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<i>Dates of publication of the next Operational Bulletins</i>		<i>Including information received by:</i>
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.

- 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) | 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-92, 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.650.1 (10/2020): Definitions and test methods for linear, deterministic attributes of single-mode fibre and cable
- ITU-T G.672 (10/2020): Characteristics of multi-degree reconfigurable optical add/drop multiplexers
- ITU-T G.694.1 (10/2020): Spectral grids for WDM applications: DWDM frequency grid
- ITU-T G.874 (10/2020): Management aspects of optical transport network elements
- ITU-T G.971 (10/2020): General features of optical submarine cable systems
- ITU-T G.972 (10/2020): Definition of terms relevant to optical fibre submarine cable systems
- ITU-T G.977.1 (10/2020): Transverse compatible DWDM applications for repeatered optical fibre submarine cable systems
- ITU-T G.984.5 (2014) Amd. 2 (10/2020): Gigabit-capable passive optical networks (G-PON): Enhancement band - Amendment 2
- ITU-T G.987.2 (2016) Amd. 2 (10/2020): 10-Gigabit-capable passive optical networks (XG-PON): Physical media dependent (PMD) layer specification - Amendment 2
- ITU-T G.989.2 (2019) Amd. 1 (10/2020): 40-Gigabit-capable passive optical networks 2 (NG-PON2): Physical media dependent (PMD) layer specification - Amendment 1
- ITU-T G.997.2 (2019) Amd. 2 (10/2020): Physical layer management for G.fast transceivers - Amendment 2
- ITU-T G.7710/Y.1701 (10/2020): Common equipment management function requirements
- ITU-T G.7718/Y.1709 (10/2020): Framework for the management of MC components and functions
- ITU-T G.8011/Y.1307 (10/2020): Ethernet service characteristics
- ITU-T G.8110.1/Y.1370.1 (2011) Amd. 1 (10/2020): Architecture of the Multi-Protocol Label Switching transport profile layer network - Amendment 1
- ITU-T G.8112/Y.1371 (10/2020): Interfaces for the MPLS transport profile layer network
- ITU-T G.8151/Y.1374 (10/2020): Management aspects of the MPLS-TP network element
- ITU-T G.8261/Y.1361 (2019) Amd. 2 (10/2020): Timing and synchronization aspects in packet networks - Amendment 2
- ITU-T G.8271.1/Y.1366.1 (2020) Amd. 1 (10/2020): Network limits for time synchronization in Packet networks with full timing support from the network - Amendment 1
- ITU-T G.8273/Y.1368 (2018) Cor. 1 (10/2020): Framework of phase and time clocks - Corrigendum 1
- ITU-T G.8273.2/Y.1368.2 (10/2020): Timing characteristics of telecom boundary clocks and telecom time slave clocks for use with full timing support from the network
- ITU-T G.8273.3/Y.1368.3 (10/2020): Timing characteristics of telecom transparent clocks for use with full timing support from the network
- ITU-T G.8275/Y.1369 (10/2020): Architecture and requirements for packet-based time and phase distribution
- ITU-T G.9701 (2019) Amd. 3 (10/2020): Fast access to subscriber terminals (G.fast) - Physical layer specification: Amendment 3
- ITU-T G.9806 (2020) Amd. 1 (10/2020): Higher speed bidirectional, single fibre, point-to-point optical access system (HS-PtP)- Amendment 1
- ITU-T G.9807.1 (2016) Amd. 2 (10/2020): 10-Gigabit-capable symmetric passive optical network (XGS-PON)
- ITU-T G.9960 (2018) Cor. 2 (10/2020): Unified high-speed wire-line based home networking transceivers - System architecture and physical layer specification - Corrigendum 2

