

JIS

JAPANESE INDUSTRIAL STANDARD

**Character Structure on the
Transmission Circuits and
Horizontal Parity Method**

JIS X 5001—1982

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JAPANESE INDUSTRIAL STANDARD

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Character Structure on the Transmission
Circuits and Horizontal Parity Method

X 5001-1982

1. Scope

This Japanese Industrial Standard specifies the character structure on the transmission circuits and the horizontal parity method during transmission and reception of data in the data communication system.

2. Definitions

The meanings of primary terms appearing in this standard are given below:

- (1) data transmission circuit The circuit which consists of data communication channels used for transmission and reception of data.
- (2) character The element which is used for structuring, controlling and expressing data. The character can be a letter, a digit, a symbol, or one indicating a control function.
- (3) seven-bit code The code which expresses a letter, a digit, a symbol, or a control function in seven bits to encode a character.
- (4) digital binary series A type of data transmission in which data expressed in binary condition 0 and 1 are consecutively transmitted as time series through a single circuit. For instance, the method in which characters are consecutively transmitted as time series consisting of $b_1, b_2, b_3, \dots$.
- (5) start-stop system A type of synchronization in which each code (a group of elements) corresponding to a character signal is preceded by a start element and followed by a stop element.
- (6) synchronous system A type of synchronization in which any time interval between two significant instants has a duration being an integral multiple of that of the unit interval.
- (7) data signalling rate The rate of data transmission between two terminal equipments. The unit of the rate is bit/sec. The data signalling rate in the digital binary serial transmission is the reciprocal of its minimal significant time interval expressed in seconds.

Applicable Standard:

JIS X 0201-Code for Information Interchange



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