

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

E.169.1

(02/2019)

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

International operation – Numbering plan of the
international telephone service

Application of Recommendation ITU-T E.164 numbering plan for universal international freephone numbers for international freephone service

Recommendation ITU-T E.169.1

ITU-T E-SERIES RECOMMENDATIONS

OVERALL NETWORK OPERATION, TELEPHONE SERVICE, SERVICE OPERATION AND HUMAN FACTORS

INTERNATIONAL OPERATION	
Definitions	E.100–E.103
General provisions concerning Administrations	E.104–E.119
General provisions concerning users	E.120–E.139
Operation of international telephone services	E.140–E.159
Numbering plan of the international telephone service	E.160–E.169
International routing plan	E.170–E.179
Tones in national signalling systems	E.180–E.189
Numbering plan of the international telephone service	E.190–E.199
Maritime mobile service and public land mobile service	E.200–E.229
OPERATIONAL PROVISIONS RELATING TO CHARGING AND ACCOUNTING IN THE INTERNATIONAL TELEPHONE SERVICE	
Charging in the international telephone service	E.230–E.249
Measuring and recording call durations for accounting purposes	E.260–E.269
UTILIZATION OF THE INTERNATIONAL TELEPHONE NETWORK FOR NON-TELEPHONY APPLICATIONS	
General	E.300–E.319
Phototelegraphy	E.320–E.329
ISDN PROVISIONS CONCERNING USERS	E.330–E.349
INTERNATIONAL ROUTING PLAN	E.350–E.399
NETWORK MANAGEMENT	
International service statistics	E.400–E.404
International network management	E.405–E.419
Checking the quality of the international telephone service	E.420–E.489
TRAFFIC ENGINEERING	
Measurement and recording of traffic	E.490–E.505
Forecasting of traffic	E.506–E.509
Determination of the number of circuits in manual operation	E.510–E.519
Determination of the number of circuits in automatic and semi-automatic operation	E.520–E.539
Grade of service	E.540–E.599
Definitions	E.600–E.649
Traffic engineering for IP-networks	E.650–E.699
ISDN traffic engineering	E.700–E.749
Mobile network traffic engineering	E.750–E.799
QUALITY OF TELECOMMUNICATION SERVICES: CONCEPTS, MODELS, OBJECTIVES AND DEPENDABILITY PLANNING	
Terms and definitions related to the quality of telecommunication services	E.800–E.809
Models for telecommunication services	E.810–E.844
Objectives for quality of service and related concepts of telecommunication services	E.845–E.859
Use of quality of service objectives for planning of telecommunication networks	E.860–E.879
Field data collection and evaluation on the performance of equipment, networks and services	E.880–E.899
OTHER	E.900–E.999
INTERNATIONAL OPERATION	
Numbering plan of the international telephone service	E.1100–E.1199
NETWORK MANAGEMENT	
International network management	E.4100–E.4199

For further details, please refer to the list of ITU-T Recommendations.

Recommendation ITU-T E.169.1

Application of Recommendation ITU-T E.164 numbering plan for universal international freephone numbers for international freephone service

Summary

Recommendation ITU-T E.169.1 details the application of the ITU-T E.164 Numbering Plan for the Universal International Freephone Numbers (UIFN) in the provisioning of International Freephone Service (IFS) as defined in Recommendation ITU-T E.152. It has been amended and refined in the light of experience gained by service providers and the UIFN Registrar since the inauguration of the UIFN in early 1997.

This Recommendation was previously numbered ITU-T E.169. It has been renumbered as ITU-T E.169.1, and forms part of the ITU-T 169.x-series Recommendations describing the numbering plans and assignment procedures for various international services.

History

Edition	Recommendation	Approval	Study Group	Unique ID*
1.0	ITU-T E.169	1996-02-19	2	11.1002/1000/3309
2.0	ITU-T E.169	1998-11-13	2	11.1002/1000/4527
3.0	ITU-T E.169.1	2001-09-14	2	11.1002/1000/5484
4.0	ITU-T E.169.1	2019-02-28	2	11.1002/1000/13736

* To access the Recommendation, type the URL <http://handle.itu.int/> in the address field of your web browser, followed by the Recommendation's unique ID. For example, <http://handle.itu.int/11.1002/1000/11830-en>.

FOREWORD

The International Telecommunication Union (ITU) is the United Nations specialized agency in the field of telecommunications, information and communication technologies (ICTs). 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.

Compliance with this Recommendation is voluntary. However, the Recommendation may contain certain mandatory provisions (to ensure, e.g., interoperability or applicability) and compliance with the Recommendation is achieved when all of these mandatory provisions are met. The words "shall" or some other obligatory language such as "must" and the negative equivalents are used to express requirements. The use of such words does not suggest that compliance with the Recommendation is required of any party.