- ITU-T G.9991 (2019) Cor. 1 (10/2020): High-speed indoor visible light communication transceiver - System architecture, physical layer and data link layer specification - Corrigendum 1
- ITU-T L.111 (10/2020): Optical fibre cables for in-home applications
- ITU-T L.151 (10/2020): Installation of Optical Fibre Ground Wire (OPGW) cable
- ITU-T L.330 (10/2020): Telecommunication Infrastructure facility management
- ITU-T M.3373 (10/2020): Requirements for synergy management of cloud and SDN-based networks
- ITU-T X.1052 (10/2020): Information security management processes for telecommunication organizations
- ITU-T X.1218 (10/2020): Requirements and Guidelines for Dynamic Malware Analysis in a Sandbox Environment
- ITU-T X.1374 (10/2020): Security requirements for external interfaces and devices with vehicle access capability
- ITU-T X.1375 (10/2020): Guidelines for intrusion detection system for in-vehicle networks
- ITU-T X.1400 (10/2020): Terms and definitions for distributed ledger technology
- ITU-T X.1404 (10/2020): Security assurance for distributed ledger technology
- ITU-T X.1452 (10/2020): Guidelines for security services provided by operators
- ITU-T X.1710 (10/2020): Security framework for quantum key distribution networks
- ITU-T X.1714 (10/2020): Key combination and confidential key supply for quantum key distribution networks
- ITU-T Y.3804 (09/2020): Quantum Key Distribution Networks - Control and Management
- ITU-T Z.161 (10/2020): Testing and Test Control Notation version 3: TTCN-3 core language
- ITU-T Z.161.3 (10/2020): Testing and Test Control Notation version 3: TTCN-3 language extensions: Advanced parameterization
- ITU-T Z.161.4 (10/2020): Testing and Test Control Notation version 3: TTCN-3 language extensions: Behaviour types
- ITU-T Z.161.6 (10/2020): Testing and Test Control Notation version 3: TTCN-3 language extensions: Advanced Matching
- ITU-T Z.161.7 (10/2020): Testing and Test Control Notation version 3: TTCN-3 Language Extensions: Object-Oriented Features
- ITU-T Z.165.1 (10/2020): Testing and Test Control Notation version 3: TTCN-3 extension package: Extended TRI
- ITU-T Z.166 (10/2020): Testing and Test Control Notation version 3: TTCN-3 control interface (TCI)
- ITU-T Z.167 (10/2020): Testing and Test Control Notation version 3: Using ASN.1 with TTCN-3
- ITU-T Z.169 (10/2020): 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

Botswana (country code +267)

Communication of 27.X.2020:

The *Botswana Communications Regulatory Authority (BOCRA)*, Gaborone, announces the updated national numbering plan of Botswana. The main changes are highlighted in red text.

1. National Numbering Plan (NNP)

First digit	Second digit										
	0	1	2	3	4	5	6	7	8	9	
0	Int'l ^(a)	Short international dialling in region									
1	Short codes										
2	NG ^(b)	Geographic numbering (Francistown region)									
3	NG	Geographic numbering (Gaborone)									
4	NG	Geographic numbering (Palapye region)									
5	NG	Geographic numbering (south-east region)									
6	NG	Geographic numbering (north and west regions)									
7	Personal and mobile numbering										
8	Non-geographic numbering (freephone, etc.)										
9	PRS ^(c)	Reserved								Em ^(d)	

- (a) Int'l: international access code
- (b) NG: non-geographic numbering
- (c) PRS: premium rate services (non-geographic)
- (d) Em: emergency code(s) (999, 998, 997)

2. Geographic number ranges

Area	Number range	Test number	Number length
Ramotswa Area	538 XXXX	539 0100	Seven
	539 XXXX		Seven
Mahalapye Area	471 XXXX	471 0100	Seven
	472 XXXX		Seven
	476 XXXX		Seven
	477 XXXX		Seven
Gantsi Area	659 XXXX	659 6100	Seven
Palapye Area	490 XXXX	492 0100	Seven
	491 XXXX		Seven
	492 XXXX		Seven
	493 XXXX		Seven
	494 XXXX		Seven
	495 XXXX		Seven
Selebi-Phikwe Area	260 XXXX	261 0100	Seven
	261 XXXX		Seven
	262 XXXX		Seven
	264 XXXX		Seven
Francistown Area	240 XXXX	241 0100	Seven
	241 XXXX		Seven
	242 XXXX		Seven
	243 XXXX		Seven
	244 XXXX		Seven
	248 XXXX		Seven

