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.

1251   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 September 2022)

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)

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-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 H.266 (V3) (09/2023): Versatile video coding

– ITU-T H.273 (V3) (09/2023): Coding-independent code points for video signal type identification

– ITU-T H.274 (V3) (09/2023): Versatile supplemental enhancement information messages for coded video bitstreams

– ITU-T L.1241 (09/2023): Methodologies for evaluating the functionality and performance of power supply unit configured for servers

– ITU-T L.1631 (09/2023): Reference model of firefighting infrastructure management system for buildings in sustainable cities

– ITU-T Y.2249 (09/2023): Service model for human-centric touring guide with augmented reality

– ITU-T Y.3058 (09/2023): Functional architecture for trust enabled service provisioning

– ITU-T Y.3060 (09/2023): Autonomous networks - overview on trust

– ITU-T Y.3083 (09/2023): Information-centric networking in networks beyond IMT-2020: Reference model of on-site, elastic, and autonomous network

– ITU-T Y.3124 (09/2023): Quality of service monitoring requirements and framework for IMT-2020 and beyond

– ITU-T Y.3125 (09/2023): QoS assurance requirements and framework for cloud gaming supported by IMT-2020 network

– ITU-T Y.3204 (09/2023): Fixed, mobile and satellite convergence - Service continuity for IMT-2020 networks and beyond

– ITU-T Y.3815 (09/2023): Quantum key distribution networks - overview of resilience

– ITU-T Y.3816 (09/2023): Quantum key distribution networks - Functional architecture enhancement of machine learning based quality of service assurance

– ITU-T Y.3817 (09/2023): Quantum key distribution networks interworking - Requirements of quality of service assurance

– ITU-T Y.3818 (09/2023): Quantum key distribution networks interworking – architecture

By TSB Circular 140 of 25 September 2023, it was announced that the following ITU-T Recommendations were approved in accordance with the procedures outlined in Resolution 1:

– ITU-T Y.4223 (09/2023): Common requirements and capabilities of smart cities and communities from IoT and ICT perspectives

– ITU-T Y.4604 (09/2023): Metadata for camera sensing information of autonomous mobile IoT devices

Telephone Service
(Recommendation ITU-T E.164)

Botswana (country code +267)

Communication of 26.IX.2023:

The *Botswana Communications Regulatory Authority (BOCRA)*, Gaborone, announces the updated national numbering plan of Botswana.

NATIONAL NUMBERING PLAN
AND
LIST OF NUMBERING RESOURCE ALLOCATIONS AND ASSIGNMENTS

DEFINITIONS

"Administration of Numbering Resources" means the set of activities associated with the Assignment, Designation, and the oversight and monitoring of Numbering Resources, whose Allocation is established in the Numbering Plan.

"Allocation" means the attribution of the purpose and quantitative capacity of sets of Numbering Resources established in Numbering Plan.

"Assignment" means the allotment of Numbering Resources previously allocated in a Numbering Plan for a given telecommunications service provider or end-user.

"Assignee" means a person (natural or legal) to whom an assignment of numbers is made.

"End user" means a person who utilizes telecommunications services by assigned numbering resources.

"Facilities-based Service Provider" means a service provider who owns and operates the telecommunications network facilities used in the provision of a specified service.

"Freephone" means telephone service whereby a subscribing organization can pay for the incoming calls made by its clients or customers.

"National Numbering Plan" means the identification of the framework for allocation of ordinary numbering blocks, carrier identification codes, short codes, and other unique numbering resources to different applications and categories of resource

"Primary assignment" means the assignment of numbering resources by the BOCRA to individual companies and service providers.

"Public Land Mobile Network" means a combination of wireless communication services offered by a specific operator in a specific country

"Public Switched Data Networks" means a publicly available network supporting packet-switched data, separate from the Public Switched Telephone Network.

"Public Switched Telephone Network" means is the aggregate of the world's circuit-switched telephone networks that are operated by national, regional, or local telephone operators, providing infrastructure and services for public telecommunication

"Secondary assignment" means the assignment of numbering resources by recipients of a primary assignment to their customers.

"Shared calls" means is the sharing of a phone number across multiple devices in different locations

ACRONYMS

CRA Act   Communications Regulatory Authority Act

BOCRA   Botswana Communications Regulatory Authority,

CRASA Communications Regulators Association of Southern Africa.

CC   Country Code

DNIC   Data Network Interface Codes

IoT   Internet of Things

ISPC   International Signalling Point Codes

M2M   Machine to Machine

MNC   Mobile Network Codes

MCC   Mobile Country Code

MNO   Mobile Network Operator

NCC   Network Colour Codes

NSPC   National Signalling Point Codes

NNP   National Numbering Plan

PRS   Premium Rate Services

PLMN   Public Land Mobile Network (PLMN)

PSDN   Public Switched Data Network

PSTN   Public Switched Telephone Network (PSTN)

SADC   Southern Africa Development Community

SPC   Signalling Point Code

USSD   Unstructured Supplementary Service Data

VANs   Value Added Network Service providers

VoIP   Voice Over Internet Protocol

1. INTRODUCTION

1.1 Section 38 of the Communications Regulatory Authority Act of 2012, grants Botswana Communications Regulatory Authority (the Authority or BOCRA) the mandate to maintain a Numbering Plan and other telecommunication numbering resources used in Botswana.

