

# 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.

- 1199 List of International Signalling Point Codes (ISPC) (According to Recommendation ITU-T Q.708 (03/1999)) (Position on 1 July 2020)
- 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 (03/1999)) (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)
- 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 Rev. PP-06)
- 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 (03/1998)) (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)	<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-98, 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 M.3080 (02/2021): Framework of AI enhanced Telecom Operation and Management (AITOM)
- ITU-T P.57 (02/2021): Artificial ears
- ITU-T P.58 (02/2021): Head and torso simulator for telephonometry
- ITU-T X.680 (02/2021): Information technology - Abstract Syntax Notation One (ASN.1): Specification of basic notation
- ITU-T X.681 (02/2021): Information technology - Abstract Syntax Notation One (ASN.1): Information object specification
- ITU-T X.682 (02/2021): Information technology - Abstract Syntax Notation One (ASN.1): Constraint specification
- ITU-T X.683 (02/2021): Information technology - Abstract Syntax Notation One (ASN.1): Parameterization of ASN.1 specifications
- ITU-T X.690 (02/2021): Information technology - ASN.1 encoding rules: Specification of Basic Encoding Rules (BER), Canonical Encoding Rules (CER) and Distinguished Encoding Rules (DER)
- ITU-T X.691 (02/2021): Information technology - ASN.1 encoding rules: Specification of Packed Encoding Rules (PER)
- ITU-T X.692 (02/2021): Information technology - ASN.1 encoding rules: Specification of Encoding Control Notation (ECN)
- ITU-T X.693 (02/2021): Information technology - ASN.1 encoding rules: XML Encoding Rules (XER)
- ITU-T X.694 (02/2021): Information technology - ASN.1 encoding rules: Mapping W3C XML schema definitions into ASN.1
- ITU-T X.695 (02/2021): Information technology - ASN.1 encoding rules: Registration and application of PER encoding instructions
- ITU-T X.696 (02/2021): Information technology - ASN.1 encoding rules: Specification of Octet Encoding Rules (OER)
- ITU-T X.697 (02/2021): Information technology - ASN.1 encoding rules: Specification of JavaScript Object Notation Encoding Rules (JER)
- ITU-T X.894 (2018) Cor. 2 (02/2021): Generic applications of ASN.1 Cryptographic Message Syntax Technical Corrigendum 2
- ITU-T Y.3056 (02/2021): Framework for bootstrapping of devices and applications for open access to trusted services in distributed ecosystems
- ITU-T Y.3113 (02/2021): Requirements and framework for latency guarantee in large scale networks including IMT-2020 network
- ITU-T Y.3135 (02/2021): Service scheduling for supporting FMC in IMT-2020 network
- ITU-T Y.3157 (02/2021): IMT-2020 network slice configuration
- ITU-T Y.3177 (02/2021): Architectural framework of artificial intelligence-based network automation for resource and fault management in future networks including IMT-2020
- ITU-T Y.4476 (02/2021): OID-based resolution framework for transaction of distributed ledger assigned to IoT resources

## The International Public Telecommunication Numbering Plan (Recommendation ITU-T E.164 (11/2010))

### Note from TSB

#### *Identification codes for international networks*

Associated with shared country code 883 for international networks, the following three-digit identification codes have been **assigned**.

<i>Applicant</i>	<i>Network</i>	<i>Country Code and Identification Code</i>	<i>Date of assignment</i>
Afinna One Srl	Afinna One Srl	+883 350	5.II.2021

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

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

### Sierra Leone (country code +232)

Communication of 11.II.2021:

The *National Telecommunications Commission (NATCOM)*, Freetown, announces the following update to the national numbering plan of Sierra Leone:

#### Presentation of national ITU-T E.164 numbering plan for country code 232:

- 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): n/a
- c) Link to the real-time database reflecting ported ITU-T E.164 numbers (if any): n/a

#### Description of introduction of new resources for national E.164 numbering plan for country code 232:

<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 ITU-T E.164 number</i>	<i>Additional information</i>
	<i>Maximum length</i>	<i>Minimum length</i>		
32	6 excluding NDC	6 excluding NDC	Non-geographic number for Qcell Sierra Leone	Addition NDC for Qcell Sierra Leone
73	6 excluding NDC	6 excluding NDC	Non-geographic number for Orange Sierra Leone	Addition NDC for Orange Sierra Leone

### Additional dialling information:

Local: 032 XXX XXX for QCELL SL and 073 XXX XXX for ORANGE SL

International: +232 32 XXX XXX

+232 73 XXX XXX

where XXX XXX is the subscriber number.

Contact:

Mr Abdul Bah  
National Telecommunications Commission (NATCOM)  
13 Regent Road  
Hill Station, FREETOWN  
Sierra Leone  
Tel: +232 88 600 003 or +232 78 333 444  
E-mail: abah@natcom.gov.sl  
URL: www.natcom.gov.sl

## Other communication

### Austria

Communication of 4.II.2021:

On the occasion of the "FT8DMC Activity Days 2021", the Austrian Administration authorizes an Austrian amateur station to use the special call sign **OE21FTDMC** from 2 to 15 August 2021.