<i>Area</i>	<i>Number range</i>	<i>Test number</i>	<i>Number length</i>
Letlhakane/Orapa Area	290 XXXX	297 0100	Seven
	295 XXXX		Seven
	297 XXXX		Seven
	298 XXXX		Seven
Kgalagadi Area	651 XXXX	654 0100	Seven
	654 XXXX		Seven
Serowe Area	460 XXXX	463 0100	Seven
	463 XXXX		Seven
Molepolole Area	590 XXXX	592 0100	Seven
	591 XXXX		Seven
	592 XXXX		Seven
	593 XXXX		Seven
	594 XXXX		Seven
	599 XXXX		Seven
Maun Area	680 XXXX	686 0100	Seven
	686 XXXX		Seven
	687 XXXX		Seven
Outer Gaborone Area	310 XXXX	310 2771	Seven
Barolong/Ngwaketse Area	540 XXXX	544 0100	Seven
	544 XXXX		Seven
	548 XXXX		Seven
	549 XXXX		Seven
Mochudi Area	571 XXXX	577 7100	Seven
	572 XXXX		Seven
	573 XXXX		Seven
	574 XXXX		Seven
	577 XXXX		Seven
Gaborone Area	392 XXXX	395 8100	Seven
	394 XXXX		Seven
	395 XXXX		Seven
Gaborone Area	390 XXXX	355 1100	Seven
	391 XXXX		Seven
	397 XXXX		Seven
	355 XXXX		Seven
Gaborone Area	312 XXXX	315 9095	Seven
	313 XXXX		Seven
	315 XXXX		Seven
	316 XXXX		Seven
	317 XXXX		Seven
	318 XXXX		Seven
	319 XXXX		Seven
Lobatse Area	530 XXXX	533 0100	Seven
	533 XXXX		Seven
Jwaneng Area	588 XXXX	588 0100	Seven
Gaborone Area	36X XXXX	363 6400	Seven
	370 XXXX		Seven
	371 XXXX		Seven
	393 XXXX		Seven
Kasane Area	621 XXXX	625 0250	Seven
	622 XXXX		Seven
	623 XXXX		Seven
	625 XXXX		Seven

All fixed lines in Botswana are seven (7) digits long.

3. Mobile, VoIP and M2M number ranges assigned

<i>Operator</i>	<i>Mobile Number Range</i>
Mascom Wireless	71 000 000 – 71 999 999 74 000 000 – 74 299 999 74 500 000 – 74 799 999 75 400 000 – 75 699 999 75 900 000 – 75 999 999 76 000 000 – 76 299 999 76 600 000 – 76 799 999 77 000 000 – 77 199 999 77 600 000 – 77 799 999 77 800 000 – 77 899 999
Orange Botswana	72 000 000 – 72 999 999 74 300 000 – 74 499 999 74 800 000 – 74 899 999 75 000 000 – 75 399 999 75 700 000 – 75 799 999 76 300 000 – 76 599 999 76 900 000 – 76 999 999 77 300 000 – 77 399 999 77 400 000 – 77 599 999 77 900 000 – 77 999 999 78 000 000 – 78 099 999 78 100 000 – 78 199 999
Botswana Telecommunications Corporation Limited (BTCL)	73 000 000 – 73 999 999 74 900 000 – 74 999 999 75 800 000 – 75 899 999 76 800 000 – 76 899 999 77 200 000 – 77 299 999

<i>Operator</i>	<i>VoIP Number range</i>
Virtual Business Network Services	79 100 000 – 79 100 999
AfriTel	79 101 000 – 79 101 999
Global Broadband Solutions	79 102 000 – 79 102 999
Business Solutions Consultants	79 103 000 – 79 103 999
Fourth Dimension	79 104 000 – 79 104 999
OPQ Net	79 105 000 – 79 105 999
Mega Internet	79 106 000 – 79 106 999
Stature (OpenVoice)	79 107 000 – 79 107 999 79 113 000 – 79 113 999
Tsagae Communications	79 108 000 – 79 108 999
MicroTeck Enterprises	79 109 000 – 79 109 999
Microla Botswana	79 110 000 – 79 110 999
Internet Options Botswana	79 111 000 – 79 111 999
FDI Foneworx	79 112 000 – 79 112 999
MTN Business Solutions	79 114 000 – 79 114 999
Abari Communications	79 115 000 – 79 115 999
Mission Communications	79 116 000 – 79 116 999
ConceroTel	79 117 000 – 79 117 999
Paratus Africa	79 118 000 – 79 118 999
Blue Pearl Communications T/A ROI	79 119 000 – 79 119 999
Dapit Ventures T/A GCSat Botswana	79 120 000 – 79 120 999
Orange Botswana	79 200 000 – 79 209 999 79 220 000 – 79 229 999
Botswana Telecommunications Corporation Limited (BTCL)	79 210 000 – 79 219 999

All mobile and VoIP lines in Botswana are eight (8) digits long.

<i>Operator</i>	<i>M2M Number range</i>
Orange Botswana	890 000 0000 – 890 000 9999
BTCL	890 005 0000 – 890 005 9999

All Machine to Machine (M2M) Communications numbers Botswana are ten (10) digits long.

4. National Codes

Mobile Country Code (E.212 MCC)	652
Mascom Wireless (MNC – mobile network code)	01
Orange Botswana (MNC – mobile network code)	02
Botswana Telecommunications Corporation (BTCL) MNC – mobile network code	04

Administrations and Recognized Operating Agencies (ROAs) are requested to ensure the timely activation of the above number ranges.

