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ICS 33.060.99
CCS M36

YDB

YDB 084-2012

Light weight IPv6 protocol for IPv6 low-power wireless personal area networks

适用于低功耗松散网络（LLN）环境下的轻量级IPv6协议

(English Translation)

Issued by: Ministry of Industry and Information Technology

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1 Foreword

YDB 084-2012 was issued by Ministry of Industry and Information Technology on 25 March 2012.

The document runs to 24 pages in English translation.

2 Scope Preview

This standard specifies the technical requirements for the lightweight IPv6 protocol for low-power wireless personal area network environments, including the 6LoWPANA basic protocol, the 6LoWPAN neighbor discovery protocol, and the header compression algorithm. This standard MAC layer only studies IEEE802.15.4 standard, other MAC layer technology and related routing protocols for 6LoWPAN network are not in the scope of this report. This standard applies to the application of IPv6 technology in intelligent small object interconnection.

YDB 084-2012 falls under ICS 33.060.99, in the field of telecommunications.

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This catalogue holds 20 other YDB standards in that field.

In this catalogue, YDB standards carry edition years from 2011 to 2018.

3 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document.

IEEE 802.15.4-2006

IETF RFC 4861-2007

IETF RFC 4919-2007

IETF RFC 4944-2007

4 About this standard

Issued by: Ministry of Industry and Information Technology

English translation: about 24 pages (approximate)

5 Related standards

Standards on related subjects:

GB/T 32401-2015 - Technical requirements and measurement methods for VHF/UHF frequency

YD/T 1484-2011 - Measurement method for radiated RF power and receiver performance of mobile stations

GB/T 12572-2008 - Universal requirements and measurement methods of parameters for radio transmitting equipment

YDB 183-2017 - General technical requirements and test methods for satellite communication terminals

YDB 179-2017 - Mobile application software store information security test method

6 Classification and status

International classification (ICS): 33.060.99

Chinese Standard Classification (CCS): M 36

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