

BUREAU OF INDIAN STANDARDS

DRAFT FOR COMMENTS ONLY

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मसौदा भारतीय मानक
मुख्य प्रबंधन प्रोटोकॉल (केएमपी)
डेटाग्राम परिवहन के लिए अनुशंसित अभ्यास
(पहला पुनरीक्षण)

Draft Indian Standard
Recommended Practice for
Transport of Key Management
Protocol (KMP) Datagrams
(First Revision)

ICS 35.110

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NATIONAL FOREWORD

(Formal clauses will be added later)

This Draft Indian Standard (First Revision) which is identical with ‘IEEE 802.15.9-2021 IEEE Standard for Transport of Key Management Protocol (KMP) Datagrams’ issued by the Institute of Electrical and Electronics Engineers (IEEE) *will be* adopted by the Bureau of Indian Standards on the recommendation of the Smart Infrastructure Sectional Committee and approval of the Electronics and Information Technology Division Council.

This standard was originally published in 2021 and was identical with IEEE Std 802.15.9-2016. The first revision of this standard under taken to align it with the latest version of International Standard IEEE 802.15.9-2021.

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The text of IEEE Standard *will be* approved as suitable for publication as an Indian Standard without deviations. Certain conventions are however not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- a) Wherever the words ‘International Standard’ appears referring to this standard, they should be read as ‘Indian Standard’.
- b) Comma (,) has been used as a decimal marker while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

In this adopted standard, reference appears to certain International Standards for which Indian Standards also exist. The corresponding Indian Standards, which are to be substituted in their respective places, are listed below along with their degree of equivalence for the editions indicated. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies:

International standards	Corresponding Indian standards	Degree of Equivalence
IEEE Std 802.15.4™, IEEE Standard for Low-Rate Wireless Networks.	IS 802.15.4: 2021 Low-Rate Wireless Networks	Identical

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS 2:2022 ‘Rules for rounding off numerical values (*Second Revision*)’. The number of significant places retained in the rounded off value should be same as that of the specified value in this standard.

SCOPE OF IEEE Std 802.15.9-2021

“This standard defines security key management extensions to address session key generation (both 128-bit and 256-bit key lengths), the creation and/or transport of broadcast/multicast keys, and security algorithm agility. This standard maintains backwards compatibility with IEEE Std 802.15.9-2016.”

Note: - The Technical content of this document has not been enclosed as these are identical with the corresponding IEEE Standard. For details, please refer to IEEE Std 802.15.9-2021 or kindly contact.

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