INTELLECTUAL PROPERTY RIGHTS

ITU draws attention to the possibility that the practice or implementation of this Recommendation may involve the use of a claimed Intellectual Property Right. ITU takes no position concerning the evidence, validity or applicability of claimed Intellectual Property Rights, whether asserted by ITU members or others outside of the Recommendation development process.

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, implementers are cautioned that this may not represent the latest information and are therefore strongly urged to consult the TSB patent database at <http://www.itu.int/ITU-T/ipr/>.

© ITU 2019

All rights reserved. No part of this publication may be reproduced, by any means whatsoever, without the prior written permission of ITU.

Table of Contents

	Page
1 Scope.....	1
2 References.....	1
3 Definitions	1
3.1 Terms defined elsewhere	1
3.2 Terms defined in this Recommendation.....	1
4 Abbreviations and acronyms	2
5 UIFN principles and format.....	3
5.1 UIFN principles	3
5.2 UIFN format	3
6 Number assignment principles	3
7 Applicant procedures	4
8 Registrar procedures	4
9 Change request procedures	4
10 Registrar start-up and duplicate request procedures.....	4
11 Preparation of Universal International Freephone Number request form	4
12 Preparation of Universal International Freephone Number status notification form ...	4
13 Preparation of UIFN Multiple ROAs notification form	4
Annex A – Applicant procedures.....	5
Annex B – Registrar procedures	7
Annex C – Change request procedures	9
C.1 Change request procedures.....	9
Annex D – Registrar start-up and duplicate request procedures.....	10
D.1 Registrar procedures	10
D.2 Duplicate requests procedures	10
Annex E – Preparation of Universal International Freephone Number Request Form	13
E.1 Preparation of Universal International Freephone Number Request Form – Part A	13
E.2 Preparation of Universal International Freephone Number Request Form – Part B	13
Annex F – Preparation of Universal International Freephone Number Status Notification Form.....	16
F.1 Preparation of Universal International Freephone Number Status Notification Form –Part A.....	16
F.2 Preparation of Universal International Freephone Number Status Notification Form – Part B	16
Annex G – Preparation of UIFN Multiple RoAs Notification Form	18
G.1 Preparation of UIFN Multiple ROAs Notification Form – Part A	18

	Page
G.2 Preparation of UIFN Multiple ROAs Notification Form – Part B	18
Appendix I – Applicant procedure	20
Appendix II – Registrar procedure.....	21
Appendix III – Duplicate request procedure.....	22

Recommendation ITU-T E.169.1

Application of Recommendation ITU-T E.164 numbering plan for universal international freephone numbers for international freephone service

1 Scope

This Recommendation details the application of the ITU-T E.164 Numbering Plan for Universal International Freephone Numbers (UIFN) in the provisioning of International Freephone Service (IFS) as defined in [ITU-T E.152]. The assignment of numbering resources to applicants under ITU-T E.169.1 is the function/responsibility of the centralized ITU Numbering Administration Group (ITU-NAG) within the ITU-T Telecommunication Standardization Bureau (TSB).

2 References

The following ITU-T 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; 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. The reference to a document within this Recommendation does not give it, as a stand-alone document, the status of a Recommendation.

- [ITU-T E.152] Recommendation ITU-T E.152 (2006), *International freephone service*.
- [ITU-T E.164] Recommendation ITU-T E.164 (2010), *The international public telecommunication numbering plan*.
- [ITU-T E.164.1] Recommendation ITU-T E.164.1 (2008), *Criteria and procedures for the reservation, assignment and reclamation of E.164 country codes and associated identification codes (ICs)*.
- [ITU-T E.190] Recommendation ITU-T E.190 (1997), *Principles and responsibilities for the management, assignment and reclamation of E-series international numbering resources*.
- [ITU-T E.195] Recommendation ITU-T E.195 (2000), *ITU-T International numbering resource administration*.

3 Definitions

3.1 Terms defined elsewhere

None.

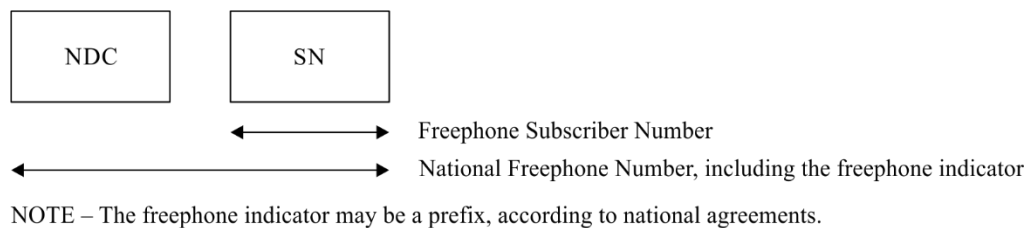
3.2 Terms defined in this Recommendation

This Recommendation defines the following terms:

3.2.1 ageing period: A nominal six-month period of time when a previously assigned UIFN remains idle before being reassigned. A UIFN may be reassigned after it has been aged for three months, if requested by an applicant.

