



ATIS-1000634.1993(R2011)

Frame Relaying Service Specific Convergence Sublayer  
(FR-SSCS)

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## ATIS-1000634.1993(R2011), *Frame Relaying Service Specific Convergence Sublayer (FR-SSCS)*

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# American National Standard

for telecommunications –

## frame relaying service specific convergence sublayer (FR-SSCS)

Approved November 18, 1993

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### 1 Scope, purpose, and field of application

This standard is identical to ITU-T Recommendation I.365.1, *Frame relaying service specific convergence sublayer (FR-SSCS)*, from the International Telecommunication Union.

This standard specifies the Frame Relaying Service Specific Convergence Sublayer (FR-SSCS). The FR-SSCS is located in the upper part of the ATM Adaptation Layer on top of the Common Part Convergence Sublayer (CPCS) of AAL type 5, as specified in ITU-T (formerly CCITT) Recommendation I.363, section 6. The FR-SSCS is used at the B-ISDN TE to emulate the Frame Relaying Bearer Service (FRBS) in B-ISDN. It is also used for interworking between a B-ISDN and a Frame Relaying Network.

### 2 Normative references

The following standards contain provisions which, through reference in this text, consti-

tute 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.

CCITT Blue Book I.122 Recommendation, *Framework for providing additional packet mode bearer service*, ITU, Geneva, 1988<sup>1)</sup>

CCITT Recommendation I.233.1, *Frame relay bearer services*, 1991<sup>1)</sup>

CCITT Recommendation I.361, *ATM layer specifications*, 1992<sup>1)</sup>

CCITT Recommendation I.370, *Congestion management in frame relaying networks*, 1991<sup>1)</sup>

CCITT Recommendation I.372, *Frame mode bearer service network to network interface requirements*, 1992<sup>1)</sup>

<sup>1)</sup> Available from the American National Standards Institute, 11 West 42nd Street, New York, NY 10036.

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CCITT Recommendation Q.922, *ISDN data link layer specifications for frame mode bearer services*, 1991<sup>1)</sup>

CCITT Recommendation Q.933, *DSS1 signaling specifications for frame mode basic call control*, ITU, Geneva, 1992<sup>1)</sup>

ITU-T (formerly CCITT), *AAL Type 5, Recommendation text for I.363, section 3*, 1993<sup>1)</sup>

ITU-T (formerly CCITT), *Recommendation I.365.1, Frame relaying service specific convergence sublayer (FR-SSCS)*, 1993<sup>1)</sup>

ITU-T (formerly CCITT), *Recommendation I.555, Frame relaying bearer service interworking*, 1993<sup>1)</sup>

### 3 Definitions

The following terminology is used within this document.

**International Telecommunication Union – Telecommunication Standardization Sector (ITU-T):** The ITU has been a specialized agency of the United Nations since 1948. As the oldest international treaty organization, it traces its formal beginning to 1865. ITU-T traces its formal beginning to 1954, when its predecessor, the International Telegraph and Telephone Consultative Committee (CCITT) was founded for the purpose of promoting and ensuring the operation of international telecommunication systems.

### 4 Abbreviations and acronyms

AAL        ATM Adaptation Layer  
ATM        Asynchronous Transfer Mode

BECN        Backward Explicit Congestion Notification  
B-ISDN      Broadband Integrated Services Digital Network  
B-TE        B-ISDN Terminal Equipment  
CI           Congestion Indication  
C/R         Command Response Bit  
CPCS        Common Part Convergence Sublayer  
D/C         Data or Control Indication  
DE          Discard Eligibility  
DLCI        Data Link Connection Identifier  
DL-CORE    Data Link Core  
EA          Extended Address Field Bit  
FECN        Forward Explicit Congestion Notification  
FCS         Frame Check Sequence  
FMBS        Frame Mode Bearer Service  
FR-SSCS    Frame Relaying Service Specific Convergence Sublayer  
IWF         InterWorking Function  
PDU         Protocol Data Unit  
SAR         Segmentation and Reassembly  
SSCS        Service Specific Convergence Sublayer  
TE          Terminal Equipment  
VCI         Virtual Channel Identifier