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MAINTENANCE: COMMON CHANNEL SIGNALLING SYSTEMS

TRANSMISSION CHARACTERISTICS FOR SETTING UP AND LINING UP A TRANSFER LINK FOR COMMON CHANNEL SIGNALLING SYSTEM No. 6 (ANALOGUE VERSION)



Recommendation M.4030

FOREWORD

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Recommendation M.4030 was revised by Study Group IV and was approved under the Resolution No. 2 procedure on the 5th of October 1992.

CCITT NOTE

In this Recommendation, the expression "Administration" is used for conciseness to indicate both a telecommunication administration and a recognized private operating agency.

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Recommendation M.4030**TRANSMISSION CHARACTERISTICS FOR SETTING UP AND LINING UP A TRANSFER LINK
FOR COMMON CHANNEL SIGNALLING SYSTEM No. 6 (ANALOGUE VERSION)¹⁾***(Published 1980 as M.761; revised and renumbered in 1992)**Abstract*

Provide details of the transmission characteristics required of a link which will be used for the exchange of signalling information in the common channel Signalling System No. 6 format.

Keywords

- lining up;
- setting up;
- Signalling System No. 6;
- transfer link;
- transmission characteristics.

1 Setting up and lining up a transfer link

1.1 The method to be used and procedure to be followed in setting up and lining up a transfer link are similar to those given in Recommendation M.1050 [1] in so far as it applies. However, in this context, any reference to national sections in Recommendation M.1050 [1] should be ignored since a transfer link exists between terminal international centres and does not include national sections.

1.2 Routing restrictions may be necessary to achieve the loss/frequency and group-delay distortion limits specified below if the need to insert equalizers is to be avoided. Factors that may contribute to difficulties in meeting these limits are the number of through-group filters in group links, the use of edge band channels in group links, etc.

In addition, the number of channel translating equipment should be minimized in order that equalization, if required, may be more easily achieved, and that the effect of other parameters, such as noise, may be minimized.

2 Transmission characteristics of a transfer link**2.1 General**

The transmission characteristics of the circuit to be used as the signalling data link are based on those for international leased circuits conforming to Recommendation M.1020 [2]. Optionally, the relaxed overall loss/frequency characteristic and group-delay distortion limits specified in Recommendation Q.272 [3] may be applied where agreed between the Administrations involved and if tests confirm suitability.

2.2 Overall loss at reference frequency

The overall loss at reference frequency of the channels of a transfer link is not specified.

¹⁾ A general description of the transfer link for the common channel Signalling System No. 6 may be found in Recommendation M.760 [6].