



INTERNATIONAL TELECOMMUNICATION UNION

CCITT

THE INTERNATIONAL
TELEGRAPH AND TELEPHONE
CONSULTATIVE COMMITTEE

I.231.8

(11/1988)

SERIES I: INTEGRATED SERVICES DIGITAL
NETWORK (ISDN)

Service capabilities – Bearer services supported by an
ISDN

**CIRCUIT-MODE BEARER SERVICE
CATEGORIES: CIRCUIT-MODE 1920 kbit/s
UNRESTRICTED, 8 kHz STRUCTURED BEARER
SERVICE CATEGORY**

Reedition of CCITT Recommendation I.231.8 published in
the Blue Book, Fascicle III.7 (1988)

NOTES

1 CCITT Recommendation I.231.8 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).

2 In this Recommendation, the expression “Administration” is used for conciseness to indicate both a telecommunication administration and a recognized operating agency.

Recommendation I.231.8

CIRCUIT-MODE BEARER SERVICE CATEGORIES: CIRCUIT-MODE 1920 kbit/s UNRESTRICTED, 8 kHz STRUCTURED BEARER SERVICE CATEGORY

(Melbourne, 1988)

8 I.231.8 – Circuit-mode 1920 kbit/s unrestricted, 8 kHz structured bearer service category

8.1 Definition

This bearer service category provides the unrestricted transfer of 1920 kbit/s user information over a H₁₂ channel at the S/T reference point. The transfer of OAM information for reserved and permanent services may be provided over a D-channel.

8.2 Description

For further study.

8.3 Procedures

For further study.

8.4 Network aspects 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.

8.5 Interworking requirements

For further study.

8.6 Interaction with supplementary services

For further study.

8.7 Attributes and values of attributes of the circuit-mode 1920 kbit/s unrestricted, 8 kHz structured bearer service category

Information transfer attributes

- | | |
|-------------------------------------|---|
| 1. Information transfer mode: | circuit |
| 2. Information transfer rate: | 1920 kbit/s |
| 3. Information transfer capability: | unrestricted |
| 4. 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

- | | |
|---------------------|---|
| 8. Access channel: | H ₁₂ (1920) for user information D(64) for OAM information |
| 9. Access protocol: | I-Series for D-channel |

General attributes

- | | |
|--------------------------------------|---------------------------------|
| 10. Supplementary services provided | – Refer to Recommendation I.250 |
| 11. Quality of Service | } for further study |
| 12. Interworking possibilities | |
| 13. Operation and commercial aspects | |

Note 1 – Bidirectional-asymmetric services are for further study.

8.8 *Provision of individual circuit-mode 1920 kbit/s unrestricted, 8 kHz structured bearer services*

- a) Overall provision⁸⁾: A
 b) Variations of secondary attributes:

	<i>Establishment of communication</i>	<i>Symmetry</i>	<i>Communication of configuration</i>	<i>Provision⁸⁾</i>
I.231.8/1	demand	bidirectional	pt-pt	A
I.231.8/2	reserved		pt-pt	E
I.231.8/3	permanent		pt-pt	E
I.231.8/4	reserved	unidirectional	pt-pt	A
I.231.8/5	permanent		pt-pt	A
I.231.8/6	reserved	bidirectional	multipt	A
I.231.8/7	permanent		multipt	A
I.231.8/8	reserved	unidirectional	multipt	A
I.231.8/9	permanent		multipt	A

- c) Access

Signalling and OAM (Note 1)		User information		Provision
Channel and rate	Protocols	Channel and rate	Protocols	
D(64)	I.451 (Note 2)	H ₁₂ (1920)	User-defined	E

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

Note 2 – Demand services only. Further study for reserved and permanent services.

8.9 *Dynamic description*

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

⁸⁾ The definition of E (essential) and A (additional) can be found in Recommendation I.230

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