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SERIES E: OVERALL NETWORK OPERATION,
TELEPHONE SERVICE, SERVICE OPERATION AND
HUMAN FACTORS

International operation – Numbering plan of the
international telephone service

Application of Recommendation E.164 numbering plan for universal international premium rate numbers for the international premium rate service

ITU-T Recommendation E.169.2

(Formerly CCITT Recommendation)

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ITU-T Recommendation E.169.2

Application of Recommendation E.164 numbering plan for universal international premium rate numbers for the international premium rate service

Summary

This ITU-T Recommendation details the application of the ITU-T Recommendation E.164 Numbering Plan for Universal International Premium Rate Numbers (UIPRN) in the provisioning of the International Premium Rate Service as defined in ITU-T Recommendation E.155.

Source

ITU-T Recommendation E.169.2 was prepared by ITU-T Study Group 2 (1997-2000) and approved by the World Telecommunication Standardization Assembly (Montreal, 27 September – 6 October 2000).

FOREWORD

The International Telecommunication Union (ITU) is the United Nations specialized agency in the field of telecommunications. The ITU Telecommunication Standardization Sector (ITU-T) is a permanent organ of ITU. 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 Assembly (WTSA), which meets every four years, establishes the topics for study by the ITU-T study groups which, in turn, produce Recommendations on these topics.

The approval of ITU-T Recommendations is covered by the procedure laid down in WTSA Resolution 1.

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.

INTELLECTUAL PROPERTY RIGHTS

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As of the date of approval of this Recommendation, ITU had not received notice of intellectual property, protected by patents, which may be required to implement this Recommendation. However, implementors are cautioned that this may not represent the latest information and are therefore strongly urged to consult the TSB patent database.

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ITU-T Recommendation E.169.2

Application of Recommendation E.164 numbering plan for universal international premium rate numbers for the international premium rate service

(Montreal, 2000)

1 Scope

This ITU-T Recommendation details the application of the ITU-T Recommendation E.164 Numbering Plan for Universal International Premium Rate Numbers (UIPRN), in the provisioning of the International Premium Rate Service as defined in ITU-T Recommendation E.155.

2 References

The following Recommendations and other references contain provisions 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.

- ITU-T Recommendation D.117 (1999), *Charging and accounting principles for the International Premium Rate Service (IPRS)*.
- ITU-T Recommendation E. 155 (1998), *International Premium Rate Service*.
- ITU-T Recommendation E.164 (1997), *The international public telecommunication numbering plan*.
- ITU-T Recommendation E.164.1 (1998), *Criteria and procedures for the reservation, assignment, and reclamation of E.164 country codes and associated Identification Codes (ICs)*.
- ITU-T Recommendation E.190 (1997), *Principles and responsibilities for the management, assignment and reclamation of E-series international numbering resources*.

3 Definitions

This ITU-T Recommendation defines the following terms:

3.1 ageing period: A nominal six-month period of time when a previously assigned UIPRN remains idle before being reassigned.

3.2 applicant: The service provider, an ROA, as defined in the Annex of the ITU Constitution (Geneva, 1992) that submits an application for a UIPRN on behalf of the IPRS customer in accordance with this ITU-T Recommendation and ITU-T Recommendation E.155.

3.3 charging/accounting Indicator (CI): The digit belonging to the UIPRN and mnemonically associated with the charging range. Use of a CI allows the service user to be informed about the rate or value applied before dialling of the UIPRN. Service providers may use the CI for accounting purposes.

3.4 international premium rate number: A number dialled by a caller to obtain a connection to an IPRS customer for the IPRS.

3.5 international premium rate service customer: The information (content) provider. The customer of the Applicant (see 3.2).

3.6 universal international premium rate number (UIPRN): A unique number which is assigned to the IPRS customer on a global basis for the provision of the IPRS.

3.7 UIPRN registrar: The administrator responsible for processing registration requests and assigning the UIPRN resource.

4 Abbreviations

This ITU-T Recommendation uses the following abbreviations:

CC	Country Code
CI	Charging/Accounting Indicator
IPRS	International Premium Rate Service
PRSN	Premium Rate Subscriber Number
ROA	Recognized Operating Agency
SN	Subscriber Number
TSB	Telecommunication Standardization Bureau
UIPRN	Universal International Premium Rate Number

5 UIPRN principles and format

5.1 UIPRN principles¹

The following principles were used in the development of the UIPRN format and assignment procedures, and should be considered with the use of UIPRNs.

5.1.1 To ensure full IPRS customer flexibility, the UIPRN should be service provider portable, giving the IPRS customers the ability to retain their assigned UIPRNs and change their service providers. The UIPRN does not contain any identification of country (origin or destination), administrative code or service provider code.

5.1.2 The structure of UIPRN should offer IPRS customer's freedom in choosing the digits to form a particular UIPRN that suits their purposes.

5.1.3 The format of the UIPRN should facilitate proper and efficient routing of individual calls by service providers.

5.1.4 The treatment of all UIPRN related activities, among nations, IPRS service providers and IPRS customers should be fair and unbiased.

5.2 UIPRN format

A UIPRN is composed of a 3-digit CC for a global service application (979), a single digit Charging/Accounting Indicator (CI), and an 8-digit Subscriber Number (SN), resulting in a 12-digit fixed format² (CC+CI+SN) (see Figure 1):

¹ Reference should also be made to ITU-T Recommendation E.190.

² Service Providers should be aware that more than twelve digits may be dialled for commercial reasons. Commercial advertisements may contain more letters than the comparable digits in a telephone number and be inadvertently dialled by a customer. These calls should not be blocked for that reason.

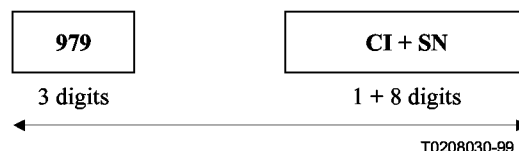


Figure 1/E.169.2 – Universal International Premium Rate Number (UIPRN)

As an example, an IPRS customer's UIPRN could be 979 1 12345678, where 1 is the Charging/Accounting Indicator, and 12345678 is the IPRS customer's SN.

All calls to a UIPRN must be preceded by an international prefix.

5.3 Charging/Accounting Indicator³

The UIPRN will include a single-digit CI following the global service code (979). The purpose of the indicator is to allow IPRS providers the ability to separate charging rates for premium rate calls, based on subscriber charging preferences. For this purpose four bands were created and have been generally characterized as "High", "Medium", "Low", and "Special". The digits within the indicator are allocated as follows:

Digit	Application
1	Charging Band 1
2	Reserved for future use
3	Charging Band 2
4	Reserved for future use
5	Charging Band 3
6	Reserved for future use
7	Reserved for future use
8	Reserved for future use
9	Special Charging Band
0	Reserved for future use

5.4 Specific Charging/Accounting Indicator³

The specific Charging/Accounting Indicator used with each SN within a UIPRN is determined between the service providers involved and may change on a country-by-country basis. It is recommended that the same SN with different CIs not be implemented in the same country in order to minimize customer confusion and operational complexities.

6 Number assignment principles⁴

6.1 All assigned UIPRNs must be used in conformance with ITU-T Recommendation E.155.

6.2 Applications for UIPRNs will only be considered when a valid (see 6.3 and 6.4 below), and complete UIPRS Request Form has been received from an eligible Applicant by the Registrar.

³ Reference should also be made to ITU-T Recommendation D.117.

⁴ Reference should also be made to ITU-T Recommendations E.164 and E.164.1.