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SPECIFICATIONS OF SIGNALLING SYSTEM No. 7

SIMPLIFIED MTP VERSION FOR SMALL SYSTEMS

ITU-T Recommendation Q.710

(Extract from the *Blue Book*)

NOTES

1 ITU-T Recommendation Q.710 was published in Fascicle VI.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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Recommendation Q.710

SIMPLIFIED MTP VERSION FOR SMALL SYSTEMS

1 Field of application

1.1 This Recommendation is applicable for systems using a simplified MTP version to interface to the public network(s).

1.2 The MTP functions specified in § 3 of this Recommendation may be applied in general for small systems, e.g., PABX's, remote concentrators, etc., interfacing with the message transfer part described in Recommendations Q.702, Q.703, Q.704 and Q.707.

1.3 The Recommendation applies only for digital access arrangements.

1.3.1 In case one channel carries signalling information for more than one multiplex system, at least one additional channel should be pre-assigned as a stand-by signalling link in a multiplex system other than that which contains the active channel. This allows the changeover and changeback procedures specified in §§ 3.4.4 and 3.4.5 to be performed.

1.3.2 The stand-by channel(s) should not be used as B-channel(s).

1.4 Only the associated mode of signalling is applicable.

1.5 A variety of information types may be supported by the signalling system, e.g., relating to circuit switched call control and packet communication.

2 Functional content

The functional requirements are as follows:

2.1 The network call control functions are as specified in Recommendation Q.930 (I.451).

Note - Different network layer protocols (circuit switching and packet switching) may be supported by using the protocol discriminator included in Recommendation Q.930. As an alternative, different network layer entities may access the interface functions directly. In that case, the interface functions will use separate service indicator codes to discriminate the applicable network layer entity. This will be similar to the use of SAPI specified in Recommendation Q.920. Which principle to be applied is determined by the Administration/RPOA.

2.2 The minimum set of Message Transfer Part functions are specified in Recommendations Q.702, Q.703, Q.704 and Q.707, with the qualifications specified in § 3 of this Recommendation.

2.3 The additional interface functions required for the proper operation of the D-channel call control functions in combination with the message transfer part functions, are specified in § 4 of this Recommendation (see Figure 1/Q.710).