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

GB/T 11599-2009

Replacing GB/T 11599-1989

**Use on public data networks of data terminal equipment (DTE)
which is designed for interfacing to synchronous V-series
MODEMs**

与同步V系列调制解调器接口的数据终端设备（DTE）在公用数据网上的用法
(English Translation)

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Foreword

This standard is equivalent to ITU-TX. 21bis. 1988 "Data Terminal Equipment (DTE) with interface to synchronous V-series modems Public data online usage "(in English).

This standard replaces GB/T 11599-1989 "Data terminal equipment (DTE) that interfaces with synchronous V-series modems in public numbers According to online usage ".

This standard and GB/T 11599-1989 compared to the main changes are as follows.

- Added Chapter 1, "Scope", Chapter 2, "Normative References", Chapter 3, "Abbreviations", the original chapter in sequence;

--- will be cited standard "GB 11589-1989" revised to "GB/T 11589", the reference standard "GB 11593-1989" revised to "GB/T 11593", the reference standard "GB 11595-1989" revised to "GB/T 11595";

--- increase 5.1 overview;

- 5.2.1.1 "However, in the case of half-duplex facilities, the detection of line signals should be replaced by some other control mechanism." in the case of half-duplex facilities, the detection of line signals should be replaced by some other control mechanism. "

--- In the 6.2.1.1.3DCE clear indication/DTE clear confirmation, "After the DCE clear indication is issued on circuit 107 Within 100 ms, the DTE turns the circuit 108/1 or 108/2 into an off state to give the DTE clear acknowledgment signal "modified to" the DTE turns the circuit 108/1 or 108/2 into an off state within 500 ms after the DCE clear instruction is issued on the circuit 107 Give DTE clear confirmation signal ";

--- 6.3.1 "DTE Controllable Not Ready" to "Controlled DTE Not Ready";

--- 6.3.2 "DTE controllable not ready" to "controlled DTE not ready";

- In the 7.3.2 local test loop --- Category 3 loop, "in the country test rules allow the occasion, the loop 3 can be from A state is established. "Revised to" Loop 3 can be established from any of the conditions that meet the relevant domestic test standards. " - In the 7.3.2 local test ring --- type 3 loop, the "DCE test loop on the specific device selected by

the country." "The specific equipment on the test loop of the DCE can be harmonized according to the actual situation of the relevant domestic testing standards.

--- In the 7.3.3 network test loop --- the second type of loop, "in the national test principle allows the occasion, DTE can Under the use of loop 2. "modified to" in line with the relevant domestic test standards under the conditions, DTE can be used as follows loop 2. ".

--- In the 7.3.3 network test loop --- the second type of loop, the "DCE test loop of the exact device is the national option Purpose. "Modified to" DCE test loop within the exact device by the relevant domestic test standards according to the actual situation uniform specification.

" - In the 7.3.3 network test loop - type 2 loop, the method used for loop control and automatic control is defined by National choice. "Modified to" loop control and the use of automatic control methods used by the relevant domestic testing standards based on the real Uniform norms of the situation. " Appendix A of this standard is a normative appendix.

This standard is proposed by the Ministry of Industry and Information Technology of the People's Republic of China.

This standard is under the jurisdiction of China Communications Standardization Association.

The drafting unit of this standard. Ministry of Industry and Information Technology Telecommunications Research Institute.

1 Scope

This standard specifies the operating method and optional performance of the data circuit when interconnecting the data terminal equipment of the V-series modem Claim.

This standard is suitable for V series modem synchronization interface equipment selection and design.

2 Normative reference documents

The terms of the following documents are hereby incorporated by reference into this standard. Whichever is the date of the reference file, which is followed by all (Excluding corrigenda) or revisions do not apply to this standard, however, encourage the parties to reach an agreement under this standard Whether you can use the latest version of these files. For undated references, the latest edition applies to this standard.

Interface code definition table between GB/T 3454 data terminal equipment (DTE) and data circuit terminating device (DCE) (GB/T 3454-1982, idtITU-TV.24. 1980) GB/T 3455 Electrical characteristics of unbalanced double-flow interface circuits (GB/T 3455-1982, idtITU-TV.28. 1980) GB/T 6107 Interface between data terminal equipment and data circuit using serial binary data exchange Termination devices (GB/T 6107-2000, idtEIA/TIA-232-E..1991) GB/T 7618 Electrical characteristics of unbalanced dual-stream interface

circuits commonly used in integrated data in the field of data communications (GB/T 7618-1987, eqvITU-TV.10. 1984) GB/T 7619 Electrical characteristics of balanced double-flow interface circuits commonly used in the field of data communications with integrated circuit equipment (GB/T 7619-1987, eqvITU-TV.11. 1984) GB/T 7623 Automatic answering equipment and/or parallel automatic calling equipment on the telephone automatic switching network, including manual and automatic construction (GB/T 7623-1987, eqvITU-TV.25. 1984) when the echo control device is stopped GB/T 9412 Modems for 48kbit/s data transmission for 60 ~ 108kHz base group circuits (GB/T 9412-1988, eqvITU-TV. 35. 1984) GB/T 9950 data communication 37 pin DTE/DCE interface connector and contact number assignment (GB/T 9950-1988, idt ISO 4902. 1980) GB/T 9951 Data communication system between the remote communication and information exchange 34 pin DTE/DCE interface connector with the Dimensions and contact number assignments (GB/T 9951-1988, idt ISO 2593. 1984) GB/T 11589 International User Service Category and Access Types for Common Data Networks and Integrated Services Digital Network (ISDN) (GB/T 11589-1999, eqvITU-TX.1..1996) GB/T 11593 Common data Synchronous work between the data terminal equipment (DTE) and the data circuit terminating device (DCE) (GB/T 11593-2001, eqvITU-TX.21..1992) GB/T 11595 Dedicated circuit connected to the public data network packet data terminal equipment (DTE) and data circuit termination (DCE) interface (GB/T 11595-1999, idtITU-TX.25..1996)

3 Abbreviations

The following abbreviations apply to this standard.