INTERNATIONAL TELECOMMUNICATION UNION

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

I.241.5

INTEGRATED SERVICES DIGITAL NETWORK (ISDN)
SERVICE CAPABILITIES

TELESERVICES SUPPORTED BY AN ISDN: VIDEOTEX

ITU-T Recommendation I.241.5

(Extract from the *Blue Book*)

NOTES

1 ITU-T Recommendation I.241.5 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.241.5

TELESERVICES SUPPORTED BY AN ISDN: VIDEOTEX

(Melbourne, 1988)

5 Videotex

The prose description for the Videotex service in ISDN is for further study and is intended to be based on Recommendation F.300.

5.1 *Definition*

The Videotex service in the ISDN is an enhancement of the existing Videotex service with retrieval and mailbox functions for text (alpha) and graphic information.

5.2 *Description*

For further study.

5.3 *Procedures*

For further study.

5.4 *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.

5.5 *Interworking requirements*

For further study.

5.6 *Interaction with supplementary services*

For further study.

5.7 *Attributes and values of attributes of the Videotex service*

a) *LOW LAYER ATTRIBUTES*

Information transfer attributes

		User to Videotex centre	Videotex centre to Videotex centre, external computers
1.	Information transfer mode:	circuit (Note 1)	circuit/packet
2.	Information transfer rate:	64 kbit/s	further study
3.	Information transfer capability:	unrestricted	further study
4.	Structure:	further study	further study
5.	Establishment of communication:	demand	demand/permanent
6.	Symmetry:	bidirectional symmetric	bidirectional symmetric
7.	Communication configuration:	point-to-point	demand/permanent point-to-point, multipoint

Access attributes

8.	Access channel:	B for user information (Note 2) D for signalling
9.	Access protocol	
9.1	Signalling access protocol layer 1:	Rec. I.430/I.431
9.2	Signalling access protocol layer 2:	Rec. I.440/I.441
9.3	Signalling access protocol layer 3:	Rec. I.450/I.451
9.4	Information access protocol layer 1:	Rec. I.430/I.431
9.5	Information access protocol layer 2:	Rec. X.75 (SLP)
9.6	Information access protocol layer 3:	ISO 8208

b) *HIGH LAYER ATTRIBUTES*

10. Type of user information: Videotex

11.	Layer 4 protocol functions	For further study
12.	Layer 5 protocol functions	
13.	Layer 6 protocol functions	
13.1	Resolution [pixels per inch (ppi)]	
13.2	Graphic mode	
14.	Layer 7 protocol functions	

c) *GENERAL ATTRIBUTES:* for further study

Note 1 - The use of packet-mode is for further study.

Note 2 - The use of the D-channel for Videotex information is for further study.

5.8 *Recommended support of Videotex by an ISDN*

a) Overall support[1]: A

b) Variations of non-dominant attributes:

1) Information transfer mode

–	circuit	user terminal-to-Videotex centre	A
		videotex centre to Videotex centre, external computer	A
–	packet	videotex centre to Videotex centre, external computer	A

2)

Establishment of communication	*Symmetry*	*Communication configuration*	*Support*[1]
demand permanent (Note)	bidirectional symmetric	pt-pt	E
demand permanent (Note)	bidirectional symmetric	multipoint (Note)	A

Note – Between Videotex centres and to external computers.

1 The definition of E (essential) and A (additional) can be found in Recommendation I.240.

3) Access

Signalling and OAM (Note 1)		User information		Support
Channel and rate	Protocols	Channel and rate	Protocols	
Circuit mode				
D(16)	I.430, I.440, I.441, I.450, I.451 (Note 2)	B(64)	I.430, X.75 (SLP), ISO 8208	A
D(64)	I.431, I.440, I.441, I.450, I.451 (Note 2)	B(64)	I.431, X.75 (SLP), ISO 8208	A
Packet mode				
D(16)	FS	B(64) or D (16)	FS	FS
D(64)	FS	B(64)	FS	FS
VC in B(64)	FS	B(64)	FS	FS

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

Note 2 - Demand services only. Others are for further study.

5.9 *Dynamic description*

The circuit mode dynamic description appears in Recommendation I.220.