

# ITU Operational Bulletin

[www.itu.int/itu-t/bulletin](http://www.itu.int/itu-t/bulletin)

No. **1183**

1.XI.2019

(Information received by 15 October 2019) ISSN 1564-5223 (Online)

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<i>Dates of publication of the next Operational Bulletins</i>		<i>Including information received by:</i>
1184	15.XI.2019	1.XI.2019
1185	1.XII.2019	15.XI.2019
1186	15.XII.2019	2.XII.2019

# 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.

- 1162 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 15 December 2018)
- 1161 List of Issuer Identifier Numbers for the International Telecommunication Charge Card (In accordance with Recommendation ITU-T E.118 (05/2006)) (Position on 1 December 2018)
- 1154 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 15 August 2018)
- 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)
- 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
- 1060 List of ITU Carrier Codes (According to ITU-T Recommendation M.1400 (03/2013)) (Position on 15 September 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)) (Position on 1 April 2011)
- 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)) | <a href="http://www.itu.int/ITU-T/inr/icc/index.html">www.itu.int/ITU-T/inr/icc/index.html</a>             |
| Bureaufax Table (ITU-T Rec. F.170)                      | <a href="http://www.itu.int/ITU-T/inr/bureaufax/index.html">www.itu.int/ITU-T/inr/bureaufax/index.html</a> |
| List of recognized operating agencies (ROAs)            | <a href="http://www.itu.int/ITU-T/inr/roa/index.html">www.itu.int/ITU-T/inr/roa/index.html</a>             |

## Approval of ITU-T Recommendations

By AAP-68, 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 G.1033 (10/2019): QoS and QoE aspects of digital financial services
- ITU-T J.1600 (10/2019): Premium Cable Network Platform (PCNP) - Framework
- ITU-T X.500 (10/2019): Information technology – Open Systems Interconnection – The Directory: Overview of concepts, models and services
- ITU-T X.501 (10/2019): Information technology – Open Systems Interconnection – The Directory: Models
- ITU-T X.509 (10/2019): Information technology – Open Systems Interconnection – The Directory: Public-key and attribute certificate frameworks
- ITU-T X.511 (10/2019): Information technology – Open Systems Interconnection – The Directory: Abstract service definition
- ITU-T X.518 (10/2019): Information technology – Open Systems Interconnection – The Directory: Procedures for distributed operation
- ITU-T X.519 (10/2019): Information technology – Open Systems Interconnection – The Directory: Protocol specifications
- ITU-T X.520 (10/2019): Information technology – Open Systems Interconnection – The Directory: Selected attribute types
- ITU-T X.521 (10/2019): Information technology – Open Systems Interconnection – The Directory: Selected object classes
- ITU-T X.525 (10/2019): Information technology – Open Systems Interconnection – The Directory: Replication
- ITU-T X.694 (2015) Cor. 1 (10/2019)
- ITU-T X.893 (2007) Cor. 1 (10/2019)
- ITU-T Z.100 (10/2019): Specification and Description Language - Overview of SDL-2010
- ITU-T Z.100 Annex F1 (10/2019): Specification and Description Language - Overview of SDL-2010 - SDL formal definition: General overview
- ITU-T Z.100 Annex F2 (10/2019): Specification and Description Language - Overview of SDL-2010 - SDL formal definition: Static semantics
- ITU-T Z.100 Annex F3 (10/2019): Specification and Description Language - Overview of SDL-2010 - SDL formal definition: Dynamic semantics
- ITU-T Z.101 (10/2019): Specification and Description Language - Basic SDL-2010
- ITU-T Z.102 (10/2019): Specification and Description Language - Comprehensive SDL-2010
- ITU-T Z.103 (10/2019): Specification and Description Language - Shorthand notation and annotation in SDL-2010
- ITU-T Z.104 (10/2019): Specification and Description Language - Data and action language in SDL-2010
- ITU-T Z.105 (10/2019): Specification and Description Language - SDL-2010 combined with ASN.1 modules
- ITU-T Z.106 (10/2019): Specification and Description Language - Common interchange format for SDL-2010
- ITU-T Z.107 (10/2019): Specification and Description Language - Object-oriented data in SDL-2010
- ITU-T Z.161 (10/2019): Testing and Test Control Notation version 3: TTCN-3 core language
- ITU-T Z.161.2 (10/2019): Testing and Test Control Notation version 3: TTCN-3 language extensions: Configuration and deployment support
- ITU-T Z.161.6 (10/2019): Testing and Test Control Notation version 3: TTCN-3 language extensions: Advanced matching
- ITU-T Z.161.7 (10/2019): Testing and Test Control Notation version 3: TTCN-3 Language Extensions: Object-Oriented Features
- ITU-T Z.166 (10/2019): Testing and Test Control Notation version 3: TTCN-3 control interface (TCI)
- ITU-T Z.169 (10/2019): Testing and Test Control Notation version 3: Using XML schema with TTCN-3

