



INTERNATIONAL TELECOMMUNICATION UNION

CCITT

THE INTERNATIONAL
TELEGRAPH AND TELEPHONE
CONSULTATIVE COMMITTEE

I.231.6

(11/1988)

SERIES I: INTEGRATED SERVICES DIGITAL
NETWORK (ISDN)

Service capabilities – Bearer services supported by
an ISDN

**CIRCUIT-MODE BEARER SERVICE
CATEGORIES: CIRCUIT-MODE 384 KBIT/S
UNRESTRICTED, 8 KHZ STRUCTURED BEARER
SERVICE CATEGORY**

Reedition of CCITT Recommendation I.231.6 published in
the Blue Book, Fascicle III.7 (1988)

NOTES

1 CCITT Recommendation I.231.6 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.231.6

CIRCUIT-MODE BEARER SERVICE CATEGORIES: CIRCUIT-MODE 384 KBIT/S UNRESTRICTED, 8 KHZ STRUCTURED BEARER SERVICE CATEGORY

(Melbourne, 1988)

6 I.231.6 – Circuit-mode 384 kbit/s unrestricted, 8 kHz structured bearer service category

6.1 *Definition*

This bearer service category provides the unrestricted transfer of 384 kbit/s user information over a H_0 channel at the S/T reference point. The transfer of OAM information for reserved and permanent services may be provided over a D-channel in the same or in another interface structure.

6.2 *Description*

For further study.

6.3 *Procedures*

For further study.

6.4 *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.

6.5 *Interworking requirements*

For further study.

6.6 *Interaction with supplementary services*

For further study.

6.7 *Attributes and values of attributes of the circuit-mode 384 kbit/s unrestricted, 8 kHz structured bearer service category*

Information transfer attributes

- | | |
|-------------------------------------|---|
| 1. Information transfer mode: | circuit |
| 2. Information transfer rate: | 384 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_0 (384) for user information D(16) or D(64) for OAM information |
| 9. Access protocol: | I-Series for D-channel |

General attributes

- | | | |
|---|---|-------------------|
| <ul style="list-style-type: none"> 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.

6.8 *Provision of individual circuit-mode 384 kbit/s unrestricted, 8 kHz structured bearer services*

- a) Overall provision⁶⁾: A
- b) Variations of secondary attributes:

	<i>Establishment of communication</i>	<i>Symmetry</i>	<i>Communication of configuration</i>	<i>Provision</i> ⁶⁾
I.231.6/1	demand	bidirectional	pt-pt	A
I.231.6/2	reserved		pt-pt	E
I.231.6/3	permanent		pt-pt	E
I.231.6/4	reserved	unidirectional	pt-pt	A
I.231.6/5	permanent		pt-pt	A
I.231.6/6	reserved	bidirectional	multipt	A
I.231.6/7	permanent		multipt	A
I.231.6/8	reserved	unidirectional	multipt	A
I.231.6/9	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 ₀ (384)	User-defined	E
D(16)	I.451 (Note 2)	H ₀ (384)	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.

6.9 *Dynamic description*

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

⁶⁾ The definition of E (essential) and A (additional) can be found in Recommendation I.230

ITU-T RECOMMENDATIONS SERIES

Series A	Organization of the work of the ITU-T
Series B	Means of expression: definitions, symbols, classification
Series C	General telecommunication statistics
Series D	General tariff principles
Series E	Overall network operation, telephone service, service operation and human factors
Series F	Non-telephone telecommunication services
Series G	Transmission systems and media, digital systems and networks
Series H	Audiovisual and multimedia systems
Series I	Integrated services digital network
Series J	Transmission of television, sound programme and other multimedia signals
Series K	Protection against interference
Series L	Construction, installation and protection of cables and other elements of outside plant
Series M	TMN and network maintenance: international transmission systems, telephone circuits, telegraphy, facsimile and leased circuits
Series N	Maintenance: international sound programme and television transmission circuits
Series O	Specifications of measuring equipment
Series P	Telephone transmission quality, telephone installations, local line networks
Series Q	Switching and signalling
Series R	Telegraph transmission
Series S	Telegraph services terminal equipment
Series T	Terminals for telematic services
Series U	Telegraph switching
Series V	Data communication over the telephone network
Series X	Data networks and open system communications
Series Y	Global information infrastructure and Internet protocol aspects
Series Z	Languages and general software aspects for telecommunication systems