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1199	1.VII.2020	15.VI.2020
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1205	1.X.2020	15.IX.2020
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1207	1.XI.2020	15.X.2020
1208	15.XI.2020	30.X.2020
1209	1.XII.2020	16.XI.2020
1210	15.XII.2020	1.XII.2020
1211	1.I.2021	11.XII.2020

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 (03/1999)) (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)
- 1109 List of International Signalling Point Codes (ISPC) (According to Recommendation ITU-T Q.708 (03/1999)) (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 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) | 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

- A. By AAP-82, 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.812 (05/2020): Crowdsourcing approach for the assessment of end-to-end QoS in fixed and mobile broadband networks
 - ITU-T G.1035 (05/2020): Influencing factors on quality of experience (QoE) for virtual reality (VR) services
 - ITU-T G.8300 (05/2020): Characteristics of transport networks to support IMT-2020/5G
 - ITU-T J.1 (05/2020): Terms, definitions and acronyms for television and sound transmission and integrated broadband cable networks
 - ITU-T J.216 (05/2020): Second-generation modular headend architecture in systems for interactive cable television services - IP cable modems
 - ITU-T J.224 (05/2020): Fifth-generation transmission systems for interactive cable television services - IP cable modems
 - ITU-T J.225 (05/2020): Fourth-generation transmission systems for interactive cable television services - IP cable modems
 - ITU-T J.299 (05/2020): Functional Requirements for remote management of cable STB by Auto Configuration Server (ACS)
 - ITU-T J.1031 (05/2020): Downloadable Conditional Access System for Bidirectional Network; Requirements
 - ITU-T J.1203 (05/2020): The specification of a smart TV operating system
 - ITU-T J.1211 (05/2020): Specifications of IP Video Broadcast (IPVB) for CATV Networks
 - ITU-T P.501 (05/2020): Test signals for use in telephony and other speech-based applications
 - ITU-T P.1203.3 (2019) Amd. 1 (05/2020): Adjustment of the audiovisual quality
- B. By TSB Circular 248 of 19 May 2020, it was announced that the following ITU-T Recommendations were approved, in accordance with the procedures outlined in Resolution 1:
- ITU-T J.1012 (04/2020): Embedded Common Interface (ECI) for exchangeable CA/DRM solutions; CA/DRM container, loader, interfaces, revocation
 - ITU-T J.1013 (04/2020): Embedded Common Interface (ECI) for exchangeable CA/DRM solutions; The virtual machine
 - ITU-T J.1014 (04/2020): Embedded Common Interface (ECI) for exchangeable CA/DRM solutions; Advanced Security – ECI-specific functionalities
 - ITU-T J.1015 (04/2020): Embedded Common Interface (ECI) for exchangeable CA/DRM solutions; The advanced security system - Key ladder block
 - ITU-T J.1015.1 (04/2020): Embedded Common Interface (ECI) for exchangeable CA/DRM solutions; The advanced security system - Key ladder block: Authentication of control word-usage rules information and associated data 1

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>
Tele2 IoT	Tele2 IoT	+883 320	1.VI.2020
Cubic Telecom Limited	Cubic Telecom Limited	+883 330	1.VI.2020

International Identification Plan for Public Networks and Subscriptions (Recommendation ITU-T E.212 (09/2016))

Note from TSB

Identification codes for International Mobile Networks

Associated with shared mobile country code 901 (MCC), the following two-digit mobile network codes (MNC) have been assigned.

<i>Network</i>	<i>Mobile Country Code (MCC) and Mobile Network Code (MNC)</i>	<i>Date of assignment</i>
Tele2 IoT	901 72	1.VI.2020
Cubic Telecom Limited	901 73	1.VI.2020

Associated with shared mobile country code 901 (MCC), the following two-digit mobile network code (MNC) has been transferred.

