

JT-G957 Optical interfaces for equipments and systems relating to the synchronous digital hierarchy

1 . Relations with international standards

- (1) This Standard basically conforms to ITU-T Recommendation G.957(1999). In this Standard, items necessary for specifications of inter-network interface in Japan are extracted from this Recommendation. Optical interfaces for systems already installed in Japan, are added to this Standard. This Standard has reconstructed structure.

2 . Summary of departures from ITU-T Recommendations

- (1) In this Standard, following optical interface parameters are added to the above Recommendation because these applications have been already installed in Japan.
 - (a) long-haul inter-office application corresponding to interconnect distances approximately 80 km,
 - (b) 52Mbit/s inter-office and long-haul inter-office application.
- (2) In this standard , the following items are deleted from the above Recommendation
 - (a) Transfer function of the optical reference receiver
 - (b) Methods for measuring reflections
 - (c) Implementation of the Consecutive Identical Digit(CID) immunity measurement
 - (d) Possible method for evaluating aging margin contribution in receiver sensitivity specifications
 - (e) Upgradability examples

These parts are indispensable for specifications of inter-network interface in Japan. The other parts of the above Recommendation are dispensable because they give the information such as measurement and evaluation methods.

3. The history of revised versions

Versions	Date	Outline
1	April 27, 1993	Established.
2	April 24, 1996	Revised according to proceeding of ITU-T.
3	April 19, 2001	Revised according to proceeding of ITU-T.