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CCITT

THE INTERNATIONAL
TELEGRAPH AND TELEPHONE
CONSULTATIVE COMMITTEE

M.4010

(10/92)

MAINTENANCE : COMMON CHANNEL SIGNALLING SYSTEMS

INTER-ADMINISTRATION AGREEMENTS ON COMMON CHANNEL SIGNALLING SYSTEM No. 6



Recommendation M.4010

FOREWORD

The CCITT (the International Telegraph and Telephone Consultative Committee) is a permanent organ of the International Telecommunication Union (ITU). CCITT is responsible for studying technical, operating and tariff questions and issuing Recommendations on them with a view to standardizing telecommunications on a worldwide basis.

The Plenary Assembly of CCITT which meets every four years, establishes the topics for study and approves Recommendations prepared by its Study Groups. The approval of Recommendations by the members of CCITT between Plenary Assemblies is covered by the procedure laid down in CCITT Resolution No. 2 (Melbourne, 1988).

Recommendation M.4010 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.4010**INTER-ADMINISTRATION AGREEMENTS ON COMMON CHANNEL
SIGNALLING SYSTEM No. 6***(Published in 1984 as M.750; revised and renumbered in 1992)**Abstract*

Describes agreements necessary between Administrations which intend to exchange signalling information over common channel Signalling System No. 6. Examples are:

- the number and type of links;
- signalling method (en-bloc or overlap);
- options;
- etc.

The outline of a test programme is provided with information on where further details may be found.

Keywords

- agreement;
- common channel;
- line-up;
- signalling No. 6.

1 Introduction

The bringing into service of new telephone circuits and signalling systems requires that a number of agreements be made in advance by the Administrations involved. Examples of such agreements are:

- routing of circuits (cable, satellite, etc.);
- mode of operation (incoming, outgoing, both-way);
- circuit designations;
- order of selection of both-way circuits.

For common channel signalling systems, a number of agreements are needed in addition to those required for channel-associated signalling systems (e.g. R2).

This Recommendation explains the principal inter-Administration agreements which must be made in advance of opening a Signalling System No. 6 service and is provided as guidance to those Administrations intending to operate such a service.

Many of the aspects covered by this Recommendation relate to matters contained in the specification of Signalling System No. 6, as appearing in the Q-Series Recommendations [1]. Where appropriate, cross references to such Recommendations are given.

2 Common channel Signalling System No. 6 (SS No. 6)

The introduction to the specification of SS No. 6 and Recommendation Q.251 [2] provide general and functional descriptions of the signalling system.

Recommendation M.760 [17] contains a basic diagram of SS No. 6 and a general description of the (signalling) transfer link.