



INTERNATIONAL TELECOMMUNICATION UNION

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

G.775

(10/98)

**SERIES G: TRANSMISSION SYSTEMS AND MEDIA,
DIGITAL SYSTEMS AND NETWORKS**

Digital transmission systems – Terminal equipments –
Operations, administration and maintenance features of
transmission equipment

**Loss of Signal (LOS), Alarm Indication Signal
(AIS) and Remote Defect Indication (RDI) defect
detection and clearance criteria for PDH signals**

ITU-T Recommendation G.775

(Previously CCITT Recommendation)

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ITU-T RECOMMENDATION G.775**LOSS OF SIGNAL (LOS), ALARM INDICATION SIGNAL (AIS)
AND REMOTE DEFECT INDICATION (RDI) DEFECT DETECTION
AND CLEARANCE CRITERIA FOR PDH SIGNALS****Summary**

This Recommendation gives the recommended criteria for the detection and clearance of LOS, AIS and RDI defects at intra-station interfaces conforming to Recommendation G.703 and operating at bit rates described in Recommendation G.702. The information provided complements the information on fault and consequent action given in the G.730-, G.740- and G.750-series Recommendations.

Appendix I contains examples of the criteria used in equipment that has been designed prior to the development of this Recommendation.

History

Issue	Notes
10/98	First revision includes a correction to Figure 1, and the addition of text related to the RDI defect detection in a new clause 6 and Appendix I.3. Furthermore, editorial modifications are included to comply with Recommendation A.3.
11/94	Initial version

Source

ITU-T Recommendation G.775 was revised by ITU-T Study Group 15 (1997-2000) and was approved under the WTSC Resolution No. 1 procedure on the 13th October 1998.

FOREWORD

ITU (International Telecommunication Union) is the United Nations Specialized Agency in the field of telecommunications. The ITU Telecommunication Standardization Sector (ITU-T) is a permanent organ of the ITU. The ITU-T is responsible for studying technical, operating and tariff questions and issuing Recommendations on them with a view to standardizing telecommunications on a worldwide basis.

The World Telecommunication Standardization Conference (WTSC), which meets every four years, establishes the topics for study by the ITU-T Study Groups which, in their turn, produce Recommendations on these topics.

The approval of Recommendations by the Members of the ITU-T is covered by the procedure laid down in WTSC Resolution No. 1.

In some areas of information technology which fall within ITU-T's purview, the necessary standards are prepared on a collaborative basis with ISO and IEC.

NOTE

In this Recommendation, the expression "Administration" is used for conciseness to indicate both a telecommunication administration and a recognized operating agency.

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As of the date of approval of this Recommendation, the ITU had not received notice of intellectual property, protected by patents, which may be required to implement this Recommendation. However, implementors are cautioned that this may not represent the latest information and are therefore strongly urged to consult the TSB patent database.

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