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ICS 33.040.40
CCS L79

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 6179-2024

Software Defined Network (SDN) Controller Performance Test Method

软件定义网络（SDN）控制器性能测试方法

(English Translation)

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

Issued by: Ministry of Industry and Information Technology

Preview: page 1 of 3 shown, 15 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/yd-t-6179-2024

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1 Foreword

YD/T 6179-2024 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 performance test methods for software-defined network (SDN) controllers, including performance testing, scalability testing, security testing, and reliability testing. This standard is applicable to the performance testing of software-defined network (SDN) controllers in stand-alone mode and cluster mode.

YD/T 6179-2024 falls under ICS 33.040.40, 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.

3 About this standard

Sector: Telecommunication Industry Standard (Recommended)

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English translation: about 15 pages (approximate)

4 Related standards

Standards on related subjects:

GB/T 17969.1-2015 - Information technology -- Open systems interconnection -- Procedures for the operation of OSI registration authorities -- Part 1: General procedures and top arcs of the International Object Identifier tree

GB/T 17143.7-1997 - Information technology. Open Systems Interconnection. Systems Management. Part 7: Security alarm reporting function

GB/T 17143.4-1997 - Information technology. Open Systems Interconnection. Systems Management. Part 4: Alarm reporting function

YD/T 6783-2026 - Identification and resolution for the Industrial Internet - Active identifier carrier - Test method of universal integrated circuit card

YD/T 6727-2026 - Technical requirements for IP based satellite access source address validation

YD/T 4432.6-2026 - Technical requirements for the inter-domain source address validation (SAVA-X) - Part 6: operation, administration, and maintenance (OAM)

5 Classification and status

International classification (ICS): 33.040.40

Chinese Standard Classification (CCS): L 79

Prefix YD/T: recommended standard.

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