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T.351

TERMINAL EQUIPMENT AND PROTOCOLS FOR TELEMATIC SERVICES

IMAGING PROCESS OF CHARACTER INFORMATION ON FACSIMILE APPARATUS

ITU-T Recommendation T.351

(Extract from the *Blue Book*)

NOTES

1 ITU-T Recommendation T.351 was published in Fascicle VII.5 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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Recommendation T.351

IMAGING PROCESS OF CHARACTER INFORMATION ON FACSIMILE APPARATUS

(Melbourne, 1988)

0 Introduction

This Recommendation defines the page formatting characteristics of the information conversion process, for imaging character-information on a facsimile apparatus.

1 Scope and field of application

This Recommendation intends to specify the method for positioning in a correct manner character structured messages, in facsimile pages, conforming to the format defined in Recommendation T.4 Group 3 facsimile apparatus, and Recommendation T.563 for facsimile Group 4 apparatus. The intention is to insure the printing of the information inside the guaranteed printable area of the facsimile pages.

This Recommendation specifies in terms of facsimile picture elements (pels), the initial position and spacing of the characters along the lines and the spacing between the lines, for creating a facsimile page from the character structured information. It does not define neither the shape, nor the repertoire of the characters to be imaged, which is of the responsibility of the application.

Different types of character encoded information, to be printed on both Group 3 and Group 4 facsimile apparatus, are considered, namely teletex, telex, videotex and IA 5 text.

Consideration of mixed mode information requires further study.

This Recommendation applies when interworking implying image conversion between different type of information, including facsimile, is required within a regulated service, such as MHS service.

2 References

- Recommendation F.1: Operational provisions for the international public telegram service.
- Recommendation S.5: Standardization of page-printing start-stop equipment and cooperation between page-printing and tape-printing start-stop equipment (ITA No. 2).
- Recommendation T.4: Standardization of Group 3 facsimile apparatus for document transmission.
- Recommendation T.50: International Alphabet No.5.
- Recommendation T.60: Terminal equipment for use in the Teletex service.
- Recommendation T.61: Character repertoire and coded character sets for the international Teletex service.
- Recommendation T.563: General aspects of Group 4 facsimile apparatus.
- Recommendation X.408: Message handling systems: Encoded information type conversion rules.

3 Definitions

See the Recommendations quoted in reference.

4 Basic principles

The figures given in this Recommendation, in terms of number of picture elements and facsimile lines, refer to the standard values defined for the resolution in Recommendation T.4 for Group 3 facsimile apparatus (1728 pels/215 mm and 3.85 lines/mm), and in Recommendation T.563 for Group 4 facsimile apparatus (1728 pels/219.46 mm and 200 lines/25.4 mm).

These figures are defined relatively to the transmitted facsimile lines.

The reference position of the first character line is defined using the base line and home position concepts, as defined in Recommendation T.60, Annexes A and B.