

ATIS-0100507.2002

(Formerly T1.507-2002, Revision of T1.507-1996)

American National Standard for Telecommunications

Network Performance Parameters for Circuit-Switched Digital Services – Definitions and Measurements

Secretariat

Alliance for Telecommunications Industry Solutions

Approved February 15, 2002

American National Standards Institute, Inc.

Abstract

This standard applies to circuit-switched digital services, and provides and defines the performance parameters and measurements needed by users, vendors, and providers of circuit-switched digital services, to characterize the user-observable performance of these services (i.e., it does not address the causes of errors). It also includes parameters to be considered in determining whether or not a service is in the available or unavailable state. A given service will only reference those parameters or thresholds applicable to that service. The network-specific parameters are for performance allocation and network control. Standard performance parameter definitions and measurements are provided to ensure an understanding of: measured performance values, performance allocation among network elements, and comparability of performance measurements among network users, providers, and equipment vendors. This document provides framework information for T1.517-1995 (R2001), *Integrated services digital network (ISDN) – Performance parameters and objectives*, which contains numerical specifications and allocations for the parameters and measurements discussed in this standard.

Foreword

The information contained in this Foreword is not part of this American National Standard (ANS) and has not been processed in accordance with ANSI's requirements for an ANS. As such, this Foreword may contain material that has not been subjected to public review or a consensus process. In addition, it does not contain requirements necessary for conformance to the standard.

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ANSI guidelines specify two categories of requirements: mandatory and recommendation. The mandatory requirements are designated by the word *shall* and recommendations by the word *should*. Where both a mandatory requirement and a recommendation are specified for the same criterion, the recommendation represents a goal currently identifiable as having distinct compatibility or performance advantages.

Suggestions for improvement of this standard are welcome. They should be sent to the Alliance for Telecommunications Industry Solutions, T1 Secretariat, 1200 G Street NW, Suite 500, Washington, DC 20005.

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