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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 6142-2024

5G Industrial Internet application scenarios and technical requirements for mining

面向矿山领域的5G+工业互联网应用场景及技术要求

(English Translation)

Issued on: December 10, 2024 **Implemented on: April 1, 2025**

Issued by: Ministry of Industry and Information Technology

Preview: page 1 of 4 shown, 15 in the full document. Complete English PDF, instant download:
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Table of Contents

[Preview only]
1 Scope
2 Normative References
2.1 Term
3 Terms and Definitions
3.2 Abbreviations
3.3 Specifications
3.4 Product model and designation
3.5 Product marking
4 Product Classification
4.1 General
4.2 Model and name
4.3 Test Waveform
4.4 Product labelling
5 Requirements
5.2 Chemical components
5.3 SPD Disconnector Inspection
5.4 Environmental protection property
5.5 Material compatibility
5.6 Spurious emission
5.7 Transmit Spectrum Mask
5.8 Time of Rising Edge and Falling Edge
5.9 In-band Flatness
6 Test methods
6.2 Term restrictions
6.3 End-of-manufacturing inspection
6.4 Type inspection
6.5 Phone Program
6.6 OTASP/OTAPA Function
6.7 Processing of PIN
6.8 Fixed Dialing Number (FDN)
6.9 Abbreviated Dialing Number (ADN)

Preview: page 2 of 4 shown, 15 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/yd-t-6142-2024

7 Inspection Rules
7.1 Packaging
7.2 Marking
7.3 Transport
7.4 Storage
7.5 Safety Test for Temporary Overvoltage Failure
7.6 Test of Temporary Overvoltage Withstand Characteristic
7.7 SPD Thermal Stability Test
8 Marking, Packing, Transport and Storage
8.1 Voltage Drop Test
8.2 Surge Withstand Capability at Load side
8.3 Short-circuit Withstand Capability at Load Side
9 Environmental Applicability Test
9.1 Vibration Test
9.2 High Temperature Test
9.3 Low Temperature Test
9.4 Alternating Humid Heat Test
9.5 Performance requirements for radio resource management

1 Foreword

YD/T 6142-2024 was issued by Ministry of Industry and Information Technology on 10 December 2024 and has been in force since 1 April 2025.

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 classification of 5G+ industrial Internet application scenarios for the mining field and the technical requirements of five typical application scenarios in the actual operation process of the mine. This standard applies to the formulation of 5G+Industrial Internet solutions, product development and system construction in the mining field, and also applies to the review and evaluation of the technical indicators of 5G+Industrial Internet products in the mining field by third-party testing organizations.

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YD/T 6142-2024 carries no ICS number and no Chinese Standard Classification code.

This catalogue holds 6,667 other YD/T standards.

Of the 4,379 YD/T standards that do carry an ICS number, 3,421 (78%) fall under ICS 33, in the field of telecommunications.

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:

JB 2293-1978 - Wind tunnel test method of radiator of automobile and tractor

YD/T 4046-2022 - Cloud computing open application model

YD/T 4045-2022 - Big data - technical requirements and test methods for message middleware

YD/T 4044-2022 - Technical requirements for AI-based knowledge graph construction

5 Classification and status

Prefix YD/T: recommended standard.

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