

ICS 33.040.20
CCS M30

YD

**INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

YD/T 6649-2026

**Industrial Internet - Campus network - Technical requirements
of converged transmission equipment based on SPN**

工业互联网 园区网络 基于SPN的融合传输设备技术要求

(English Translation)

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Foreword

YD/T 6649-2026 is a recommended industry standard of the People's Republic of China in the Telecom sector, approved and issued by the Ministry of Industry and Information Technology on 11 March 2026, with effect from 1 June 2026.

It is administered by the China Communications Standards Association.

Classification: ICS 33.040.20; CCS M30.

1 Scope

YD/T 6649-2026 specifies the technical requirements for converged transmission equipment based on SPN (Slicing Packet Network) in industrial internet campus networks. It covers the architecture, functional requirements, interface requirements, performance requirements, requirements for scalability and upgrade capability, and availability requirements. The document applies to the design and development of converged transmission equipment for industrial internet campuses, and it provides a basis for the planning, construction, maintenance and operation of campus networks.

The standard is used by transmission equipment manufacturers, campus network designers and operators, and carriers that build campus networks for industrial customers. It is a voluntary standard, as shown by the /T in its code. It was issued by the Ministry of Industry and Information Technology on 11 March 2026 and takes effect on 1 June 2026. It is a new standard.