Contact:

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Botswana
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Costa Rica (country code +506)

Communication of 16.X.2020:

The *Superintendencia de Telecomunicaciones (SUTEL)*, San José, which under Executive Decree N°40943-MICITT (National Numbering Plan), is in charge of the control and administration of numbering resources in Costa Rica, acting in accordance with the provisions of Recommendation ITU-T E.129, submits the:

Modification to the ITU-T E.164 National Numbering Plan (NNP) for country code +506

Table 1 – Description of introduction of new resources
in the ITU-T E.164 National Numbering Plan
for country code +506

<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>Time and date of introduction</i>
	<i>Maximum length</i>	<i>Minimum length</i>		
4082-5000 to 4084-9999	8 digits	8 digits	IP telephone service TELECABLE, S.A.	2017-03-27 In accordance with Resolution RCS-095-2017
4350-0000 to 4350-4999	8 digits	8 digits	IP telephone service COSTA RICA INTERNATIONAL SERVICE PROVIDER S.A.	2018-05-18 In accordance with Resolution RCS-199-2018
4350-5000 to 4350-9999	8 digits	8 digits	IP telephone service COSTA RICA INTERNATIONAL SERVICE PROVIDER S.A.	2018-09-24 In accordance with Resolution RCS-315-2018
4500-0000 to 4500-4999	8 digits	8 digits	IP telephone service COOPEGUANACASTE R.L.	2019-02-11 In accordance with Resolution RCS-029-2019
4410-0000 to 4419-9999	8 digits	8 digits	IP telephone service CLARO CR TELECOMUNICACIONES S.A.	2019-05-10 In accordance with Resolution RCS-097-2019
4205-0000 to 4205-4999	8 digits	8 digits	IP telephone service COMUNICACIONES METROPOLITANAS S.A.	2019-10-25 In accordance with Resolution RCS-282-2019
4600-0000 to 4600-9999	8 digits	8 digits	IP telephone service RING CENTRALES DE COSTA RICA S.A.	2020-09-10 In accordance with Resolution RCS-235-2020
4700-0000 to 4705-9999	8 digits	8 digits	IP telephone service TELEVISORA DE COSTA RICA, S.A.	2018-09-28 In accordance with Resolution RCS-230-2020

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URL: www.sutel.go.cr

Côte d'Ivoire (country code +225)

Communication of 30.X.2020:

The *Autorité de Régulation des Télécommunications/TIC de Côte d'Ivoire (ARTCI)*, Abidjan, wishes to reiterate its announcement of July 2020 regarding the change in format and the introduction of the new national numbering plan, effective as of **0000 hours GMT on 31 January 2021**.

All administrations, recognized operating agencies and service providers are requested to initiate the necessary programming of the changes announced in July 2020 (see below) into their networks by **31 January 2021 (0000 hours GMT)** to enable subscribers to access related services.

In complement to the communication issued in July 2020, ARTCI wishes to emphasize that, following the changeover to the new dialling format, all calls to Côte d'Ivoire mobile numbers must include the digit "0" after the ITU-T E.164 country code "225", as it is part of the national (significant) number (N(S)N). The numbers for mobile telephone service providers will therefore be as follows: +225 **01** XX XX XXXX, +225 **05** XX XX XXXX and +225 **07** XX XX XXXX for MOOV CI, MTN CI and ORANGE CI respectively.

Communication of 13.VII.2020: *(published in Operational Bulletin No. 1201 (1.VIII.2020))*

The *Autorité de Régulation des Télécommunications/TIC de Côte d'Ivoire (ARTCI)*, Abidjan, hereby announces the modification of the national numbering plan of Côte d'Ivoire, from eight (8) to ten (10) digits, effective **31 January 2021** in Côte d'Ivoire (country code: 225).

The change to ten (10) figures is being made in order to cope with the saturation of mobile service number resources on the one hand and ensure the availability of numbers on the other, thereby meeting the ever increasing demands of mobile telephone operators and future services, such as the Internet of Things.

Under the new ten-digit numbering plan, numbers will be structured as follows: **XZABPQMCDU**.

The theoretical maximum capacity of the ten-digit numbering plan is ten (10) billion numbers for all telecommunication services.

The minimum number length (excluding country code) is **3 digits** and the maximum number length (excluding country code) is **10 digits**.

1. Presentation of national ten-digit numbering plan

a) General

The method by which the numbering plan is used is based on sharing according to service type.