<i>Network</i>	<i>Mobile Country Code (MCC) and Mobile Network Code (MNC)</i>	<i>Date of transfer</i>
Vodafone Malta (Monaco Telecom)	901 19	1.VI.2020

Telephone Service (Recommendation ITU-T E.164)

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

Denmark (country code +45)

Communication of 26.V.2020:

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

- Assignment – M2M communication

<i>Provider</i>	<i>Numbering series</i>	<i>Date of assignment</i>
NextM2M A/S	37100220ijkl, 37100221ijkl, 37100222ijkl, 37100223ijkl, 37100224ijkl, 37100225ijkl, 37100226ijkl, 37100227ijkl, 37100228ijkl and 37100229ijkl	1.VI.2020

- Assignment – Mobile communication services

<i>Provider</i>	<i>Numbering series</i>	<i>Date of assignment</i>
XPLORA Mobile Denmark ApS	61495fgh, 61496fgh, 61498fgh, 61499fgh and 91307fgh	1.VIII.2020

Contact:

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Fax: +45 33 11 47 43
E-mail: ens@ens.dk
URL: www.ens.dk

Niger (country code +227)

Communication of 27.V.2020:

The *Autorité de Régulation des Communications Électroniques et de la Poste*, Niamey, announces the following update to the national numbering plan for Niger.

Mobile-network services

National destination code (NDC) or first digits of national (significant) number (N(S)N)	N(S)N number length		Usage of ITU-T E.164 number	Additional information	Date and time of introduction
	Maximum length	Minimum length			
74	8	8	Non-geographic numbers – mobile telephone service	ATLANTIQUE TELECOMS NIGER	17/04/2019
84	8	8	Non-geographic numbers – mobile telephone service		14/11/2016
85	8	8	Non-geographic numbers – mobile telephone service		26/05/2017
94	8	8	Non-geographic numbers – mobile telephone service		15/05/2008
95	8	8	Non-geographic numbers – mobile telephone service		25/05/2015
86	8	8	Non-geographic numbers – mobile telephone service	CELTEL NIGER SA	30/05/2020
87	8	8	Non-geographic numbers – mobile telephone service		17/01/2020
88	8	8	Non-geographic numbers – mobile telephone service		08/09/2014
89	8	8	Non-geographic numbers – mobile telephone service		29/08/2013
96	8	8	Non-geographic numbers – mobile telephone service		28/04/2008
97	8	8	Non-geographic numbers – mobile telephone service		17/07/2009
98	8	8	Non-geographic numbers – mobile telephone service		03/03/2011
99	8	8	Non-geographic numbers – mobile telephone service		29/03/2012
83	8	8	Non-geographic numbers – mobile telephone service	NIGER TELECOMS SA	30/08/2018
93	8	8	Non-geographic numbers – mobile telephone service		30/06/2006
70	8	8	Non-geographic numbers – mobile telephone service	ORANGE NIGER SA	30/05/2020
80	8	8	Non-geographic numbers – mobile telephone service		24/09/2014
81	8	8	Non-geographic numbers – mobile telephone service		18/01/2019
82	8	8	Non-geographic numbers – mobile telephone service		30/05/2020
90	8	8	Non-geographic numbers – mobile telephone service		17/12/2009
91	8	8	Non-geographic numbers – mobile telephone service		21/05/2010
92	8	8	Non-geographic numbers – mobile telephone service		15/06/2011

Fixed-network services

National destination code (NDC) or first digits of national (significant) number (N(S)N)	N(S)N number length		Usage of ITU-T E.164 number	Additional information	Date and time of introduction
	Maximum length	Minimum length			
20	8	8	Wireline numbers	NIGER TELECOMS SA	30/06/2006
21	8	8	Wireless local loop	NIGER TELECOMS SA	30/06/2006
23	8	8	Wireless local loop	ORANGE NIGER SA	26/06/2008

Special Services

Numbers	Length	Service or network	Date and time of introduction
10	Two digits	Manual – long-distance	30/06/2006
11	Two digits	Repair service	30/06/2006
12	Two digits	Enquiries	30/06/2006
13	Two digits	Complaints	30/06/2006
14	Two digits	Telegrams	30/06/2006
15	Two digits	SAMU (emergency medical services) (formerly AIDS helpline)	10/05/2013
16	Two digits	Gendarmerie (formerly Manual – international)	27/06/2019
17	Two digits	Police assistance	30/06/2006
18	Two digits	Fire department	30/06/2006
19	Two digits	Enquiries	30/06/2006
118	Three digits	Fire department	21/04/2020

Contact:

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 URL: www.arcep.ne

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-06)

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 2020

Section VI

REP

GR15 SHELECTRO - DRIVAKOS SHIPPING ELECTRONIC SYSTEMS P.C.,
Androutsou 154, 185 35 Piraeus, Greece.
E-mail: shelectro@shelectro.gr.

