ATIS-1000652.1996(R2011)

B-ISDN Signaling ATM Adaptation Layer – Layer Management for the SAAL at the NNI

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for Telecommunications –

B-ISDN Signaling ATM Adaptation Layer – Layer Management for the SAAL at the NNI

Secretariat

Alliance for Telecommunications Industry Solutions

Approved March 8, 1996

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Contents

Foreword (This foreword is not part of American National Standard T1.652-1996.)

This standard specifies the Layer Management functions for the Signaling ATM Adaptation Layer (SAAL) at the Network Node Interface (NNI). These include the interfaces to the Service Specific Connection Oriented Protocol (SSCOP), (ANSI T1.637), to the Service Specific Coordination Function (SSCF) at the NNI (ANSI T1.645), and to systems management. Layer Management provides, or supports, the following functions for the Service Specific Convergence Sublayer (SSCS) at the NNI:

– error processing;

– measurements;

– notification of processor outage status;

– determination of link quality during proving; and

– determination of link quality during normal operation.

There are 5 annexes in this standard. Annexes A through C are normative and are considered part of this standard. Annexes D and E are informative and are not considered part of this standard.

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

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American National Standard
for Telecommunications –

B-ISDN Signaling ATM Adaptation Layer – Layer Management for the SAAL at the NNI

1 Scope, purpose, and application

This standard specifies the Layer Management functions for the Signaling ATM Adaptation Layer (SAAL) at the Network Node Interface (NNI). These include the interfaces to the Service Specific Connection Oriented Protocol (SSCOP), (ANSI T1.637), to the Service Specific Coordination Function (SSCF) at the NNI (ANSI T1.645), and to systems management. Layer Management provides, or supports, the following functions for the Service Specific Convergence Sublayer (SSCS) at the NNI:

- error processing;
- measurements;
- notification of processor outage status;
- determination of link quality during proving; and
- determination of link quality during normal operation.

2 Normative references

The following standards contain provisions which, 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 T1.635-1994, *Telecommunications – Broadband ISDN – ATM adaptation layer type 5 common part functions and specification*[1)]

ANSI T1.637-1994, *Telecommunications – B-ISDN ATM Adaptation Layer – Service Specific Connection Oriented Protocol (SSCOP)*

ANSI T1.645-1995, *Telecommunications – B-ISDN Signaling ATM Adaptation Layer – Service Specific Coordination Function for Support of Signaling at the Network Node Interface (SSCF at NNI)*

ITU-T Recommendation Q.2144 (1995), *B-ISDN Signaling Adaptation Layer - Layer Management for the SAAL at the NNI* [2)]

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1) ANSI T1.635-1994 refers to ITU-T Recommendation I.363 (1993), *B-ISDN ATM Adaptation Layer (AAL) specification,* for all requirements. ITU-T Recommendation I.363 is available from the American National Standards Institute, 11 West 42nd Street, New York, NY 10036.

2) Available from the American National Standards Institute, 11 West 42nd Street, New York, NY 10036.