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TERMINAL EQUIPMENT AND PROTOCOLS FOR TELEMATIC SERVICES

TERMINAL CHARACTERISTICS FOR MIXED MODE OF OPERATION MM

ITU-T Recommendation T.561

(Extract from the *Blue Book*)

NOTES

1 ITU-T Recommendation T.561 was published in Fascicle VII.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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TERMINAL CHARACTERISTICS FOR MIXED MODE OF OPERATION MM

CONTENTS

- 1 *Scope*
- 2 *Field of application*
- 3 *References*
- 4 *Definitions*
- 5 *General characteristics of the equipment*
- 6 *Document handling*
- 7 *Communication aspects*
- 8 *Interworking between basic teletex equipments and teletex equipments supporting MM and/or PM.1*

The CCITT,

considering

- (a) that telematic services have been defined or are going to be defined for a number of applications;
- (b) that these applications, in some cases, can be conveniently combined into one single terminal to give improved performance to the users of these terminals;
- (c) that standardization work has been aiming at common protocols and compatible parameters for various equipments and procedures;
- (d) that teletex and Group 4 facsimile seem particularly suited to form a common service where required;
- (e) that other services already defined or under study could be incorporated,

unanimously declares

that mixed mode characteristics should be designed and operated in accordance with the following standards.

1 Scope

1.1 The international teletex service requirements to the mixed mode of operation MM.1 are defined in Recommendation F.230.

1.2 the service requirements for Group 4 facsimile service related to the mixed mode of operation MM.1 are defined in Recommendation F.161.

1.3 This Recommendation defines terminal characteristics unique to the mixed mode of operation MM.1.

2 Field of application

This Recommendation applies to terminal equipment of the teletex service or the Group 4 facsimile service supporting the mixed mode of operation MM.1.

3 References

The following CCITT Recommendations also apply to equipments for mixed mode of operations:

- Rec. T.6: "Facsimile coding schemes and coding control functions for Group 4 facsimile apparatus";
- Rec. T.60: "Terminal equipment for use in teletex service";
- Rec. T.61: "Character repertoire and coded character sets for the international teletex service";
- Rec. T.62: "Control procedures for the teletex and Group 4 facsimile services";
- Rec. T.70: "Network-independent basic transport service for telematic services";
- Rec. T.400 Series: "Document architecture transfer and manipulation";
- Rec. T.501: "A document application profile MM for the interchange of formatted mixed mode documents";
- Rec. T.522: "Communication application profile BT1 for document bulk transfer";
- Rec. T.563: "Terminal characteristics for Group 4 facsimile apparatus".

4 Definitions

Terms and their definitions are defined by Recommendation listed above.

5 General characteristics of the equipment

5.1 General

5.1.1 Equipments supporting mixed mode of operation MM.1 shall provide a set of basic features. The ability to provide this minimum set of basic features is indicated and negotiated before the document interchange.

5.1.2 These equipments may in addition to the set of basic features provide other facilities. These facilities are negotiated separately from the set of basic features defined below.

5.2 Basic features required for equipments supporting mixed mode MM.1

The basic features required for equipments supporting mixed mode of operation are:

5.2.1 The ability to create, transmit and receive documents conforming to the document application profile MM.1 defined in Recommendation T.501;

5.2.2 The ability to interchange documents by using the application context defined in § 7.1 of this Recommendation;

5.2.3 The ability to handle the ISO A4 nominal page defined in § 6.1.1.3 and to provide, at least, the assured reproduction area which is defined for ISO A4 paper size in § 6.1.1.4.

5.2.4 The ability to receive and present documents, composed of:

- a) one (or more) page(s) containing only content belonging to the teletex basic repertoire of Recommendation T.61;
- b) one (or more) page(s) containing only content encoded by the raster graphics coding scheme defined in Recommendation T.6;
- c) one (or more) page(s) containing content encoded as per a) and b);
- d) any combination of pages defined in a), b) and c).

5.2.5 For characters and raster graphics content, the ability to handle the basic features defined by Recommendation T.501.

5.2.6 The ability to create blocks of different sizes which can overlap within the page.

5.2.7 The ability to process up to 31 received blocks for presentation as a single page, without using negotiation.

5.2.8 The ability to handle the call identification line information (see § 6.1.2).