नलिखित मसौदा तैयार किया गया है :**

**प्रलेख संख्या : LITD 20 (23329) WC**
**शीर्षक :**

कृपया इस/इन मानक(को)/संसोधन(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 : 30 December 2023**

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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भवदीय/भवदिया,<br>
<b>विभाग प्रमुख का नाम : REENA GARG</b><br>
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