In the chain **XZABPQMCDU**, X denotes the services as follows:

- X = 0 for mobile telephone services;
- X = 1 for assistance and emergency services;
- X = 2 for fixed telephone services (geographic and non-geographic);
- X = 3, 4, 5, 6 and 7 for future services (future reserves);
- X = 8, 9 for value-added services.

b) Detailed presentation of new national numbering plan (see Annex 1)

2. Changeover

Aside from the country code (225) preceding the subscriber number in the event of calls originating from abroad, the changeover will consist in adding a prefix **XZ** to the old eight-digit numbers (ABPQMCDU) of the fixed and mobile telephone services. After the changeover on 31 January 2021, this will result in the following:

a) Mobile telephone services

- To call a MOOV CI subscriber, it is necessary to dial "**01**" followed by the old eight-digit number;
- To call an MTN CI subscriber, it is necessary to dial "**05**" followed by the old eight-digit number;
- To call an ORANGE CI subscriber, it is necessary to dial "**07**" followed by the old eight-digit number;

b) Fixed telephone services

- To call a MOOV CI subscriber, it is necessary to dial "**21**" followed by the old eight-digit number;
- To call an MTN CI subscriber, it is necessary to dial "**25**" followed by the old eight-digit number;
- To call an ORANGE CI subscriber, it is necessary to dial "**27**" followed by the old eight-digit number;

c) Emergency, assistance and value-added services

The numbers for emergency, assistance and value-added services, which vary in length from three to eight digits, remain unchanged.

(see Annex 2)

Annex 1

*Detailed presentation of new national number plan (according to Rec. ITU-T E.129)
(31 January 2021)*

National destination code (NDC) or leading digits of national (significant) number (N(S)N)	N(S)N number length		Usage of ITU-T E.164 number	Additional information
	Minimum length	Maximum length		
00	-	-	International access prefix	
01 (NDC)	10	10	Mobile telephony	Operator Atlantique Telecom CI
05 (NDC)	10	10	Mobile telephony	Operator MTN CI
07 (NDC)	10	10	Mobile telephony	Operator Orange CI
1 (LDS)	3	4	Assistance, emergency, social, health and other services	
21 0 21 1 21 2 (NDC) 21 3 21 4	10	10	Fixed telephony (geographic numbers)	Operator Atlantique Telecom CI
25 0 25 1 25 2 (NDC) 25 3 25 4	10	10	Fixed telephony (geographic numbers)	Operator MTN CI
27 0 27 1 27 2 (NDC) 27 3 27 4	10	10	Fixed telephony (geographic numbers)	Operator Orange CI
21 5 21 6 21 7 (NDC) 21 8 21 9	10	10	Fixed telephony (non-geographic numbers)	Operator Atlantique Telecom CI
25 5 25 6 25 7 (NDC) 25 8 25 9	10	10	Fixed telephony (non-geographic numbers)	Operator MTN CI
27 5 27 6 27 7 (NDC) 27 8 27 9	10	10	Fixed telephony (non-geographic numbers)	Operator Orange CI
8 (LDS)	8	8	Value-added services	-
9 (LDS)	4	8	Value-added services	-

LDS = Leading digit of N(S)N

Annex 2

Presentation of modifications made to the ITU-T E.164 numbering plan of the Republic of Côte d'Ivoire (country code: 225) (according to Rec. ITU-T E.129)