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. 27)

Germany **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>
Germany	TelcoVillage GmbH Hennigsdorfer Str. 126 13503 BERLIN	89 49 40	Christos Omiridis Hennigsdorfer Str. 126 13503 BERLIN Germany Tel.: +49 30 221 79 00 90 Fax: +49 30 221 79 00 99 E-mail: service@telcovillage.com	1.VI.2020

**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. 16)

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) +883 320 and +883 330 ADD*

<i>Applicant</i>	<i>Network</i>	<i>Country Code and Identification Code</i>	<i>Status</i>
Tele2 IoT	Tele2 IoT	+883 320	Assigned
Cubic Telecom Limited	Cubic Telecom Limited	+883 330	Assigned

* 1.VI.2020

See page 5 of the present Operational Bulletin No. 1198 of 15.VI.2020.

**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. 34)

Country/Geographical area	MCC+MNC *	Operator/Network
United States SUP		
	310 040	MTA Communications dba MTA Wireless
	310 060	Consolidated Telcom
	310 300	Blanca Telephone Company
	310 610	Elkhart Telephone Co. Inc. dba Epic Touch Co.
	310 780	D.D. Inc
	311 200	ARINC
	311 300	Nexus Communications Inc
	311 500	Mosaic Telecom Inc
	311 960	Lycamobile USA Inc
	312 050	Fuego Wireless LLC
	312 070	Adams Networks Inc
	312 140	Cleveland Unlimited Inc
	312 340	MTA Communications dba MTA Wireless
	312 440	Consolidated Telcom
312 740	KDDI America, Inc dba Locus Telecommunications	
United States ADD		
	310 330	Wireless Partners LLC
	310 340	Limitless Mobile, LLC
	310 591	Verizon Wireless
	310 592	Verizon Wireless
	310 593	Verizon Wireless
	310 594	Verizon Wireless
	310 595	Verizon Wireless
	310 596	Verizon Wireless
	310 597	Verizon Wireless
	310 598	Verizon Wireless
	310 599	Verizon Wireless
	310 810	Pacific Lightwave Inc.
	310 891	Verizon Wireless
	310 892	Verizon Wireless
	310 893	Verizon Wireless
	310 894	Verizon Wireless
310 895	Verizon Wireless	

310 896	Verizon Wireless
310 897	Verizon Wireless
310 898	Verizon Wireless
310 899	Verizon Wireless
311 210	Telnyx LLC
311 460	ELECTRIC IMP INCORPORATED
311 600	Limitless Mobile, LLC
311 760	Reclaimed 06/21/2016
311 780	The American Samoa Telecommunications Authority
311 882	Sprint
313 061	Country Wireless
313 110	AT&T FirstNet
313 120	AT&T FirstNet
313 130	AT&T FirstNet
313 140	AT&T FirstNet
313 150	RESERVED FOR PUBLIC SAFETY
313 160	RESERVED FOR PUBLIC SAFETY
313 170	RESERVED FOR PUBLIC SAFETY
313 180	RESERVED FOR PUBLIC SAFETY
313 190	RESERVED FOR PUBLIC SAFETY
313 220	Custer Telephone Cooperative, Inc.
313 230	Velocity Communications Inc
313 240	Fundamental Holdings, Corp
313 250	Imperial County Office of Education
313 260	Expeto Wireless Inc.
313 280	King Street Wireless, LP
313 290	Gulf Coast Broadband LLC
313 300	Cambio WiFi of Delmarva, LLC.
313 310	CAL.NET, INC
313 320	Paladin Wireless
313 330	CenturyTel Broadband Services LLC
313 340	Dish Network
313 350	Dish Network
313 360	Dish Network
313 370	Red Truck Wireless, LLC
313 380	OptimERA Inc.
313 390	Altice USA Wireless, Inc.
313 400	Texoma Communications, LLC
313 410	pdvWireless
313 420	Hudson Valley Wireless
313 440	Arvig Enterprises INC
313 450	Spectrum Wireless Holdings, LLC
313 460	Mobi, Inc.

