JT-G746 Characteristics of Second-Order PCM Multiplex Equipment Operating at 6312kbit/s

1. Relations with international standards

(1) This standard conforms to ITU-T Recommendation G.746 (1988).

2. Summary of departures from ITU-T Recommendations

(1) In this standard, the following item is deleted from the above recommendation:

(a) Transmitting PCM multiplex equipment timing signals from an internal source

Part (a) is deleted because the master-slave synchronization is adopted in the TTC standard.

(2) This standard precedes the above recommendation with respect to the following:

(a) Frame structure (Chapter 5)

(b) Frame synchronization and CRC procedure (Chapter 6)

This is because parts (a) and (b) are related to the items standardized in JT- G704 and JT-G706.

(3) In this standard, the following item is added to the above recommendation.

(a) The AIS (Alarm-Indication Signal) is a consequence of the relevant fault condition (Chapter 7).

Part (a) is added because an AIS is adopted among Japanese domestic systems, as a consequence of the relevant fault condition.

3. References

- JT-G703 Physical/Electrical Chracteristics of Hierarchical Digital Interfaces
- JT-G704 Frame Structures on Primary and Secondary Hierarchical Digital Interfaces
- JT-G706 Frame Synchronization and CRC Procedure
- JT-G712 Transmission Performance Characteristics of PCM Channels

4. The history of revised versions

Versions	Date	Outline
1	May 31, 1988	Established.
2	April 28, 1989	Revised according to proceeding of ITU-T.
3	May 30, 2002	Revised according to proceeding of ITU-T.