Announced time and date of change (UTC)	N(S)N		Usage of ITU-T E.164 number	Parallel running		Operator
	Old number	New number		Start	End	
31 January 2021 – 00:00	01 PQ MCDU	01 01 PQ MCDU	Mobile telephony	N/A		Atlantique Telecom CI
	02 PQ MCDU	01 02 PQ MCDU	Mobile telephony	N/A		
	03 PQ MCDU	01 03 PQ MCDU	Mobile telephony	N/A		
	40 PQ MCDU	01 40 PQ MCDU	Mobile telephony	N/A		
	41 PQ MCDU	01 41 PQ MCDU	Mobile telephony	N/A		
	42 PQ MCDU	01 42 PQ MCDU	Mobile telephony	N/A		
	43 PQ MCDU	01 43 PQ MCDU	Mobile telephony	N/A		
	50 PQ MCDU	01 50 PQ MCDU	Mobile telephony	N/A		
	51 PQ MCDU	01 51 PQ MCDU	Mobile telephony	N/A		
	52 PQ MCDU	01 52 PQ MCDU	Mobile telephony	N/A		
	53 PQ MCDU	01 53 PQ MCDU	Mobile telephony	N/A		
	70 PQ MCDU	01 70 PQ MCDU	Mobile telephony	N/A		
	71 PQ MCDU	01 71 PQ MCDU	Mobile telephony	N/A		
	72 PQ MCDU	01 72 PQ MCDU	Mobile telephony	N/A		
73 PQ MCDU	01 73 PQ MCDU	Mobile telephony	N/A			
31 January 2021 – 00:00	04 PQ MCDU	05 04 PQ MCDU	Mobile telephony	N/A		MTN CI
	05 PQ MCDU	05 05 PQ MCDU	Mobile telephony	N/A		
	06 PQ MCDU	05 06 PQ MCDU	Mobile telephony	N/A		
	44 PQ MCDU	05 44 PQ MCDU	Mobile telephony	N/A		
	45 PQ MCDU	05 45 PQ MCDU	Mobile telephony	N/A		
	46 PQ MCDU	05 46 PQ MCDU	Mobile telephony	N/A		
	54 PQ MCDU	05 54 PQ MCDU	Mobile telephony	N/A		
	55 PQ MCDU	05 55 PQ MCDU	Mobile telephony	N/A		
	56 PQ MCDU	05 56 PQ MCDU	Mobile telephony	N/A		
	64 PQ MCDU	05 64 PQ MCDU	Mobile telephony	N/A		
	65 PQ MCDU	05 65 PQ MCDU	Mobile telephony	N/A		
	66 PQ MCDU	05 66 PQ MCDU	Mobile telephony	N/A		
	74 PQ MCDU	05 74 PQ MCDU	Mobile telephony	N/A		
	75 PQ MCDU	05 75 PQ MCDU	Mobile telephony	N/A		
	76 PQ MCDU	05 76 PQ MCDU	Mobile telephony	N/A		
	84 PQ MCDU	05 84 PQ MCDU	Mobile telephony	N/A		
85 PQ MCDU	05 85 PQ MCDU	Mobile telephony	N/A			
86 PQ MCDU	05 86 PQ MCDU	Mobile telephony	N/A			
94 PQ MCDU	05 94 PQ MCDU	Mobile telephony	N/A			
95 PQ MCDU	05 95 PQ MCDU	Mobile telephony	N/A			
96 PQ MCDU	05 96 PQ MCDU	Mobile telephony	N/A			

<i>Announced time and date of change (UTC)</i>	<i>N(S)N</i>		<i>Usage of ITU-T E.164 number</i>	<i>Parallel running</i>		<i>Operator</i>
	<i>Old number</i>	<i>New number</i>		<i>Start</i>	<i>End</i>	
31 January 2021 – 00:00	07 PQ MCDU	07 07 PQ MCDU	Mobile telephony	N/A		ORANGE CI
	08 PQ MCDU	07 08 PQ MCDU	Mobile telephony	N/A		
	09 PQ MCDU	07 09 PQ MCDU	Mobile telephony	N/A		
	47 PQ MCDU	07 47 PQ MCDU	Mobile telephony	N/A		
	48 PQ MCDU	07 48 PQ MCDU	Mobile telephony	N/A		
	49 PQ MCDU	07 49 PQ MCDU	Mobile telephony	N/A		
	57 PQ MCDU	07 57 PQ MCDU	Mobile telephony	N/A		
	58 PQ MCDU	07 58 PQ MCDU	Mobile telephony	N/A		
	59 PQ MCDU	07 59 PQ MCDU	Mobile telephony	N/A		
	67 PQ MCDU	07 67 PQ MCDU	Mobile telephony	N/A		
	68 PQ MCDU	07 68 PQ MCDU	Mobile telephony	N/A		
	69 PQ MCDU	07 69 PQ MCDU	Mobile telephony	N/A		
	77 PQ MCDU	07 77 PQ MCDU	Mobile telephony	N/A		
	78 PQ MCDU	07 78 PQ MCDU	Mobile telephony	N/A		
	79 PQ MCDU	07 79 PQ MCDU	Mobile telephony	N/A		
	87 PQ MCDU	07 87 PQ MCDU	Mobile telephony	N/A		
	88 PQ MCDU	07 88 PQ MCDU	Mobile telephony	N/A		
	89 PQ MCDU	07 89 PQ MCDU	Mobile telephony	N/A		
97 PQ MCDU	07 97 PQ MCDU	Mobile telephony	N/A			
98 PQ MCDU	07 98 PQ MCDU	Mobile telephony	N/A			
31 January 2021 – 00:00	20 8 QMCDU	21 20 8 QMCDU	Fixed telephony	N/A		Atlantique Telecom
	21 8 QMCDU	21 21 8 QMCDU	Fixed telephony	N/A		Atlantique Telecom
	22 8 QMCDU	21 22 8 QMCDU	Fixed telephony	N/A		Atlantique Telecom
	23 8 QMCDU	21 23 8 QMCDU	Fixed telephony	N/A		Atlantique Telecom
	20 0 QMCDU	25 20 0 QMCDU	Fixed telephony	N/A		MTN CI
	21 0 QMCDU	25 21 0 QMCDU	Fixed telephony	N/A		MTN CI
	22 0 QMCDU	25 22 0 QMCDU	Fixed telephony	N/A		MTN CI
	23 0 QMCDU	25 23 0 QMCDU	Fixed telephony	N/A		MTN CI
	24 0 QMCDU	25 24 0 QMCDU	Fixed telephony	N/A		MTN CI
	30 0 QMCDU	25 30 0 QMCDU	Fixed telephony	N/A		MTN CI
	31 0 QMCDU	25 31 0 QMCDU	Fixed telephony	N/A		MTN CI
	32 0 QMCDU	25 32 0 QMCDU	Fixed telephony	N/A		MTN CI
	33 0 QMCDU	25 33 0 QMCDU	Fixed telephony	N/A		MTN CI
	34 0 QMCDU	25 34 0 QMCDU	Fixed telephony	N/A		MTN CI
35 0 QMCDU	25 35 0 QMCDU	Fixed telephony	N/A		MTN CI	
36 0 QMCDU	25 36 0 QMCDU	Fixed telephony	N/A		MTN CI	

