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Integrated Services Digital Network (ISDN) – Usage of the
Cause Information Element in Digital Subscriber Signaling
System Number 1 (DSS1)

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American National Standard
for Telecommunications –

Integrated Services Digital Network (ISDN) –
Usage of the Cause Information Element in
Digital Subscriber Signaling System Number 1 (DSS1)

Secretariat

Alliance for Telecommunications Industry Solutions

Approved December 13, 1995

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Foreword (This foreword is not part of American National Standard T1.650-1995.)

The Digital Subscriber Signaling System Number 1 (DSS1) is a suite of protocols that provides the means for users to invoke the full range of services and capabilities available from the Integrated Services Digital Network (ISDN). The structure of DSS1 is consistent with the seven-layer model described in CCITT Recommendation I.320. The complete suite of Layer 3 DSS1 protocols encompasses a set of several standards, one addressing its own aspect of the suite. This standard specifies the usage, format and encoding of the cause information element, which is used throughout the suite of Layer 3 DSS1 protocol standards. It also defines the meaning of specific cause values, and the usage of the location and diagnostic fields.

Manufacturers of user and network equipment that use ISDN can apply this standard to the design and development of their products.

This standard contains 2 informative annexes which are not considered part of this standard.

This standard was developed by Working Group T1S1.1 of Accredited Standards Committee T1 – Telecommunications.

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

This standard was processed and approved for submission to ANSI by Accredited Standards Committee on Telecommunications T1. Committee approval of the standard does not imply that all committee members voted for its approval. At the time it approved this standard, Accredited Standards Committee T1 had the following members.

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American National Standard
for Telecommunications –

Integrated Services Digital Network (ISDN) – Usage of the Cause Information Element in Digital Subscriber Signaling System Number 1 (DSS1)

1 Scope, purpose, and application

1.1 Scope and purpose

This standard defines the usage, format, and encoding of the cause information element within the context of the Digital Subscriber Signaling System Number 1 (DSS1) of an Integrated Services Digital Network (ISDN). It also defines the meaning of specific causes, and the usage of the location and diagnostic fields.

The purpose of this standard is to allow maximum compatibility among public- and user-owned telecommunications equipment.

1.2 Application

The cause information element applies to both Basic and Primary Rate Interfaces. It is used in the signaling of basic circuit and packet mode bearer services, as well as ISDN supplementary services. This standard is intended to be used in conjunction with other American National Standards that describe specific applications of the cause information element.

2 Normative references

The following standard contains provisions that, through reference in this text, constitute provisions of this American National Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this American National Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below.

ANSI T1.607-1990, *Telecommunications – Integrated Services Digital Network (ISDN) – Layer 3 signaling specification for circuit-switched bearer service for Digital Subscriber Signaling System Number 1 (DSS1)*

ANSI T1.607a-1995, *Telecommunications – Integrated Services Digital Network (ISDN) – Layer 3 signaling specification for circuit-switched bearer service for Digital Subscriber Signaling System Number 1 (DSS1)*

ANSI T1.610-1994, *Telecommunications – Generic procedures for the control of ISDN supplementary services*