

ITU Operational Bulletin

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GENERAL INFORMATION

Lists annexed to the ITU Operational Bulletin

Note from TSB

A. The following Lists have been published by TSB or BR as Annexes to the ITU Operational Bulletin (OB):

OB No.

- 1125 List of Signalling Area/Network Codes (SANC) (Complement to Recommendation ITU-T Q.708 (03/99)) (Position on 1 June 2017)
- 1125 List of terrestrial trunk radio mobile country codes (Complement to Recommendation ITU-T E.218 (05/2004)) (Position on 1 June 2017)
- 1117 List of mobile country or geographical area codes (Complement to Recommendation ITU-T E.212 (09/2016)) (Position on 1 February 2017).
- 1114 List of Recommendation ITU-T E.164 assigned country codes (Complement to Recommendation ITU-T E.164 (11/2010)) (Position on 15 December 2016)
- 1111 Mobile Network Codes (MNC) for the international identification plan for public networks and subscriptions (According to Recommendation ITU-T E.212 (09/2016)) (Position on 1 November 2016)
- 1109 List of International Signalling Point Codes (ISPC) (According to Recommendation ITU-T Q.708 (03/99)) (Position on 1 October 2016)
- 1096 Legal time 2016
- 1088 List of Issuer Identifier Numbers for the International Telecommunication Charge Card (In accordance with Recommendation ITU-T E.118 (05/2006)) (Position on 15 November 2015)
- 1060 List of ITU Carrier Codes (According to ITU-T Recommendation M.1400 (03/2013)) (Position on 15 September 2014)
- 1055 Status of Radiocommunications between Amateur Stations of Different Countries (In accordance with optional provision No. 25.1 of the Radio Regulations) and Form of Call Signs assigned by each Administration to its Amateur and Experimental Stations (Position on 1 July 2014)
- 1015 Access codes/numbers for mobile networks (According to ITU-T Recommendation E.164 (11/2010)) (Position on 1 November 2012)
- 1002 List of Country or Geographical Area Codes for non-standard facilities in telematic services (Complement to ITU-T Recommendation T.35 (02/2000)) (Position on 15 April 2012)
- 1001 List of the national authorities designated to assign ITU-T Recommendation T.35 terminal provider codes (Position on 1 April 2012)
- 1000 Service Restrictions (Recapitulatory list of service restrictions in force relating to telecommunications operation) (Position on 15 March 2012)
- 994 Dialling Procedures (International prefix, national (trunk) prefix and national (significant) number) (In accordance with ITU-T Recommendation E.164 (11/2010)) (Position on 15 December 2011)
- 991 Call-Back and alternative calling procedures (Res. 21.PP-2006)
- 980 List of Telegram Destination Indicators (In accordance with ITU-T Recommendation F.32 (10/1995)) (Position on 15 May 2011)
- 978 List of Telex Destination Codes (TDC) and Telex Network Identification Codes (TNIC) (Complement to ITU-T Recommendations F.69 (06/1994) and F.68 (11/1988)) (Position on 15 April 2011)
- 977 List of Data Network Identification Codes (DNIC) (According to ITU-T Recommendation X.121 (10/2000))
- 976 List of Data Country or Geographical Area Codes (Complement to ITU-T Recommendation X.121 (10/2000)) (Position on 15 March 2011)
- 974 List of Names of Administration Management Domains (ADMD) (In accordance with ITU-T F.400 and X.400 series Recommendations) (Position on 15 February 2011)
- 955 Various tones used in national networks (According to ITU-T Recommendation E.180 (03/98)) (Position on 1 May 2010)
- 669 Five-letter Code Groups for the use of the International Public Telegram Service (According to ITU-T Recommendation F.1 (03/1998))

B. The following Lists are available online from the ITU-T website:

- | | |
|---|--|
| List of ITU Carrier Codes (ITU-T Rec. M.1400 (03/2013)) | www.itu.int/ITU-T/inr/icc/index.html |
| Bureaufax Table (ITU-T Rec. F.170) | www.itu.int/ITU-T/inr/bureaufax/index.html |
| List of recognized operating agencies (ROAs) | www.itu.int/ITU-T/inr/roa/index.html |