3.2.2 applicant¹: The service provider, an ROA, as defined in the Annex of the ITU Constitution (Geneva, 1992) that submits an application for a Global Subscriber Number (GSN) of the UIFN on behalf of the IFS customer in accordance with this Recommendation and with [ITU-T E.152].

3.2.3 Freephone Subscriber Number (FSN): Freephone subscriber number is the subscriber number portion of the national ITU-T E.164 freephone number as shown in Figure 1. The subscriber number length is in accordance with the national number plan and does not include prefixes, suffixes, access codes, or any additional digits used in promoting the number. This is the entire and only portion of a national freephone number that qualifies for priority when embedded in a UIFN.



E.169.1(19)_F01

Figure 1 – Freephone Subscriber Number as part of the national ITU-T E.164 freephone number

3.2.4 IFS caller: The person who places a call to a UIFN.

3.2.5 IFS customer: The individual or entity that obtains a UIFN from an IFS service provider.

3.2.6 IFS service provider: The recognized operating agency (ROA) that provides the international freephone service (IFS).

3.2.7 number embedding: A method by which an international freephone service (IFS) customer's existing national Freephone Subscriber Number (FSN) is integrated as part of the Global Subscriber Number (GSN) portion of the new Universal International Freephone Number (UIFN).

3.2.8 registrar: The entity responsible for processing registration requests, and assignment of the GSN portion of the UIFN in accordance with this Recommendation and with [ITU-T E.152].

3.2.9 Universal International Freephone Number: The Universal International Freephone Number (UIFN) enables an IFS customer to be allocated a unique freephone number(s) that is the same throughout the world. A UIFN is composed of a 3-digit country code for a global service application, 800 and an 8-digit GSN.

4 Abbreviations and acronyms

This Recommendation uses the following abbreviations and acronyms:

CC	Country Code
FSN	Freephone Subscriber Number
GSN	Global Subscriber Number
IFS	International Freephone Service
NDC	National Destination Code
ROA	Recognized Operating Agency
SN	Subscriber Number

¹ National Administrations may, as a national matter, choose to co-ordinate applications from their ROAs, or to be the Applicant on behalf of their ROAs.

TSB	Telecommunication Standardization Bureau
UIFN	Universal International Freephone Number

5 UIFN principles and format

5.1 UIFN principles

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

5.1.1 To ensure full IFS customer flexibility, the UIFN should be portable, giving the IFS customers the ability to retain their assigned UIFNs and change their service providers. The Global Subscriber Number (GSN) portion of the UIFN does not contain any identification of country (origin or destination), administrative code or service provider code.

5.1.2 The structure of UIFN should offer IFS customers freedom in choosing the digits to form a particular UIFN that suits their purposes.

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

5.1.4 To ensure fair and unbiased treatment of all UIFNs related activities among nations, IFS service providers and IFS customers.

5.2 UIFN format

A UIFN is composed of a 3-digit country code (CC) for a global service application, 800 and an 8-digit GSN, resulting in an 11-digit fixed format² (see Figure 2):

As an example, an IFS customer's UIFN could be 800 12345678, where 12345678 is the IFS customer's GSN.

An IFS caller must dial an international prefix prior to the UIFN.

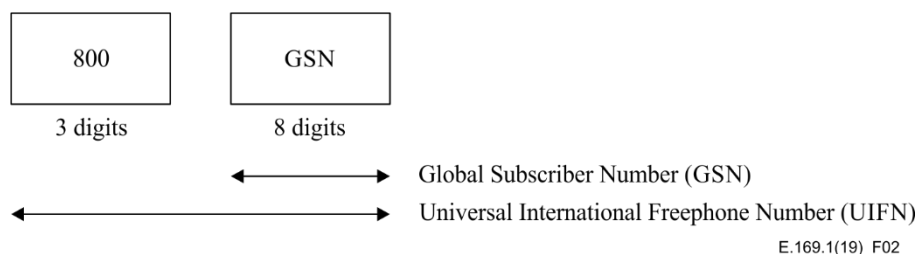


Figure 2 – UIFN format

6 Number assignment principles

6.1 All assigned UIFNs must be used in conformance with this Recommendation.

6.2 Applications for UIFNs will only be considered when a valid, see c) and d) below, and complete UIFN Request Form has been received from an eligible Applicant by the Registrar.

6.3 UIFNs will be assigned to IFS customers who will use the IFS service between two or more countries, i.e., IFS customers offering a service that is only accessed from within a single national, or integrated numbering plan, will not be considered eligible.

² The network operator should be aware that more than eleven digits may be dialled for commercial reasons. These calls should not be blocked for that reason.