## Telephone Service (Recommendation ITU-T E.164)

url: [www.itu.int/itu-t/inr/nnp](http://www.itu.int/itu-t/inr/nnp)

### Denmark (country code +45)

Communication of 8.X.2019:

The *Danish Energy Agency*, Copenhagen, announces the following updates to the national numbering plan of Denmark:

- Withdrawal – Mobile communication services

<i>Provider</i>	<i>Numbering series</i>	<i>Date of withdrawal</i>
Maxtel.dk ApS	91300fgh and 91303fgh	5.VIII.2019

- Assignment – M2M Communication

<i>Provider</i>	<i>Numbering series</i>	<i>Date of assignment</i>
Firmafon ApS	37100150ijkl and 37100160ijkl	20.IX.2019

- Assignment – Mobile Communication services

<i>Provider</i>	<i>Numbering series</i>	<i>Date of assignment</i>
lpnordic A/S	91302fgh	20.IX.2019

- Assignment – Fixed communication services

<i>Provider</i>	<i>Numbering series</i>	<i>Date of assignment</i>
Maxtel.dk ApS	62600fgh, 43400fgh and 70171fgh	20.IX.2019

- Assignment – Fixed communication services

<i>Provider</i>	<i>Numbering series</i>	<i>Date of assignment</i>
Gotanet AB	36877fgh	1.X.2019

- Assignment – Freephone numbers

<i>Provider</i>	<i>Numbering series</i>	<i>Date of assignment</i>
Gotanet AB	80107fgh	1.X.2019

- Assignment – Mobile Communication services

<i>Provider</i>	<i>Numbering series</i>	<i>Date of assignment</i>
Gotanet AB	81377fgh	1.X.2019

- Assignment – Premium rate

<i>Provider</i>	<i>Numbering series</i>	<i>Date of assignment</i>
Gotanet AB	901017gh	1.X.2019

- Assignment – M2M Communication

<i>Provider</i>	<i>Numbering series</i>	<i>Date of assignment</i>
Gotanet AB	37100371ijkl	1.X.2019

Contact:

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 Denmark  
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 E-mail: ens@ens.dk  
 URL: www.ens.dk

### Ghana (country code +233)

Communication of 11.IX.2019:

The *National Communications Authority (NCA)*, Accra, announces the assignment of new numbering block to an existing operator, Scancom PLC (MTN Ghana).

a) Overview:

The minimum number length (excluding the country code) is: 9 digits.

The maximum number length (excluding the country code) is: 9 digits.

b) Detail of numbering plan:

<i>NDC (National Destination Code) or leading digits of N(S)N (National (Significant) Number)</i>	<i>N(S)N number length</i>		<i>Usage of E.164 Number</i>	<i>Additional information</i>
	<i>Maximum length</i>	<i>Minimum length</i>		
59Y (NDC) Y = 1, 2, 3, 4, 5 & 6 (59 1XX XXXX) (59 2XX XXXX) (59 3XX XXXX) (59 4XX XXXX) (59 5XX XXXX) (59 6XX XXXX)	9	9	Non-geographic for mobile services	Scancom PLC (MTN Ghana)

Contact:

National Communications Authority (NCA)  
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 URL: www.nca.org.gh

## Gibraltar (country code +350)

Communication of 7.X.2019:

The *Gibraltar Regulatory Authority*, announces the following national numbering plan for Gibraltar.

