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**Information technology - Telecommunications and information exchange between
systems local and metropolitan area networks - Specific requirements - Part 15.4:
Wireless medium access control and physical layer (PHY) specification for low rate
wireless personal area networks**

信息技术 系统间远程通信和信息交换 局域网和城域网 特定要求 第15部分：低速
无线个域网（WPAN）媒体访问控制和物理层规范

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Foreword

Appendix A of this section is normative appendix, Appendix B, Appendix C, Appendix D is an informative annex. This part of the National Information Technology Standardization Technical Committee and centralized. This part mainly drafted by: Beijing Granville Technology Co., amethyst, HiSilicon Technologies Co., Ltd., Beijing University of Aeronautics and Astronautics Science, China Electronics Standardization Institute, Xi'an Electric Co., Ltd. Jietong wireless network communications. The main drafters of this section. Li Liang, Liu Pei, Yang Chenyang, Zhuolan, Xiangdong, Huang Zhenhai, Tian Yafei, Zhang, Zhao Zhenfeng, Wang, Xiao Yue Lei, Guan Yong, Iron Man-xia, GUO Nan, East Asia Wu, Xu Pingping, Court Crone, Xing Tao, ZHAO Yuping, Cheng Yu and so on.

This section provides the MAC and physical layer specifications low speed wireless personal area networks for fixed, portable and mobile devices, These devices only very limited battery power, and the main work in the limited personal space. Given the IEEE802.15.4 of Electrical and Electronics Engineers (IEEE).2006 with the scope of this section is similar. Special Statement as follows:

- a) This section and IEEE802.15.4. When 2006 is inconsistent with this section shall prevail;
- b) This section and IEEE802.15.4.2006 version of the part in common (including reg, figures, tables)

0 Table control. Table 0 portion IEEE802.15.4.2006 reference table No. This section IEEE802.15.4.2006 Chapter

1 Scope

GB/T 15629.15-2010 is the Chinese national standard on information technology - telecommunications and information exchange between systems local and metropolitan area networks - specific requirements - part 15.4: wireless medium access control and physical layer (phy)) specification for low rate wireless personal area networks, in the field of telecommunications and audio-video engineering. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 2 September 2010 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 February 2011.

Classification: ICS 33.040.40, CCS L78. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This section GB/T 15629 specifies the low-speed wireless personal specifications physical layer and media access control layer domain network, this low-speed wireless Access for fixed, portable, mobile devices, these devices without batteries or with only very limited battery power, and the main work in Limited personal space (0m ~ 10m). This standard does not specify cryptographic algorithms, cryptographic algorithms and specific information contact the State Encryption Administration. Password referred to in this section Algorithm only as examples.

2 Normative references

The following documents contain provisions which, through reference

GB/T 15629 in this section constitute provisions of this section. Where dated references, All subsequent amendments (not including errata content) or revisions do not apply to this section, however, encourage each agreement under this section Are Prescriptions can use the latest versions of these documents. For undated reference documents, the latest versions apply to this section. Between

GB/T 15629.2-2008 Information technology - Telecommunications and information exchange between local area networks and metropolitan area networks-specific requirements - Part 2. LLC IEEE802.15.4. between 2006 Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks Specific requirements

15.4 parts. the low speed wireless personal area network (WPAN) MAC and physical layer specifications IEEE802.15.4.2003 Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks Specific requirements

15.4 parts. the low speed wireless personal area network (WPAN) MAC and physical layer specifications

3 Terms and Definitions

The following terms and definitions apply to this section.

3.1 Alternatively area network (PAN) coordinator alternatepersonalareanetwork (PAN) coordinator If the personal area network coordinator for any reason to exit the network, a coordinator can substitute another coordinator of the area network. Domain Or network can not have more alternative coordinator.

3.2 Related association Used to establish the relationship between a service member in a wireless personal area network.

3.3 Identification Tag authenticationtag It can be used to verify the authenticity of the message information.

3.4 There beacon capability area network beacon-enabledpersonalareanetwork (PAN) All within the personal area network coordinator can send regular beacon that the beacon index is less than 0x0F.

20 Table

78 Table 0 (Continued) No. This section IEEE802.15.4.2006

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