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ICS 33.060
CCS M36

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4605-2023

Cellular Narrowband Access for the Internet of Things (NB-IoT) Base Station Equipment Technical Requirements and Test Methods (Phase 2)

面向物联网的蜂窝窄带接入（NB-IoT） 基站设备技术要求和测试方法（第二阶段）

(English Translation)

Issued on: December 20, 2023 **Implemented on: April 1, 2024**

Issued by: Ministry of Industry and Information Technology

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1 Foreword

YD/T 4605-2023 was issued by Ministry of Industry and Information Technology on 20 December 2023 and has been in force since 1 April 2024.

The YD/T prefix marks a recommended standard. It is not law in itself: it becomes binding when a contract names it, when a regulation or a mandatory standard refers to it, or when a producer declares conformity with it.

The document runs to 15 pages in English translation.

2 Scope Preview

This standard specifies the functional requirements, performance requirements and S1 interface requirements, operation and maintenance requirements, synchronization requirements, environmental requirements, and battery and grounding requirements for cellular narrowband access (NB-IoT) base station equipment (second phase) for the Internet of Things. The communication test method for cellular narrowband access (NB-IoT) base station equipment (Phase 2) for the Internet of Things is described. This standard applies to the design and application of base station equipment for cellular narrowband access (NB-IoT) base station equipment (second phase) for the Internet of Things.

YD/T 4605-2023 falls under ICS 33.060, in the field of telecommunications.

This catalogue holds 3,420 other YD/T standards in that field.

In this catalogue, YD/T standards carry edition years from 1982 to 2026.

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3 About this standard

Sector: Telecommunication Industry Standard (Recommended)

Issued by: Ministry of Industry and Information Technology

English translation: about 15 pages (approximate)

4 Related standards

Standards on related subjects:

YD/T 3711-2020 - Technical requirement of IMS based vehicle eCall system based on public telecommunication network

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

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

YD/T 4608.3-2024 - Technical requirements for unified file interface for 5G network test data collection - Part 3: Requirements for chip raw frame collection

YD/T 4606-2023 - LTE digital cellular mobile communication network Enhanced Machine Type Communications (eMTC) Terminal Equipment Technical Requirements (Phase 2)

YD/T 4604-2023 - 5G user premises equipment general management northbound interface technical requirements

5 Classification and status

International classification (ICS): 33.060

Chinese Standard Classification (CCS): M 36

Prefix YD/T: recommended standard.

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