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ICS 33.020
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YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 3888.7-2023

Technical requirements for intelligent maintenance of communication networks - Part 7: Robot-based intelligent inspection of communication networks

通信网智能维护技术要求 第7部分：基于机器人的通信网智能巡检

(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 3888.7-2023 was issued by Ministry of Industry and Information Technology on 20 December 2023 and has been in force since 1 April 2024.

It is one of 7 parts of the YD/T 3888 series.

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.

2 Scope Preview

This standard specifies the technical requirements for robot-based intelligent inspection of communication networks, mainly including inspection objects, robot intelligent inspection systems and related interface technical requirements. This standard applies to the design, development and application of equipment and systems required for inspection of indoor communication equipment, power environment and outdoor communication infrastructure using robot-based intelligent inspection technology.

YD/T 3888.7-2023 falls under ICS 33.020, 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

Other parts of this standard:

YD/T 3888.1-2021 - Technical Requirements for Intelligent Maintenance of Communication Network - Part 1: Basic Principles

YD/T 3888.2-2021 - Technical Requirements for Intelligent Maintenance of Communication Network - Part 2: Intelligent Maintenance Support System

YD/T 3888.3-2021 - Technical Requirements for Intelligent Maintenance of Communication Network - Part 3: Intelligent Maintenance Information Model

YD/T 3888.4-2023 - Part 4: General process of intelligent maintenance

YD/T 3888.5-2023 - Part 5: Intelligent maintenance of communication networks based on wearable devices

YD/T 3888.6-2024 - Part 6: UAV-based intelligent inspection of communication networks

Standards on related subjects:

GB/T 41301-2022 - Management requirements of IPv6 address in intelligent manufacturing environments

YD/T 1730-2008 - Implementation Guide for Security Risk Assessment of Telecom Network and Internet

YD/T 1548.1-2007 - 2GHz WCDMA digital cellular mobile communication network terminal equipment testing method (second stage) - Part 1: Basic functions, operations and performance testing

5 Classification and status

International classification (ICS): 33.020

Chinese Standard Classification (CCS): M 11

Prefix YD/T: recommended standard.

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