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(JEITA/JSA)

**Information technology — Data
interchange on 12.7 mm 208-track
magnetic tape cartridges — DLT6
format**

ICS 35.220.23

Reference number : JIS X 6174 : 2004 (E)

Foreword

This translation has been made based on the original Japanese Industrial Standard established by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee according to the proposal of establishing a Japanese Industrial Standard from Japan Electronics and Information Technology Industries Association (JEITA)/Japanese Standards Association (JSA) with the draft of Industrial Standard based on the provision of Article 12 Clause 1 of the Industrial Standardization Law.

This Standard has been made based on **ISO/IEC 16382:2000** *Information technology — Data interchange on 12.7 mm 208-track magnetic tape cartridges — DLT6 format* for the purpose of making it easier to compare this Standard with International Standard; to prepare Japanese Industrial Standard conforming with International Standard; and to propose a draft of an International Standard which is based on Japanese Industrial Standard.

Attention is drawn to the possibility that some parts of this Standard may conflict with a patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have technical properties. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying the patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have the said technical properties.

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In the event of any doubts arising as to the contents,
the original JIS is to be the final authority.

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Information technology — Data interchange on 12.7 mm 208-track magnetic tape cartridges — DLT6 format

Introduction This Japanese Industrial Standard has been prepared based on the first edition of **ISO/IEC 16382** *Information technology — Data interchange on 12.7 mm 208-track magnetic tape cartridges — DLT6 format* published in 2000 without modifying the technical contents.

Portions underlined with dots are the matters not stated in the original International Standard.

1 Scope This Standard specifies the physical and magnetic characteristics of a 12.7 mm wide, 208-track magnetic tape cartridge, to enable physical interchangeability of such cartridges between drives. It also specifies the quality of the recorded signals, a format - called Digital Linear Tape 6 (DLT 6) - and a recording method, thereby allowing data interchange between drives.

Together with a labelling standard, for instance, **JIS X 0601** for magnetic tape labelling, it allows full data interchange by means of such magnetic tape cartridges.

NOTE : The International Standard corresponding to this Standard is as follows.

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standard and **JIS** are **IDT** (identical), **MOD** (modified), and **NEQ** (not equivalent) according to **ISO/IEC Guide 21**.

ISO/IEC 16382 : 2000 *Information technology — Data interchange on 12.7 mm 208-track magnetic tape cartridges — DLT 6 format* (IDT)

2 Conformance

2.1 Magnetic tape cartridges A magnetic tape cartridge shall be in conformance with this Standard if it satisfies all mandatory requirements of this Standard.

The tape requirements shall be satisfied throughout the extent of the tape.

2.2 Generating systems A system generating a magnetic tape cartridge for interchange shall be in conformance with this Standard if all the recordings that it makes on a tape according to **2.1** meet the mandatory requirements of this Standard.

In addition, a claim of conformance shall state

- whether or not one, or more registered algorithm(s) are implemented within the system, and are able to compress data received from the host prior to collecting the data into blocks, and
- the registered identification number(s) of the implemented compression algorithm(s).