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ICS 33.040.50
CCS M42

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4851-2024

YANG model for broadband access network slicing based on SDN

基于SDN的宽带接入网 接入网切片YANG模型

(English Translation)

Issued on: July 5, 2024 **Implemented on: October 1, 2024**

Issued by: Ministry of Industry and Information Technology

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1 Foreword

YD/T 4851-2024 was issued by Ministry of Industry and Information Technology on 5 July 2024 and has been in force since 1 October 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 YANG model and slice management operations of the northbound interface of the SDN controller, the YANG model and slice operations of the southbound interface of the SDN controller, and the slice management data model of the optical network unit (ONU) interface in broadband access networks based on software defined networks (SDN). This standard applies to the development and production of access network equipment, access network control systems and slice management platforms that support slicing functions in public telecommunication network environments, and can also be used as a reference for dedicated telecommunication networks.

YD/T 4851-2024 falls under ICS 33.040.50, 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 1092-2023 - Telecommunication cables - Foamed polyolefin dielectric, corrugated copper-tube outer conductor, 50 Ohm radio-frequency coaxial cable for wireless communications

YD/T 2165-2010 - Technical specification of modular uninterruptible power systems for telecommunications

YD/T 841-1996 - Underground communication pipe with plastic pipe

YD/T 4853-2024 - Technical requirements for access network slicing equipment

YD/T 4852-2024 - SDN-based broadband access network testing method Controller southbound interface based on PON device YANG model

YD/T 4850-2024 - Broadband access network controller based on SDN

5 Classification and status

International classification (ICS): 33.040.50

Chinese Standard Classification (CCS): M 42

Prefix YD/T: recommended standard.

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