CCITT

THE INTERNATIONAL TELEGRAPH AND TELEPHONE CONSULTATIVE COMMITTEE

I.231.7

(11/1988)

SERIES I: INTEGRATED SERVICES DIGITAL NETWORK (ISDN)

Service capabilities – Bearer services supported by an ISDN

CIRCUIT-MODE BEARER SERVICE CATEGORIES: CIRCUIT-MODE 1536 kbit/s UNRESTRICTED, 8 kHz STRUCTURED BEARER SERVICE CATEGORY

Reedition of CCITT Recommendation I.231.7 published in the Blue Book, Fascicle III.7 (1988)

NOTES

- 1 CCITT Recommendation I.231.7 was published in Fascicle III.7 of the *Blue Book*. This file is an extract from the *Blue Book*. While the presentation and layout of the text might be slightly different from the *Blue Book* version, the contents of the file are identical to the *Blue Book* version and copyright conditions remain unchanged (see below).
- In this Recommendation, the expression "Administration" is used for conciseness to indicate both a telecommunication administration and a recognized operating agency.

Recommendation I.231.7

CIRCUIT-MODE BEARER SERVICE CATEGORIES: CIRCUIT-MODE 1536 kbit/s UNRESTRICTED, 8 kHz STRUCTURED BEARER SERVICE CATEGORY

(Melbourne, 1988)

7 I.231.7 – Circuit-mode 1536 kbit/s unrestricted, 8 kHz structured bearer service category

7.1 Definition

This bearer service category provides the unrestricted transfer of 1536 kbit/s user information over a H_{11} channel at the S/T reference point. Transfer of OAM information for reserved and permanent services may be provided via a D-channel in another interface structure.

7.2 Description

For further study.

7.3 Procedures

For further study.

7.4 Network capabilities for charging

This Recommendation does not cover charging principles. Future Recommendations in the D-Series are expected to contain that information.

It shall be possible to charge the subscriber accurately for the service.

7.5 Interworking requirements

For further study.

7.6 Interaction with supplementary services

For further study.

7.7 Attributes and values of attributes of the circuit-mode 1536 kbit/s unrestricted, 8 kHz structured bearer service category

Information transfer attributes

Information transfer mode: circuit
 Information transfer rate: 1536 kbit/s
 Information transfer capability: unrestricted
 Structure: 8 kHz integrity

5. Establishment of communication: demand/reserved/permanent

6. Symmetry: bidirectional symmetric/bidirectional asymmetric/

unidirectional (Note)

7. Communication configuration: point-to-point/multipoint

Access attributes

3. Access channel: H_{11} (1536) for user information D(16) or D(64)

for OAM signalling I-Series for D-channel

9. Access protocol:

General attributes

10. Supplementary services provided

11. Quality of Service

12. Interworking possibilities

13. Operation and commercial aspects

for further study

Note – Bidirectional-asymmetric services are for further study.

- 7.8 Provision of individual circuit-mode 1536 kbit/s unrestricted, 8 kHz structured bearer services
 - a) Overall provision⁷⁾: A
 - b) Variations of secondary attributes:

	Establishment of communication	Symmetry	Communication of configuration	Provision ⁷⁾
I.231.7/1 I.231.7/2	demand reserved	bidirectional	pt-pt pt-pt	A E
I.231.7/3	permanent	oldirectional	pt-pt pt-pt	Ë
I.231.7/4 I.231.7/5	reserved permanent	unidirectional	pt-pt pt-pt	A A
I.231.7/6 I.231.7/7	reserved permanent	bidirectional	multipt multipt	A A
I.231.7/8 I.231.7/9	reserved permanent	unidirectional	multipt multipt	A A

c) Access

Signalling and OAM (Note 1)		User information		Duarriaian
Channel and rate	Protocols	Channel and rate	Protocols	Provision
D(16) (Note 2)	I.451 (Note 3)	H ₁₁ (1536)	User-defined	E
D(64) (Note 2)	I.451 (Note 3)	H ₁₁ (1536)	User-defined	Е

Note 1 – Definition of protocols for OAM is for further study.

7.9 Dynamic description

The dynamic description for this service needs further study and is not yet available.

Note 2 – Located on another interface.

Note 3 – Demand services only. Further study for reserved and permanent services.

⁷⁾ The definition of E (essential) and A (additional) can be found in Recommendation I.230

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