Approval of ITU-T Recommendations

By AAP-37, it was announced that the following ITU-T Recommendations were approved, in accordance with the procedures outlined in Recommendation ITU-T A.8:

- ITU-T E.802 (2007) Amd. 2 (06/2018): Updates and additional information on the degree of variability function in support of E.802
- ITU-T E.840 (06/2018): Statistical framework for end to end network-performance benchmark scoring and ranking
- ITU-T G.709/Y.1331 (2016) Amd. 2 (06/2018)
- ITU-T G.1070 (06/2018): Opinion model for video-telephony applications
- ITU-T G.8021/Y.1341 (06/2018): Characteristics of Ethernet transport network equipment functional blocks
- ITU-T G.8023 (06/2018): Characteristics of equipment functional blocks supporting Ethernet physical layer and FlexE interfaces
- ITU-T L.1030 (06/2018): E-Waste management framework for countries
- ITU-T P.501 (2017) Amd. 1 (06/2018): AM-FM test signal for super-wideband and fullband applications
- ITU-T P.570 (06/2018): Artificial noise-fields in laboratory conditions
- ITU-T P.808 (06/2018): Subjective evaluation of speech quality with a crowdsourcing approach
- ITU-T P.809 (06/2018): Subjective evaluation methods for gaming quality
- ITU-T Y.1543 (06/2018): Measurements in IP networks for inter-domain performance assessment
- ITU-T Y.1546 (2014) Amd. 1 (06/2018): IP-Based Service Availability Function
- ITU-T Y.4118 (06/2018): Internet of Things requirements and technical capabilities for support of accounting and charging

Telephone Service (Recommendation ITU-T E.164)

url: www.itu.int/itu-t/inr/nnp

Mexico (country code: +52)

Communication of 12.VI.2018

Telephone numbering plan

The Basic Technical Numbering Plan (“Numbering Plan”) was published in the Official Gazette of the Federation on 21 June 1996. It lays the foundation for proper administration and use of national numbering in that it allocates the available resources efficiently, fairly, equitably and in a non-discriminatory fashion. Its adoption enabled the country to increase its numbering resources, re-organize existing allocations, harmonize the criteria for allocating long-distance codes and comply with the relevant international recommendations.

On 12 November 2014, the Official Gazette of the Federation published the Agreement of the Plenum of the Federal Institute of Telecommunications issuing number portability rules and modifying the Basic Technical Numbering Plan, the Basic Technical Signalling Plan and the operational requirements for the introduction of geographic and non-geographic number portability.

On 11 May 2018, the Official Gazette of the Federation published the Agreement of the Plenum of the Federal Institute of Telecommunications approving and issuing the Basic Technical Numbering Plan, the Basic Technical Signalling Plan and modification of the number portability rules published on 12 November 2014. These new plans will enter into force on 3 August 2019.

In particular, the new Numbering Plan envisages replacing the concepts of local and geographic numbers with that of national numbers; eliminates the concept of regional codes to delimit geographic areas for the purposes of number assignment and use, adopting in their stead a geographic division of 8 (eight) areas; establishes the need to accredit 85 per cent (eighty five per cent) usage of numbers previously assigned to a specific mode of use and inside one area in order to allocate additional numbering resources to telecommunication service providers (“Providers”).

Additionally, it establishes electronic procedures for the handling and management of procedures related to numbering resources and clear, detailed and concise assessment criteria for their sources; eliminates long-distance originating operator identification codes (ABC) and maintains the assignments of long-distance destination operator identification codes (BCD) — however, these will be used as identification codes for the local originating and destination network (IDO/IDD); requires all fixed and/or mobile service providers to have an administrative identification code (IDA); and incorporates the mobile network code (MNC) assignment procedure.