<i>Announced time and date of change (UTC)</i>	<i>N(S)N</i>		<i>Usage of ITU-T E.164 number</i>	<i>Parallel running</i>		<i>Operator</i>
	<i>Old number</i>	<i>New number</i>		<i>Start</i>	<i>End</i>	
31 January 2021 – 00:00	20 2 QMCDU	27 20 2 QMCDU	Fixed telephony	N/A		ORANGE CI
	20 3 QMCDU	27 20 3 QMCDU	Fixed telephony	N/A		ORANGE CI
	21 2 QMCDU	27 21 2 QMCDU	Fixed telephony	N/A		ORANGE CI
	21 3 QMCDU	27 21 3 QMCDU	Fixed telephony	N/A		ORANGE CI
	21 5 QMCDU	27 21 5 QMCDU	Fixed telephony	N/A		ORANGE CI
	21 7 QMCDU	27 21 7 QMCDU	Fixed telephony	N/A		ORANGE CI
	22 4 QMCDU	27 22 4 QMCDU	Fixed telephony	N/A		ORANGE CI
	22 5 QMCDU	27 22 5 QMCDU	Fixed telephony	N/A		ORANGE CI
	23 4 QMCDU	27 23 4 QMCDU	Fixed telephony	N/A		ORANGE CI
	23 5 QMCDU	27 23 5 QMCDU	Fixed telephony	N/A		ORANGE CI
	24 3 QMCDU	27 24 3 QMCDU	Fixed telephony	N/A		ORANGE CI
	24 4 QMCDU	27 24 4 QMCDU	Fixed telephony	N/A		ORANGE CI
	24 5 QMCDU	27 24 5 QMCDU	Fixed telephony	N/A		ORANGE CI
	30 6 QMCDU	27 30 6 QMCDU	Fixed telephony	N/A		ORANGE CI
	31 6 QMCDU	27 31 6 QMCDU	Fixed telephony	N/A		ORANGE CI
	31 9 QMCDU	27 31 9 QMCDU	Fixed telephony	N/A		ORANGE CI
	32 7 QMCDU	27 32 7 QMCDU	Fixed telephony	N/A		ORANGE CI
	33 7 QMCDU	27 33 7 QMCDU	Fixed telephony	N/A		ORANGE CI
	34 7 QMCDU	27 34 7 QMCDU	Fixed telephony	N/A		ORANGE CI
35 7 QMCDU	27 35 7 QMCDU	Fixed telephony	N/A		ORANGE CI	
36 7 QMCDU	27 36 7 QMCDU	Fixed telephony	N/A		ORANGE CI	

N/A = Not applicable

Contact:

Autorité de Régulation des Télécommunications/TIC de Côte d'Ivoire (ARTCI)
 Marcory Anoumanbo
 18 BP 2203 ABIDJAN
 Côte d'Ivoire
 Tel: +225 20344373
 Fax: +225 20344375
 URL: www.artci.ci

Niger (country code +227)

Communication of 28.X.2020:

The *Autorité de Régulation des Communications Électroniques et de la Poste (ARCEP)*, Niamey, announces that the number block **+227 83 XX XX XX** is indeed allocated to the operator "NIGER TELECOMS SA" for the provision of mobile telephone services since 30 August 2018.

