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**SERIES O: SPECIFICATIONS OF MEASURING
EQUIPMENT**

Equipment for the measurement of digital and
analogue/digital parameters

**Jitter measuring equipment for digital systems
which are based on the Optical Transport
Network (OTN)**

ITU-T Recommendation O.173



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ITU-T Recommendation O.173

Jitter measuring equipment for digital systems which are based on the Optical Transport Network (OTN)

Summary

This Recommendation specifies instrumentation that is used to generate and measure jitter in digital systems based on the OTN. Measurement requirements for client interfaces, e.g., SDH line interfaces are not addressed in this Recommendation.

The requirements for the characteristics of the jitter measuring equipment that are specified in this Recommendation must be adhered to in order to ensure consistency of results between equipment produced by different manufacturers.

Source

ITU-T Recommendation O.173 was approved on 16 March 2007 by ITU-T Study Group 4 (2005-2008) under the ITU-T Recommendation A.8 procedure.

Keywords

Input jitter tolerance, input wander tolerance, jitter generation, jitter measurement, jitter transfer function, output jitter.

FOREWORD

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Introduction

The timing performance of OTN networks and OTN equipment elements is specified in [ITU-T G.8251], using jitter and wander parameters. This Recommendation specifies the various characteristics of jitter measuring equipment, which are needed in order to support the requirements of [ITU-T G.8251] and to perform other test and measuring tasks.

While functional and characteristic requirements are given for the measuring equipment, the realization of the equipment configuration is not covered and should be given careful consideration by the designer and user. In particular, it is not required that all features described in this Recommendation shall be provided in one piece of equipment. Users may select those functions, which correspond best to their applications.

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