### Presentation of national ITU-T E.164 numbering plan for country code 350

- a) Overview:  
The minimum number length (excluding the country code) is 8 digits.  
The maximum number length (excluding the country code) is 8 digits.
- b) Link to the national database (or any applicable list) with assigned ITU-T E.164 numbers within the national numbering plan (if any):  
<https://www.gra.gi/communications/numbering-plan>
- c) Link to the real-time database reflecting ported ITU-T E.164 numbers (if any):
- d) Detail of numbering plan:

NDC (national destination code) or leading digits of N(S)N (national (significant) number)	N(S)N number length		Usage of E.164 number	Additional information
	Maximum length	Minimum length		
200	8	8	Geographic numbers for Fixed telephony services	Assigned to Gibtelecom
216	8	8	Geographic numbers for Fixed telephony services	Reserved. No further numbers to be allocated in this range
222	8	8	Geographic numbers for Fixed telephony services	Assigned to u-mee
225	8	8	Geographic numbers for Fixed telephony services	Assigned to GibFibreSpeed
50	8	8	Mobile services	Reserved for mobile services
51	8	8	Mobile services	Assigned to GibFibreSpeed
52	8	8	Mobile services	Reserved for mobile services
53	8	8	Mobile services	Reserved for mobile services
54	8	8	Mobile services	Assigned to Gibtelecom
55	8	8	Mobile services	Reserved for mobile services
56	8	8	Mobile services	Assigned to Gibtelecom
57	8	8	Mobile services	Assigned to Gibtelecom
58	8	8	Mobile services	Assigned to Gibtelecom
59	8	8	Mobile services	Reserved for mobile services
62	8	8	Mobile services	To be withdrawn on 13 <sup>th</sup> March 2020

Contact:

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E-mail: communications@gra.gi  
URL: www.gra.gi

## Service Restrictions

See URL: [www.itu.int/pub/T-SP-SR.1-2012](http://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/](http://www.itu.int/pub/T-SP-PP.RES.21-2011/)



# AMENDMENTS TO SERVICE PUBLICATIONS

Abbreviations used

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

## 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 15 December 2018)

(Annex to ITU Operational Bulletin No. 1162 – 15.XII.2018)  
(Amendment No. 19)

<i>Country/Geographical area</i>	<i>MCC+MNC *</i>	<i>Operator/Network</i>
<b>Cayman Islands ADD</b>		
	346 001	WestTel Ltd., trading as Logic
<b>Denmark ADD</b>		
	238 17	Gotanet AB
<b>Spain ADD</b>		
	214 36	ALAI OPERADOR DE TELECOMUNICACIONES, S.L.
<b>Uruguay SUP</b>		
	748 00	Ancel - TDMA
	748 03	Ancel
<b>Uruguay LIR</b>		
	748 01	Administración Nacional de Telecomunicaciones (ANTEL)
	748 07	Telefónica Móviles del Uruguay S.A. (Movistar)
	748 10	AM Wireless Uruguay S.A. (Claro)

\* 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 ITU Carrier Codes**  
**(According to Recommendation ITU-T M.1400 (03/2013))**  
**(Position on 15 September 2014)**

(Annex to ITU Operational Bulletin No. 1060 – 15.IX.2014)  
(Amendment No. 87)

<i>Country or area/ISO code Company Name/Address</i>	<i>Company Code (carrier code)</i>	<i>Contact</i>
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**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. 63)

<i>Country/ Geographical Area</i>	<i>Unique name of the signalling point</i>	<i>Name of the signalling point operator</i>
<i>ISPC      DEC</i>		
<b>Bosnia and Herzegovina    ADD</b>		
2-218-4    5844    Mostar		JP Hrvatske telekomunikacije d.d. Mostar

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](http://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](mailto: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.X.2019, the following countries/geographical areas have updated their national numbering plan on our site:

<i>Country/ Geographical area</i>	<i>Country Code (CC)</i>
Kyrgyzstan	+996
Latvia	+371