All Administrations, Recognized Operating Agencies (ROAs) and service providers are requested to initiate the necessary programming of the above-mentioned number range into their network to enable subscribers to access services.

Contact:

Ms Touré Beidari Leila Kadri
Chef de Département Gestion des Ressources
ARCEP (Autorité de Régulation des Communications Électroniques et de la Poste)
B.P.: 13179
NIAMEY
Niger
Tel: +227 20 73 90 11 / +227 20 73 90 08
E-mail: leila.kadri@arcep.ne / leilah41@hotmail.com
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

ADD

KE02 TELKOM KENYA LIMITED, 30301 00100, Nairobi, Kenya.
E-mail: snwawira@telkom.co.ke, Tel: +254 (020) 4952000.

REP

KE01 Communications Authority of Kenya, 14448 00800, Nairobi, Kenya.
E-mail: onyando@ca.go.ke, Tel: +254 (020) 4242000/445, +254 703042000/445,
Fax: +254 2 330435,
Contact person: Tom M. OLWERO, Director Frequency Spectrum Management.

SUP

US01 Federal Communications Commission, 1245 12th Street, SW,
Room CY-C140 Washington, DC 20554, United States.
Contact Person: Tim Dates, Tel: +1 202 418 0496, ITS Group.

US13 Telemar USA LLC, 2302 South Battleground Road, La Porte,
TX 77571, United States.
Contact Person: E. Vaughan, 15 Blue Hosta Way, Rockville, MD 20850.

**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. 37)

French Guiana 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>
French Guiana	Free Caraïbe MBE 262 Mangot Vulcin 97232 LE LAMENTIN France	89 594 04	Pascal Mayeux 16 rue de la Ville l'Evêque 75008 PARIS France Tel: +33 173502495 E-mail: pmayeux@free-mobile.fr	1.VII.2020

Guadeloupe 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>
Guadeloupe	Free Caraïbe MBE 262 Mangot Vulcin 97232 LE LAMENTIN France	89 590 09	Pascal Mayeux 16 rue de la Ville l'Evêque 75008 PARIS France Tel: +33 173502495 E-mail: pmayeux@free-mobile.fr	1.VII.2020

Martinique 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>
Martinique	Free Caraïbe MBE 262 Mangot Vulcin 97232 LE LAMENTIN France	89 596 04	Pascal Mayeux 16 rue de la Ville l'Evêque 75008 PARIS France Tel: +33 173502495 E-mail: pmayeux@free-mobile.fr	1.VII.2020

Japan 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>
Japan	GRAPE ONE LTD. Hakusei Building 4F, 1-3-9, Iwamotocho, Chiyoda-Ward, TOKYO	89 81 15	Kazuyuki Endo, Planning Department Hakusei Building 4F, 1-3-9, Iwamotocho, Chiyoda-Ward, TOKYO Tel: +81 3 6240 9638 Fax: +81 3 6240 9831 E-mail: endo.kazuyuki@grapeone.co.jp	1.XI.2020

Kenya 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>
Kenya	Infura Limited 1 Flr Park Place Parklands NAIROBI	89 254 12	CTO Infura Limited 1st Floor Park Place Limuru Road Parklands NAIROBI E-mail: info@infura.co.ke	1.X.2020

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	Puloli, Inc. 649 Mission Street San Francisco, CA 94105	89 1 055	CEO, Puloli, Inc. 649 Mission Street San Francisco, CA 94105 Tel: +1 415 926 2000 E-mail: info@puloli.com	1.X.2020

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. 104)

<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		
Comparar GmbH Schulze-Delitzsch-Strasse 23 C D-30938 BURGWEDEL	COMP01	Mr Christian Dehning Tel.: +49 5139 69782430 Fax: +49 5139 69782499 Email: portierung@comparar.de
novanetz GmbH & Co.KG Landwehrstrasse 76 D-30519 HANNOVER	NOVA	Mr Dennis Kornehl Tel.: +49 511 99998035 Fax: +49 511 99998041 Email: dk@mwerk.net
Städtische Werke Angermünde GmbH Berliner Strasse 1 D-16278 ANGERMÜNDE	SWANG	Mr Benjamin Noack Tel.: +49 3331 3655 222 Fax: +49 3331 3655 25 Email: benjamin.noack@sw-angermuende.de

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 15.X.2020, the following countries/geographical areas have updated their national numbering plan on our site:

<i>Country/ Geographical area</i>	<i>Country Code (CC)</i>
Congo	+242
Senegal	+221