INTERNATIONAL TELECOMMUNICATION UNION

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

E.165.1

(10/96)

SERIES E: TELEPHONE NETWORK AND ISDN

Operation, numbering, routing and mobile services – International operation – Numbering plan of the international telephone service

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Use of escape code "0" within the E.164 numbering plan during the transition period to implementation of NPI mechanism

ITU-T Recommendation E.165.1

(Previously CCITT Recommendation)

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ITU-T RECOMMENDATION E.165.1

USE OF ESCAPE CODE "0" WITHIN THE E.164 NUMBERING PLAN DURING THE TRANSITION PERIOD TO IMPLEMENTATION OF NPI MECHANISM

Summary

This Recommendation describes the use of escape code "0" within the E.164 numbering plan in order to facilitate number plan interworking during the transition period to implementation of the NPI mechanism.

Source

ITU-T Recommendation E.165.1 was prepared by ITU-T Study Group 2 (1993-1996) and was approved under the WTSC Resolution No. 1 procedure on the 8th of October 1996.

FOREWORD

ITU (International Telecommunication Union) is the United Nations Specialized Agency in the field of telecommunications. The ITU Telecommunication Standardization Sector (ITU-T) is a permanent organ of the 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).

In some areas of information technology which fall within ITU-T's purview, the necessary standards are prepared on a collaborative basis with ISO and IEC.

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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Recommendation E.165.1

USE OF ESCAPE CODE "0" WITHIN THE E.164 NUMBERING PLAN DURING THE TRANSITION PERIOD TO IMPLEMENTATION OF NPI MECHANISM

(Geneva, 1996)

1 Introduction

This Recommendation describes the use of escape code "0" within the E.164 numbering plan in order to facilitate number plan interworking during the transition period to implementation of the NPI mechanism.

Recommendation E.164 (1991) provides for escape code "0" to be used to indicate that the digits following the escape code are digits according to the X.121 numbering plan.

Recommendation E.166/X.122 describes numbering plan interworking using either the escape code method or the NPI method. The recommended method and long-term requirement is for the use of NPI in place of the present use of escape codes. Only the NPI mechanism has the capability to carry a 15-digit E.164 number in the X.25 and X.75 call set-up packets.

2 References

The following Recommendations and other references contain provision which, through reference in this text, constitute provisions of this Recommendation. At the time of publication, the editions indicated were valid. All Recommendations and other references are subject to revision: all users of this Recommendation are therefore encouraged to investigate the possibility of applying the most recent edition of the Recommendations and other references listed below. A list of the currently valid ITU-T Recommendations is regularly published.

– CCITT Recommendation E.164 (1991), *Numbering plan for the ISDN era*.

– CCITT Recommendation E.165 (1988), *Timetable for coordinated implementation of the full capability of the numbering plan for the ISDN era (Recommendation E.164).*

– ITU-T Recommendation E.166/X.122 (1996), *Numbering plan interworking for the E.164 and X.121 numbering plans*.

– ITU-T Recommendation X.123 (1996), *Mapping between escape codes and TOA/NPI for E.164/X.121 numbering plan interworking during the transition period*.

3 Use of escape code "0" within the E.164 numbering plan

The use of digit "0" (zero) as an escape code has been provided within the E.164 numbering plan to enable numbering plan interworking and its use is described in Recommendation E.166/X.122. The escape code method is a temporary arrangement to facilitate interworking prior to the implementation of Numbering Plan Identifier (NPI) based interworking solutions.

It should be carefully noted that due to the demand for country codes within the E.164 numbering plan, it has been identified that it will be necessary to recover escape code "0". The use of escape code "0" within in the E.164 numbering plan will be discontinued at 2359 hours (UTC), 31 December 2000.

Accordingly, packet mode terminals on networks numbered under E.164 should evolve at the earliest opportunity towards support of the NPI mechanism to ensure an ongoing interworking capability beyond the time at which the E.164 escape "0" is discontinued.

Also signalling protocols being developed/implemented should not utilize the escape code method for signalling that the number is from a different numbering plan.

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