The new Numbering Plan also requires the submission of bimonthly disaggregated reports on the use of national numbers/non-geographic numbers assigned directly and monthly disaggregated reports on the use of numbers provided by other licensees; it establishes a procedure for the return of numbering resources where the use of one or more national number blocks is not required, their use is not initiated within the set period, a usage of less than 51 per cent (fifty one per cent) is reported for six successive two-month periods, in cases of public interest or national security, as well as pursuant to any legal provision, administrative decision or regulation issued for that purpose.

Furthermore, it establishes a uniform 10-digit dialling procedure for the entire national territory, whether for fixed-line or mobile calls; eliminates the prefixes: 01, 02, 044 and 045; eliminates the prefix 1 in dialling procedures for incoming international calls to mobile numbers in the “calling party pays” mode; and eliminates groups of special service codes and the selection by prior subscription service.

Areas

For the purposes of number assignment and administration, the national territory is divided into eight areas. Thus, all national numbers beginning with the same digit belong to the same area.

The areas are as follows:

Area	Area number
East	2
West	3
North	4
Central	5
North-West	6
South-West	7
North-East	8
South-East	9

With the division of the national territory into areas, for the purposes of number assignment and administration, resources currently allocated to Providers, and those to be assigned, may be used in any population centre that the Provider considers appropriate, bound only by the geographic limits of the area.

National numbering

Structure of national numbering

National numbers shall comprise 10 digits and take the following form:

National numbers	
Area number (1 digit)	9 digits
A	b c d e f g h i j

Where:

A = 2, 3, 4, ..., 9

b = 1, 2, 3, ..., 9

c, d, e, f, g, h, i, j = 0, 1, 2, 3, ..., 9

No national number shall begin with the sequence 9-1-1.

Dialling procedures

The dialling procedure for domestic calls originating from numbers in fixed-line, CPP mobile and MPP mobile (called party pays) modes is as follows:

Destination number modes of use	Dialling procedure
Fixed-line	10-digit national number
MPP mobile	
CPP mobile	

Non-geographic numbering

Structure of non-geographic numbers

Non-geographic numbers shall comprise 10 digits and take the following form:

Geographic numbers	
10 digits	
Non-geographic service code (3 digits)	User number (7 digits)
A0N	d e f g h i j

Where:

A = 2, 3, ..., 9

N = 0, 1, 2, ..., 9

d, e, f, g, h, i, j = 0, 1, 2, ..., 9

Dialling procedure

The dialling procedure for calls to non-geographic numbers is as follows:

Non-geographic numbers
10 digits

Non-geographic service keys

The keys assigned for non-geographic services are as follows:

Non-geographic service key	Description
200	Mobile or fixed satellite telephone service with payment at the point of origin (geostationary systems)
201	Mobile or fixed satellite telephone service with payment at the point of origin (low-orbit systems)
300	Services with charges shared between the points of origin and destination
500	Personal numbers with call transfer; the user making the call pays the local access tariff and the user receiving the call pays the difference
700 ¹	Access numbers for each operator's virtual private network
800	Non-geographic numbers with reverse charging
900	Non-geographic numbers with surcharge for the service provided

¹ The non-geographic numbers corresponding to this service shall be independently administered by each operator.

AON combinations not defined in the table above remain available for other non-geographic services, which must follow the procedures for the creation of new keys.

Special service codes

Structure of special service codes

Special services may be provided by Providers or government entities.

Special service codes use the following structure:

Special service codes (3 digits)
ONX

Where:

N= generic for special service provided = 1, 2, 3, ...,9

X= 0, 1, ...,9

Any numbering sequence of two or more digits other than those already established or the sequence used as prefix for access to the long-distance international service (00) may be used by Providers as long as they do not clash with the national and non-geographic numbering assigned by the Institute. For the services they provide their users directly or via third parties, Providers may use “#”, “*” and other non-numeric characters, except for the structures “*ONX” and “#ONX”, which are reserved.

Under no circumstances should the sequence “911” be used, or any other sequence which might cause confusion with the national emergency services number, 911, such as *911, #911, etc.

