



INTERNATIONAL TELECOMMUNICATION UNION

**ITU-T**

TELECOMMUNICATION  
STANDARDIZATION SECTOR  
OF ITU

**E.167**

**TELEPHONE NETWORK AND ISDN**

**OPERATION, NUMBERING, ROUTING AND MOBILE  
SERVICE**

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**ISDN NETWORK IDENTIFICATION CODES**

**ITU-T Recommendation E.167**

(Extract from the *Blue Book*)

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## NOTES

1 ITU-T Recommendation E.167 was published in Fascicle II.2 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.

## Recommendation E.167

### ISDN NETWORK IDENTIFICATION CODES

#### 1 General

This Recommendation presents the interim structure for the ISDN Network Identification Code (INIC) that is used to identify an ISDN network in Closed User Group (CUGs) and in certain X.75 utilities. The interim INIC does not form any part of an E.164 number.

The structure of a permanent INIC has not been agreed, and is for urgent further study.

#### 2 Usage

##### 2.1 Closed user groups

The format of the Interlock Code (IC) in Signalling System No. 7 is based on the format defined in Recommendation X.180 concerning closed user group utilities and used in Recommendation X.75, i.e., a 32 bit code divided into two parts. Part A is 16 bits and is coded to identify a 4 digit number, and Part B is coded as a 16 bit equivalent of a decimal number.

Part A will consist of an interim INIC [or a Data Network Identification Code (DNIC)] to identify the individual ISDN (or PDN) that is responsible for administering the closed user group (CUG). Part A of the IC contains space for a string of 4 decimal digits. The interim INIC thus is a string of 4 digits beginning with a digit that distinguishes interim INICs from any DNIC.

##### 2.2 X.75 utilities

The interim INIC can be used to identify an ISDN in the TNIC (Transit Network Identification Code) and CNIC (Clearing Network Identification Code) CUG utilities of the X.75 protocol.

#### 3 Format of the interim ISDN network identification code

##### 3.1 Definition

The **interim INIC** is a string of 4 digits. Each different string of digits may be used to identify an individual ISDN. The first digit I distinguishes the INIC from a DNIC. This digit is followed by the country code from the E.163/E.164 numbering plan which has a length of one, two or three digits (see Recommendation E.163). The E.163/E.164 country code is followed by enough additional digits, X, to make the total length of the INIC 4 digits. The format is shown in Table 1/E.167.

TABLE 1/E.167

#### Format of the interim INIC

I is the initial digit, C is a digit of the country code  
and X is an additional digit

Country code	INIC Format
One digit	ICXX
Two digits	ICCX
Three digits	ICCC

### 3.2 *Digit I*

The digit I may be 0 or 9. The use of the digits 8 and 1 as the digit I requires further study.

### 3.3 *Additional digits*

Each additional digit is a digit in the range 0 to 9.

### 3.4 *Other formats*

The formats 00XX and 90XX could provide for 200 additional INICs not associated with specific country codes. These are for further study.

### 3.5 *Administration*

Each unique combination of digit I, country code, and additional digit(s) can identify a different ISDN, or part of an ISDN.

The Administration to which the country code has been assigned is responsible for administering the digit I and the additional digit(s).

Within each country, it is suggested that the INICs beginning with the digit I = 0 be assigned first, followed by INICs beginning with the digit I = 9.

### 3.6 *Duration of the interim definition*

The interim INIC is for immediate use. Its use will continue until a permanent definition has been agreed to, and a period beyond that to allow a transition to the use of the permanent definition.

## **4 Further usage**

While other uses of the interim INIC are possible, proponents of such use are strongly urged to consider that their implementation should be easily adaptable to the permanent format of the INIC.

## **5 Format of the permanent ISDN network identification code**

The definition of the permanent format of the INIC is for urgent further study.