## 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-06)

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)		

## 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)

(Annex to ITU Operational Bulletin No. 1161 – 1.XII.2018)  
(Amendment No. 44)

### France 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>
France	<b>AIRMOB INFRA FULL</b> 29 Rue Pierre Paul Riquet 31000 TOULOUSE	<b>89 33 28</b>	Arnaud Lecoeur 29 Rue Pierre Paul Riquet 31000 TOULOUSE E-mail : itu@aif-telecom.com	1.II.2021

### United Kingdom 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 Kingdom	<b>Podsystem Ltd.</b> WhiteLeaf Business Center, Little Balmer, Buckingham Industrial Park BU-MK18 1TF BUCKINGHAM	<b>89 883 08</b>	Pod Group Operations team WhiteLeaf Business Center, Little Balmer, Buckingham Industrial Park BU-MK18 1TF BUCKINGHAM Tel: +44 1223 850900 E-mail: sales@podgroup.com	5.II.2021



## 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. 19)

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

- p Associated with shared country code 883, the following three-digit identification code reservations or assignments have been made for the international networks of:

**Note p) +883 350 ADD\***

<i>Applicant</i>	<i>Network</i>	<i>Country Code and Identification Code</i>	<i>Status</i>
Afinna One Srl	Afinna One Srl	+883 350	Assigned

\* 5.II.2021

See page 5 of the present Operational Bulletin No. 1215 of 1.III.2021.

## 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. 49)

<i>Country/Geographical area</i>	<i>MCC+MNC *</i>	<i>Operator/Network</i>
Australia ADD		
	505 51	Fortescue Metals Group Ltd

- \* 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. 110)

<i>Country or area/ISO code Company Name/Address</i>	<i>Company Code (carrier code)</i>	<i>Contact</i>
<b>Germany (Federal Republic of) / DEU</b>	<b>LIR</b>	
purtel.com GmbH Clarita-Bernhard-Strasse 25 D-81249 MUNICH	<b>PURTEL</b>	Mr Zeljko Bilbija Tel.: +49 89 2000 77130 Fax: +49 89 2000 77131 Email: support@purtel.com
<b>Germany (Federal Republic of) / DEU</b>	<b>ADD</b>	
D-Connect GmbH Humboldtstrasse 18 D-95168 MARKTLEUTHEN	<b>DCONN</b>	Mr Patrick Fritsch Tel.: +49 9285 47299 70 Fax: +49 9285 47299 79 Email: abw@dconnect.de

**List of International Signalling Point Codes (ISPC)**  
**(According to Recommendation ITU-T Q.708 (03/1999))**  
**(Position on 1 July 2020)**

(Annex to ITU Operational Bulletin No. 1199 – 1.VII.2020)  
(Amendment No. 10)

*Country/ Geographical Area*

<i>ISPC</i>	<i>DEC</i>	<i>Unique name of the signalling point</i>	<i>Name of the signalling point operator</i>
<b>Panama SUP</b>			
7-026-3	14547	NetUno INT	Telecomunicaciones NetUno de Panama SA
7-028-4	14564	BSC	Telefónica Móviles de Panamá
7-031-0	14584	BTPTY1	Telecomunicaciones NetUno de Panama SA
7-031-3	14587	PANSL 2M	Telefónica Móviles de Panamá
7-031-4	14588	PANSL 1P	Telefónica Móviles de Panamá
<b>Panama LIR</b>			
7-026-7	14551	PANSL4M	GRUPO DE COMUNICACIONES DIGITALES, S.A.
7-029-6	14574	DAVTE1P	GRUPO DE COMUNICACIONES DIGITALES, S.A.
7-030-3	14579	PANSL2P	GRUPO DE COMUNICACIONES DIGITALES, S.A.
7-030-5	14581	PANSL4M_SPX1	GRUPO DE COMUNICACIONES DIGITALES, S.A.
7-030-6	14582	PANSL4M_SPX2	GRUPO DE COMUNICACIONES DIGITALES, S.A.
7-031-6	14590	MGW PANSL3G	GRUPO DE COMUNICACIONES DIGITALES, S.A.
<b>Sweden SUP</b>			
2-082-1	4753	IQVM4 (Stockholm)	Tele2 Sverige AB
2-193-4	5644	VTP (Stockholm)	Tele2 Sverige AB
2-193-5	5645	SAV (Göteborg)	Tele2 Sverige AB
2-195-7	5663	MSC1 (Stockholm)	Tele2 Sverige AB
<b>Sweden LIR</b>			
2-080-2	4738	STP-1	Tele2 Sverige AB
2-080-3	4739	STP-2	Tele2 Sverige AB
2-083-0	4760	JFA_STP	Tele2 Sverige AB
2-083-1	4761	MPLO_STP	Tele2 Sverige AB

## **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.II.2021, the following countries/geographical areas have updated their national numbering plan on our site:

<i>Country/ Geographical area</i>	<i>Country Code (CC)</i>
Lebanon	+961
Togo	+228