313 470	San Diego Gas & Electric Company
313 480	Ready Wireless, LLC
313 490	Puloli, Inc
313 500	Shelcomm, Inc
313 510	Puerto Rico Telecom Company
313 520	Florida Broadband, Inc
313 540	Nokia Innovations US LLC
313 550	Mile High Networks LLC
313 560	Transit Wireless, LLC
313 570	Celular Network Partnership
313 580	Telecall Telecommunications Corp.
313 590	Southern Communications Services, Inc. D/B/A Southern Linc
313 600	ST Engineering iDirect
313 610	Crystal Automation Systems, Inc.
313 620	Screened Images
313 630	LICT Corporation
313 640	Geoverse
313 650	Chevron USA INC
313 660	Hudson Valley Wireless
313 670	Hudson Valley Wireless
313 680	Hudson Valley Wireless
313 690	Shenandoah Cable Television, LLC
313 700	Ameren Services Company
313 710	Extent Systems
313 720	1st Point Communications, LLC
313 730	TruAccess Networks
313 740	RTO Wireless, LLC
313 750	313-CellTex Networks, LLC
313 760	Hologram, Inc.
313 770	Tango Networks
314 010	Boingo Wireless Inc
314 020	Spectrum Wireless Holdings, LLC
314 030	Baicells Technologies North America Inc.
314 100	RESERVED FOR PUBLIC SAFETY
314 110	RESERVED FOR PUBLIC SAFETY
314 120	RESERVED FOR PUBLIC SAFETY
314 130	RESERVED FOR PUBLIC SAFETY
314 140	RESERVED FOR PUBLIC SAFETY
314 150	RESERVED FOR PUBLIC SAFETY
314 160	RESERVED FOR PUBLIC SAFETY
314 170	RESERVED FOR PUBLIC SAFETY
314 180	RESERVED FOR PUBLIC SAFETY
314 190	RESERVED FOR PUBLIC SAFETY

United States LIR		
	310 470	Docomo Pacific Inc
	310 570	Broadpoint, LLC (former PetroCom, LLC) c/o MTPCS, LLC dba CellularOne
	310 620	Nsighttel Wireless, LLC
	310 690	Limitless Mobile, LLC
	310 940	Tyntec Inc.
	310 990	Evolve Cellular Inc.
	311 010	Chariton Valley Communications Corporation
	311 170	Tampnet (formerly Broadpoint, LLC (former PetroCom, LLC) c/o MTPCS, LL
	311 510	Ligado Networks
	311 550	Commnet Wireless, LLC
	311 700	Midwest Network Solutions Hub, LLC. (MNS)
	311 920	Missouri RSA No 5 Partnership
	312 010	Chariton Valley Communications Corporation
	312 180	Limitless Mobile, LLC
	312 220	Chariton Valley Communications Corporation
	312 650	Brightlink
	312 690	TGS, LLC
	312 990	PREMIER HOLDINGS, LLC
	313 100	AT&T FirstNet
313 210	AT&T Mobility	
International Mobile, shared code ADD		
	901 72	Tele2 IoT
	901 73	Cubic Telecom Limited
International Mobile, shared code LIR		
	901 19	Vodafone Malta (Monaco Telecom)

* 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. 98)

<i>Country or area/ISO code Company Name/Address</i>	<i>Company Code (carrier code)</i>	<i>Contact</i>
Germany (Federal Republic of) / DEU	ADD	
Greenfiber Internet & Dienste GmbH Am Markt 6 D-21335 LUENEBURG	GREEN	Mr Patrick Hauschildt Tel.: +49 4131 2839611 Fax: +49 4131 2839690 E-mail: p.hauschildt@greenfiber.de
Netzwerk Untermain GmbH Gottfried-Keller-Strasse 21 - 25 D-65479 RAUNHEIM	NWUNT	Mrs. Lisa Schandelmaier Tel.: +49 6142 942 931 135 Fax: +49 6142 926 460 Email: mainspeed@raunheim.de

**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. 76)

<i>Country/ Geographical Area</i>			
<i>ISPC</i>	<i>DEC</i>	<i>Unique name of the signalling point</i>	<i>Name of the signalling point operator</i>
Finland	SUP		
2-088-0	4800	Helsinki (HEL1)	Telia Finland Oyj
2-088-1	4801	Helsinki (HEL2)	Telia Finland Oyj
2-088-4	4804	Helsinki (OPS2)	Fonecta Oy
2-088-7	4807	Espoo (FON01)	Fonecta Oy
2-089-0	4808	Espoo (FON02)	Fonecta Oy
2-090-6	4822	Espoo (FTFIES1)	NextGen Mobile Ltd
2-091-2	4826	Vantaa (MY1)	DNA Oyj
2-091-3	4827	Vantaa (MY2)	DNA Oyj
2-255-4	6140	Helsinki (BHEL252)	Orange Business Finland Oy

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