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I.241.3

INTEGRATED SERVICES DIGITAL NETWORK (ISDN) SERVICE CAPABILITIES

TELESERVICES SUPPORTED BY AN ISDN: TELEFAX 4

ITU-T Recommendation I.241.3

(Extract from the *Blue Book*)

NOTES

- 1 ITU-T Recommendation I.241.3 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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TELESERVICES SUPPORTED BY AN ISDN: TELEFAX 4

(Melbourne, 1988)

3 Telefax 4

The prose description of the Telefax 4 service is an extract of Recommendation F.184. (If more detail is required this Recommendation should be referred to.) Therefore it does not strictly follow Step 1.1 of the service description method. Closer alignment with the method requires further study.

3.1 Definition

Telefax 4 is an international service enabling subscribers to exchange office correspondence in the form of documents containing facsimile coded information, automatically via the ISDN.

3.2 Description

3.2.1 General description

The Telefax 4 service provides a basic level of compatibility between all terminals participating in the service. It offers bidirectional communication between two users via the ISDN using 64 kbit/s digital signals over the B-channel.

There are three classes of Group 4 facsimile terminals:

- Class I - In this class the minimum requirement terminal is a terminal able to send and receive documents containing facsimile encoded information (in accordance with Recommendation T.6 and the T.400-Series).
- Class II - In this class the minimum requirement terminal is a terminal able to transmit documents that are facsimile encoded (in accordance with Recommendation T.6 and the T.400-Series). In addition, the terminal must be capable of receiving documents which are facsimile coded (in accordance with Recommendation T.6 and the T.400-Series), teletex coded (in accordance with the basic coded character repertoire as defined in Recommendation T.61) and also mixed-mode documents (in accordance with Recommendations of the T.400-Series).
- Class III - In this class the minimum requirement terminal is a terminal that is capable of generating, transmitting and receiving facsimile coded documents (in accordance with Recommendation T.6 and the T.400-Series), teletex coded documents (in accordance with the basic coded character repertoire as defined in Recommendation T.61) and mixed-mode documents (in accordance with Recommendations of the T.400-Series).

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 reproducible area on a page.

3.2.2 Operation – General

The Telefax 4 service in each country and the interconnection between countries or networks shall use automatic switching so that it is possible for any Telefax 4 subscriber to reach any other Telefax 4 subscriber using fully automatic selection.

It is a requirement to allow the through-connection of a call between Group 4 facsimile terminals connected to a private automatic branch exchange (or similar systems) and those connected to public exchanges used for the Group 4 facsimile service.

Two-way alternate (TWA) communication is a capability of the Telefax 4 service, which also includes one-way communication (OWC); the calling subscriber will have full control of the Group 4 facsimile call.

3.3. Procedures

3.3.1 Provision/withdrawal

The national and international Telefax 4 service shall be open continuously.

Telefax 4 terminals for which call numbers are published in the directories shall, in principle, be available to accept calls continuously.