Dialling procedures

The dialling procedures for calls to special service codes are as follows:

Special service codes
3 digits

Established special service codes

The established special service codes are as follows:

Code assigned	Special service	Special service provider
010- 019	Available	
020	Operator call assistance service	Telecommunication service providers
021-029	Available	
030	Exact time	Telecommunication service providers
031	Alarm clock	Telecommunication service providers
032-039	Available	

040	Information on national telephone numbers	Telecommunication service providers
041-049	Available	
050	Complaint reception and processing	Telecommunication service providers
051	Generation of PINs	Telecommunication service providers
052-069	Available	
070	Community information	Government entities
071	Electricity services	Government entities
072	Public service reports and complaints	Government entities
073	Drinking water and sewage system	Government entities
074	Traffic information	Government entities
075	Guidance and support for personal safety	Government entities
076	Available	
077	Federal entity and election bodies	Government entities
078	Tourist information	Government entities
079	Available	
080-087	Available	
088	Federal public security services	Government entities
089	Whistle-blowing service	Government entities
090	International long-distance service via operator	Telecommunication service providers
091-099	Available	

The single number used throughout the country for emergency services comprises three digits and takes the following form: 911 (nine, one, one).

Special service codes should be available for dialling from any national line. To that end, all Providers must follow up the changes in the corresponding routing matrices and update their systems accordingly in order to ensure access and correct routing for calls made to the special service numbers.

Providers must provide free and unrestricted access to the following services, including for, but not limited to, telephones of users without credit or with restricted service and public telephones: receipt and processing of complaints (050), generation of PINs (051), federal public security services (088), whistle-blowing service (089), single emergency service number (911).

Dialling procedure for international long-distance services

Access prefix for international long-distance service

The access prefix for the international long-distance service to be used by all Providers is as follows:

Prefix	Purpose
00	Automatic international long-distance call

Dialling procedures for outgoing international calls

The dialling procedures for calls to international users' numbers and non-geographic numbers of other countries are as follows:

International long-distance calls
00 + International number

Calls to international non-geographic numbers
00 + International non-geographic number

The international non-geographic number includes the country code. International non-geographic number services may be restricted by international agreements between operators.

Telecommunication service provider identification codes

Providers must have the necessary identification codes for performing billing, call routing and portability functions. To that end, the Institute shall assign to each Provider the identification code required for its activities, except for the code 000, which will be held in reserve.

Originating network identification code (IDO)

Public telecommunication networks originating traffic must have an IDO code so that there is sufficient information in the signalling exchanged regarding to whom the traffic's interconnection charges should be billed.

The IDO code comprises 3 digits and takes the following form:

Originating network identification code
IDO (3 digits)

Where:

I = 0, 1, 2, ..., 9

D = 0, 1, 2, ..., 9

O = 0, 1, 2, ..., 9

Destination network identification code (IDD)

Public telecommunication networks carrying out traffic termination activities must have an IDD code so that there is sufficient information in the signalling exchanged for the user's destination network to be identified in order to ensure delivery.

The IDD code comprises 3 digits and takes the following form:

Destination network identification code
IDD (3 digits)

Where:

I = 0, 1, 2, ..., 9

D = 0, 1, 2, ..., 9

D = 0, 1, 2, ..., 9

Administrative identification code (IDA)

Companies must have an IDA code in order to be identified as a Provider with numbering assigned by the Institute or provided by another licensee and used under any commercial agreement.

The IDA code comprises 3 digits and takes the following form:

Administrative identification code
IDA (3 digits)

Where:

I = 0, 1, 2, ..., 9

D = 0, 1, 2, ..., 9

A = 0, 1, 2, ..., 9

No IDA code used by a company may be the same as an IDO/IDD code assigned to a licensee.

Mobile network codes

IMSI structure

The International Mobile Subscription Identity (IMSI) serves to identify a single subscription. It comprises 15 digits, grouped into three fields, and takes the following form.

Mobile Country Code (MCC) 3 digits	Mobile Network Code (MNC) 3 digits	Mobile Subscription Identification Number (MSIN) 9 digits
_____ MSI _____		

Where:

The **MCC** is the first three digits of the IMSI and represents the **mobile country code**. The MCC assigned to Mexico by ITU is 334.

