



INTERNATIONAL TELECOMMUNICATION UNION

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

I.241.2

INTEGRATED SERVICES DIGITAL NETWORK (ISDN) SERVICE CAPABILITIES

TELESERVICES SUPPORTED BY AN ISDN: TELETEX

ITU-T Recommendation I.241.2

(Extract from the *Blue Book*)

NOTES

- 1 ITU-T Recommendation I.241.2 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.

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(Melbourne, 1988)

2 Teletex

The prose description of the Teletex service is an extract of Recommendation F.200. If more detail is required this Recommendation should be referred to. As such, this service description does not strictly follow step 1.1 of the service description method. Further alignment with this description method requires further study.

2.1 Definition

Teletex is an international service, enabling subscribers to exchange office correspondence in the form of documents containing Teletex coded information on an automatic memory-to-memory basis via the ISDN.

2.2 Description

2.2.1 Scope

The Teletex service provides communication between Teletex equipment¹ which are used for the preparation, editing and printing of correspondence containing text information using a standardized character set (see Recommendation T.61).

The basic element of the correspondence between users is the page which is the smallest unit of text treated as an entity. No restrictions shall exist concerning the operator procedures for generation of the text or the positioning of text within the printable area on a page.

Note 1 - This does not necessarily imply that the characters used to construct a graphic symbol are transmitted in the same sequence as that in which they are keyed.

Note 2 - This does not necessarily imply that the order in which text on a page is transmitted is the same as that in which it was keyed.

Note 3 - An exception to this rule is the application of the processable mode of operation for which the page, as a basic element of correspondence, cannot be used. The processable mode of operation within the Teletex service is defined in Recommendation F.220.

2.2.2 Operation

2.2.2.1 General

The Teletex service in each country and the international interconnection between countries or networks shall use automatic switching so that it is possible for any Teletex subscriber to reach any other Teletex subscriber using fully automatic selection.

It is a requirement to allow the through-connection of a call between a Teletex terminal connected to a private automatic branch exchange (or similar systems) and those connected to public exchanges used for the Teletex service.

A virtual dialogue mode of operation, which appears to the subscriber as an interactive mode, should be possible, although this is not a basic requirement of the Teletex service.

A virtual dialogue mode of operation, which appears to the subscriber as an interactive mode, may become possible as a new standardized option within the Teletex service, allowing both communications between persons and data base access (see Recommendation I.210).

Processable mode of operation, as a standardized option within the Teletex service, allows the transfer of text containing information to permit convenient further editing and processing by the recipient (see Recommendation F.220).

Mixed mode of operation using the techniques of Telefax 4 for the transfer of facsimile-coded information and of Teletex for the transfer of character-coded text is described as a standardized option within the Teletex service in Recommendation F.230.

¹ Teletex equipment may be a Teletex terminal or a system.