

ICS 33.040.20

CCS M33



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

GB/T 14731-2008

Replacing GB/T 14731-1993

Synchronous digital hierarchy (SDH) bit rates

同步数字体系 (SDH) 的比特率

Issued on: October 7, 2008

Implemented on: April 1, 2009

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine of the People's Republic of China;
Standardization Administration of China**

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Foreword

The standard reference International Telecommunication Union - Telecommunication Standardization Sector (ITU-T) Recommendation G. 707/Y. 1322.2007 "Synchronous Digital Hierarchy (SDH) Network Node Interface, "Section 6.3. Writing rules using the relevant provisions of the work of standardization. This standard replaces GB/T 14731-1993 "Synchronous Digital Hierarchy (SDH) bit rate." This standard GB/T 14731-1993 specific amendments are as follows:

- a) According to the work of standardization of the relevant provisions of the original standards in Chapter 1, "subject matter and scope" was changed to Chapter 1 "Scope", Chapter 2, "the term" modified to Chapter 3, "Terms and Definitions", it adds another Chapter 2, "Normative references" and Chapter 4, "Abbreviations";
- b) Chapter 4, "bit-rate synchronous digital hierarchy" was changed to Chapter 5, "bit-rate synchronous digital hierarchy," while according to ITU-T built Yee G. 707/Y. 1322.2007 adds support for STM-0, STM-64, STM-256 signal bit rate of the relevant norms. The standard proposed by the Ministry of Industry and Information Technology of the People's Republic of China. The standard by the China Communications Standards Association is responsible for centralized. This standard was drafted. Ministry of Information Industry Telecommunications Research Institute. The main drafters of this standard. Zhao Wenyu, Zhang Jian, Hu Changjun Li Wei, Tang Rui. This standard was first published in 1993, this is the first revision. Synchronous Digital Hierarchy (SDH) bit rates

1 Scope

GB/T 14731-2008 is the Chinese national standard on synchronous digital hierarchy (sdh) bit rates, in the field of telecommunications and audio-video engineering. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 7 October 2008 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 April 2009.

Classification: ICS 33.040.20, CCS M33. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies the Synchronous Digital Hierarchy (SDH) bit rate levels. This standard applies to private and public telecommunication networks SDH telecommunications system, including a network node interface (NNI), with SDH Optical Interface cable digital line systems, digital microwave systems.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard. Frame structure

GB/T 15409-2008 synchronous digital hierarchy signals

3 Terms and Definitions

The following terms and definitions apply to this standard.

3.1 SDH is set can be synchronized digital transmission, digital transmission multiplex standardized grading structure and cross-connect for physical Transfer medium transport payload through adaptation.

3.2 Synchronous Transport Module (STM) is a particular information structure, the STM-0, STM-1 basic modules and higher order modules STM-N ($N = 16, 64$) composition. This standard specifies the STM-0, STM-1 and STM-N relationship, the specific information structure by STM GB/T 15409-2008 requirements.

3.3 Network Node Interface (implements end, multiplexing, cross-connect and switching functions) between.

3.4 It indicates that the network node interface part of the bit stream can be used for telecommunication services. Signaling should be included in the payload.

4 Abbreviations

The following abbreviations apply to this standard. NNI NetworkNodeInterface Network Node Interface Synchronous Digital Hierarchy SDH SynchronousDigitalHierarchy Synchronous Transport Module STM SynchronousTransportModule Synchronous digital hierarchy bit rates of 5 SDH signals by different order Synchronous Transport Module (STM-N) signals, of which N is a positive integer and 0. Than STM-0 signals Special rates

are 51840kbit/s, the bit rate of the basic module STM-1 signal is 155520kbit/s, while the high-end module (STM-N) signals

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