The **MNC** is the next three digits of the IMSI and represents the **mobile network code**. It is administered by the Institute and assigned to mobile service providers.

The MSIN makes up the last nine digits of the IMSI and represents the **mobile subscription identification number**. The MSIN is administered directly by the mobile providers that have an MNC assigned by the Institute.

Providers requiring IMSI resources must apply to the Institute for the assignment of an MNC allowing them to clearly identify the mobile network in such a way that they can administer the MSINs of the entire IMSI block.

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Changes in Administrations/ROAs and other entities or Organizations

Sudan

Communication of 13.VI.2018:

Change of name

The *National Telecommunications Corporation (NTC)*, Khartoum, announces that it has changed its name. It is now called: « *Telecommunications and Post Regulatory Authority* ».

Telecommunications and Post Regulatory Authority

NTC Tower - Buri - North to Manshya Bridge

P.O. Box 2869

KHARTOUM 11111

Sudan

Tel: +249 187171110

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Service Restrictions

See URL: www.itu.int/pub/T-SP-SR.1-2012

<i>Country/geographical area</i>	<i>OB</i>
Seychelles	1006 (p.13)
Slovakia	1007 (p.12)
Malaysia	1013 (p.5)
Thailand	1034 (p.5)
São Tomé and Príncipe	1039 (p.14)
Uruguay	1039 (p.14)
Hong Kong, China	1068 (p.4)
Ukraine	1148 (p.5)

Call – Back and alternative calling procedures (Res. 21 Rev. PP – 2006)

See URL: www.itu.int/pub/T-SP-PP.RES.21-2011/

AMENDMENTS TO SERVICE PUBLICATIONS

Abbreviations used

ADD	Insert	PAR	paragraph
COL	Column	REP	replace
LIR	Read	SUP	Delete
P	page(s)		

List of Ship Stations and Maritime Mobile Service Identity Assignments (List V) Edition of 2018

Section VI

REP

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President: Mr Yuzuru Takayama
E-Mail: maritime@kyoritsuradio.com, Tel: +81 3 4531 2330,
Fax: +81 3 4531 2345

**List of Issuer Identifier Numbers for
the International Telecommunication Charge Card
(in accordance with ITU-T Recommendation E.118 (05/2006))
(Position on 15 November 2015)**

(Annex to ITU Operational Bulletin No. 1088 – 15.XI.2015)
(Amendment No. 43)

Estonia LIR

<i>Country/ geographical area</i>	<i>Company Name/Address</i>	<i>Issuer Identifier Number</i>	<i>Contact</i>
Estonia	Telia Eesti AS Mustamäe tee 3 15033 TALLINN	89 372 01	Mr Dan Olov Strömberg Mustamäe tee 3 15033 TALLINN Tel: +372 639 7130 Fax: +372 640 2551 E-mail: info@telia.ee
Estonia	Elisa Eesti AS Sõpruse pst 145 13417 TALLINN	89 372 02	Mr Sami Jussi Petteri Seppänen Sõpruse pst 145 13417 TALLINN Tel: +372 681 1963 Fax: +372 681 1968 E-mail: elisa@elisa.ee
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Luxembourg LIR

<i>Country/ geographical area</i>	<i>Company Name/Address</i>	<i>Issuer Identifier Number</i>	<i>Contact</i>
Luxembourg	POST Luxembourg 20, rue de Reims L-2417 LUXEMBOURG	89 352 00	Mr Gaston Bohnenberger POST Technologies 2, rue Emile Bian L-2999 LUXEMBOURG Tel: +352 4991 5740 Fax: +352 480448 E-mail: gaston.bohnenberger@post.lu
Luxembourg	POST Luxembourg 20, rue de Reims L-2417 LUXEMBOURG	89 352 01	Mr Gaston Bohnenberger POST Technologies 2, rue Emile Bian L-2999 LUXEMBOURG Tel: +352 4991 5740 Fax: +352 480448 E-mail: gaston.bohnenberger@post.lu

