

ICS 33.040.40
CCS M19

YD

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

YD/T 6917-2026

**Interface requirements of control layer in intent-based network
for SDN/NFV intelligent network**

基于SDN/NFV的智能型通信网络 随愿网络控制层接口技术要求

(English Translation)

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Foreword

YD/T 6917-2026 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 1 June 2026, with effect from 1 September 2026.

It is administered by the China Communications Standards Association.

Classification: ICS 33.040.40; CCS M19.

1 Scope

This document specifies the technical requirements for the interfaces of the control layer in an intent-based network for an SDN/NFV-based intelligent communication network. It includes the interaction mechanisms between the control layer and both the intent layer and the network layer of the intent-based network, and the transfer of information between them.

It applies to intent-based networks within SDN/NFV-based intelligent communication networks. Equipment and software developers, system integrators and operators that build such networks are typical users. The /T in the code marks it as a voluntary standard. It was approved by the Ministry of Industry and Information Technology, issued on 1 June 2026 and takes effect on 1 September 2026. It is a new standard and does not replace an earlier edition, so developers of control layer interfaces can use it as a single reference.