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**TELEPHONE NETWORK AND ISDN
OPERATION, NUMBERING, ROUTING
AND MOBILE SERVICE**

**CAPABILITY FOR SEVEN DIGIT
ANALYSIS OF INTERNATIONAL E.164
NUMBERS AT TIME T**

ITU-T Recommendation E.162

(Previously "CCITT Recommendation")

FOREWORD

The ITU-T (Telecommunication Standardization Sector) is a permanent organ of the International Telecommunication Union (ITU). The ITU-T 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 World Telecommunication Standardization Conference (WTSC), which meets every four years, establishes the topics for study by the ITU-T Study Groups which, in their turn, produce Recommendations on these topics.

The approval of Recommendations by the Members of the ITU-T is covered by the procedure laid down in WTSC Resolution No. 1 (Helsinki, March 1-12, 1993).

ITU-T Recommendation E.162 was prepared by ITU-T Study Group 2 (1993-1996) and was approved under the WTSC Resolution No. 1 procedure on the 21st of April 1995.

NOTE

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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SUMMARY

This Recommendation outlines the requirement for increased digit analysis, from six digits to seven digits, of the international E.164 number. This requirement is in addition to previous requirements in Recommendations E.164 and E.165, associated with Time *T*.

**CAPABILITY FOR SEVEN DIGIT ANALYSIS
OF INTERNATIONAL E.164 NUMBERS AT TIME *T***

(Geneva, 1995)

1 Introduction

Recommendation E.165 sets a specific time (Time *T*) after which all ISDNs and PSTNs can use the full capability of Recommendation E.164: “Numbering plan for the ISDN era”.

This Recommendation does not imply any delay to Time *T*. This date and time is unchanged by this Recommendation.

This Recommendation outlines the requirement for increased digit analysis, from six digits to seven digits, of the international E.164 number. This requirement is in addition to previous requirements in Recommendations E.164 and E.165, associated with Time *T*.

2 Date of Time *T*

The date for Time *T* has been set, in Recommendation E.165, as 31 December 1996 at 2359 hours Coordinated Universal Time (UTC). The date and time of Time *T* is unchanged by this Recommendation.

3 Network requirements for seven digit analysis at Time *T*

Number analysis requirements post Time *T*, as reflected in 3.2.4/E.164, Geneva 1991, have been changed. The new number analysis requirements at Time *T* are outlined below:

- The originating country must analyse a number of digits of the E.164 international number. The National Destination Code (NDC) increases the potential requirement for number analysis because it provides for a combination of either a Trunk Code (TC) and/or a network identification function. Careful consideration should be given to the preparation of the National Destination Code (NDC) assignments.

On international calls, the number analysis performed at the originating country need not be more than the country code and:

- four digits on the N(S)N in the case of a country with a three-digit country code;
- five digits on the N(S)N in the case of a country with a two-digit country code;
- six digits on the N(S)N in the case of a country with a one-digit country code.

Although the potential for seven-digit analysis exists, it is not required for every call. The terminating country will inform the originating country which of the digits of the E.164 number will indicate that seven-digit analysis is required.

Some Administrations will be able to implement the charging arrangements with seven-digit analysis at the same time as the associated routing. Others may not be able to implement the charging arrangements at the same time; bilateral arrangements should be established between these Administrations, if needed.

NOTE – The requirements for seven-digit analysis on international calls, as described above, will also be included in Recommendation E.164 when it is re-issued.

4 History

Recommendation approved in April 1995.