Suriname SUP

<i>Country/ geographical area</i>	<i>Company Name/Address</i>	<i>Issuer Identifier Number</i>	<i>Contact</i>	<i>Effective date of cancellation</i>
Suriname	International Communication Management & Services Ltd. Brokopondolaan No. 9 PO Box 12667 PARAMARIBO	89 597 01	Ms Susan Patterson Brokopondolaan No. 9 PO Box 12667 PARAMARIBO Tel: +597 490271 Fax: +597 433350 E-mail: cins@ce-link.sr	6.II.2018

United States ADD

<i>Country/ geographical area</i>	<i>Company Name/Address</i>	<i>Issuer Identifier Number</i>	<i>Contact</i>	<i>Effective date of usage</i>
United States	Tampnet INC 309 Apollo Road SCOTT, LA 70583	89 1 170	Oyvind Skjervik Tampnet AS Hinna Park Stadionblokk C Jåttåvågveien 7 4020 STAVANGER Norway Tel.: +47 400 60 725 E-mail: os@tampnet.com	15.VI.2018

**List of Recommendation ITU-T E.164 assigned Country Codes
(Complement to Recommendation ITU-T E.164 (11/2010))
(Position on 15 December 2016)**

(Annex to ITU Operational Bulletin No. 1114 – 15.XII.2016)
(Amendment No. 6)

Notes common to Numerical and Alphabetical lists of Recommendation ITU-T E.164 assigned country codes

P 18 Note p) +883 110 LIR

<i>Applicant</i>	<i>Network</i>	<i>Country Code and Identification Code</i>	<i>Status</i>
Syniverse Technologies, LLC	Syniverse Technologies, LLC	+883 110	Assigned

**Mobile Network Codes (MNC) for the international identification plan
for public networks and subscriptions
(According to Recommendation ITU-T E.212 (09/2016))
(Position on 1st November 2016)**

(Annex to ITU Operational Bulletin No. 1111 – 1.XI.2016)
(Amendment No.39)

<i>Country/Geographical area</i>	<i>MCC+MNC *</i>	<i>Operator/Network</i>
Spain ADD		
	214 37	VODAFONE ESPAÑA, S.A.U.

* MCC: Mobile Country Code / Indicatif de pays du mobile / Indicativo de país para el servicio móvil
MNC: Mobile Network Code / Code de réseau mobile / Indicativo de red para el servicio móvil

List of International Signalling Point Codes (ISPC) (According to Recommendation ITU-T Q.708 (03/1999)) (Position on 1 October 2016)

(Annex to ITU Operational Bulletin No. 1109 – 1.X.2016)
(Amendment No. 39)

<i>Country/ Geographical Area</i>		<i>Unique name of the signalling point</i>	<i>Name of the signalling point operator</i>
<i>ISPC</i>	<i>DEC</i>		
Panama	SUP		
7-026-1	14545	Digicel MG INT	Digicel Panamá S.A.
7-026-2	14546	Digicel MG INT	Digicel Panamá S.A.
7-027-0	14552	Digicel MG INT	Digicel Panamá S.A.
Spain	SUP		
2-239-5	6013	Madrid	Teleconnect Comunicaciones, S.A.

ISPC: International Signalling Point Codes.
Codes de points sémaphores internationaux (CPSI).
Códigos de puntos de señalización internacional (CPSI).

National Numbering Plan (According to Recommendation ITU-T E.129 (01/2013))

Web: www.itu.int/itu-t/inr/nnp/index.html

Administrations are requested to notify ITU about their national numbering plan changes, or to give an explanation on their webpage concerning the national numbering plan as well as their contact points, so that the information, which will be made available freely to all administrations/ROAs and service providers, can be posted on the ITU-T website.

For their numbering website, or when sending their information to ITU/TSB (e-mail: tsbtson@itu.int), administrations are kindly requested to use the format as explained in Recommendation ITU-T E.129. They are reminded that they will be responsible for the timely update of this information.

From 1.VI.2018, the following countries/geographical areas have updated their national numbering plan on our site:

<i>Country/ Geographical area</i>	<i>Country Code (CC)</i>
Myanmar	+95