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

YD/T 1017-2011

Replacing YD/T 1017-1999

**Network node interface for the synchronous digital hierarchy
(SDH)**

同步数字体系(SDH)网络节点接口
(English Translation)

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Table of Contents

What this standard covers	1
Document data	2
Standards quoted by this document	3

What this standard covers

This standard specifies the synchronous digital hierarchy (SDH) network node interface (NNI) technical requirements, including: STM-N signal bit rate, STM-N signal frame structure, user signal unit to the STM-N frame mapping and multiplexing in the format, and the synchronous digital network, the NNI STM-N frame, various overhead functions definition and implementation. This standard applies to public telecommunications network as the basic means of fiber-optic transmission network, including inter-provincial trunk, trunk and trunk network in the province. Access network, dedicated telecommunications networks, and wireless transmission network can also refer to the use.

Document data

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Standards quoted by this document

GB/T 16712; GB/T 20185; YD/T 1443; YD/T 1462-2006; ITU-T G.704; ITU-T G.707/Y.1322-2007; ITU-T G.7042/Y.1305-2004; ITU-T G.802; ITU-T G.803-2000; ITU-T G.806-2006; ITU-T G.831-2000; ITU-T G.841; ITU-T G.984.3 AMD 3-2007; ITU-T G.991.2-2003; ITU-T I.432.1; ITU-T O.181; ETSI ETS 300216; IEEE 802.3AE-2002