

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

YD/T 3417-2018

**Technical requirements of Intermediate-Controller plane
interface for Software-Defined Optical Transport
Network(SDOTN)**

软件定义光传送网（SDOTN）控制器层间接口技术要求
(English Translation)

Issued on: December 21, 2018

Implemented on: April 1, 2019

Issued by: Ministry of Industry and Information Technology

Table of Contents

What this standard covers	1
Document data	2

What this standard covers

This standard specifies the technical requirements of the inter-controller interface of the software-defined optical transport network (including the OCh layer, the ODU layer and the Ethernet layer), including the inter-layer interface functional requirements, interface classification, protocol requirements, interface information model, Object properties, YANG data structure, REST protocol implementation, Openflow protocol implementation, etc. This standard applies to the inter-layer interface of the software-defined optical transport network controller.

Document data

Chinese classification (CCS): M33.

Estimated length of the Chinese original: 187,156 words.