1.2 In fulfilling this statutory mandate, BOCRA is required to develop a National Numbering Plan (NNP) for the efficient use of the numbering resources of telecommunications services and ensure adherence to the plan regarding the allocations and assignments of the numbering resources to the service providers. To achieve this mandate BOCRA shall:

1.2.1   Ensure that the National Numbering Plan, where applicable, will ensure that it is compatible with relevant Numbering Plan Standards and Industry Guidelines, International Agreements, Standards and Recommendations.

1.2.2   Manage the National Numbering Plan Allocations and Assignments to ensure that there are enough numbers available to meet current and reasonably anticipated future demands of services.

1.2.3   Ensure that there is equity, efficiency and transparency in the allocation and primary assignment of numbers, and that costs to service providers and consumers are objectively justified.

2. PURPOSE

The purpose of the National Numbering Plan is to ensure transparent, non-discriminatory and efficient use of numbers. This practice assures service providers and end-users of excellent provision and consumption of telecommunications services.

3. BACKGROUND

3.1 BOCRA adopts the principles and procedures, in the form of administration of Numbering Policies, Numbering Plan Code of Conduct and Numbering Database that govern the way numbering resources are allocated and assigned. These administrative mechanisms promote fair and efficient allocation, assignment and use of numbering resources. This shall provide BOCRA and the Service Providers with a management platform and the end users with specific identification of their respective services in relation to the numbering plan.

4. NATIONAL NUMBERING PLAN (NNP)

4.1 The National Numbering Plan is illustrated in **Table 1**.
Table 1 is the matrix for allocation of all numbers i.e., Fixed, Mobile, Short Codes, and other unique numbering resources. These are described in detail in the following sections.

Table 1: The National Numbering Plan

First digit	Second digit									
	0	1	2	3	4	5	6	7	8	9
0	Int'l	Short international dialling in region							0800 & 08XX	
1	Short codes									
2	NG	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	Mobile numbering									
8	Non-geographic numbering (M2M and Mobile)									
9	PRS	91X	Reserved							99X

Int'l: international access code
NG: non-geographic numbering
PRS: premium rate services (non-geographic)

4.2 Unique Numbers and Short Code numbers

4.2.1 Level 0 - International Access and Freephone Numbers
Levels 0 is used for international access (**00**), the freephone numbers commencing with **0800** and shared calls were allocated the **08XX** numbering range.

4.2.2 Levels 1 - Short Codes
Level 1 is used for the Short Codes. Short codes are short telephone numbers classified into three categories being Types A, B and C. The numbers occupy the 1XX, 1XXX and 1XXXX number blocks i.e., three or four- and five-digits long numbers. Refer to Table 2.

Table 2: Summary of Types of Short Codes

Short Code Types	Services and attributes	Length of number digits
Type A	Nationally important services including emergency numbers	3 digits long emergency services
Type B	Across net services i.e., accessed through all public MNOs	5 digits long:16XXX, 17XXX, 18XX(X) and 19XXX number blocks.
Type C	On-Net services and can have same number for different services within the network.	10X(X), 11XX, 12X(X).

4.2.3 Level *1 and *2 - USSD codes.
The levels *1 and *2 are used for the USSD codes which currently occupy the *1XX*XXX# and *2XX*XXX# numbering blocks.

4.2.4 Levels 1 and 9 - Emergency Numbers
Level 1 and part of level 9 is used for the emergency numbers. The emergency numbers occupy the 110-116, 99X and 91X numbering blocks. Reference is made to Table 3 below being a list of Emergency Service Providers.

Table 3: Assigned Emergency Numbers

Service Provider	Emergency Number
All Emergencies	112
ChildLine Botswana	116
Emergency Assist	991
MedRescue International	992
Rescue One	993
Boitekanelo Medical Services	994
Okavango Air Rescue	995
Botswana Fire Department	998
Ambulance (Ministry of Health)	997
Police	999
MedRescue International	911
Medflex	914

4.2.5 Premium Rate Services
The Premium Rate Services (PRS) in level 09 remains unused and remains reserved for this service.

4.3 Fixed Numbers

4.3.1 Levels 2 to 6: Fixed numbers

Level 2 to 6 are the seven (7) digits long geographical numbers occupying the numbering range from 2XX XXXX to 6XX XXXX respectively providing services to fixed line services. Reference is made to *Table 4* below. This, however, excludes the following selected numbers on the second- and third-digit levels zero e.g., 200 0000, 300 0000, 460 0000, 530 0000, 680 0000 which are reserved.

Table 4: Fixed numbers by the geographical location

Geographical Area	Number range	Zone
Francistown Area	24X XXXX	4
Selebi-Phikwe Area	26X XXXX	4
Letlhakane/Orapa Area	29X XXXX	4
Gaborone Area	3XX XXXX	1
Serowe Area	46X XXXX	3
Mahalapye Area	47X XXXX	3
Palapye Area	49X XXXX	3
Ramotswa/Lobatse Area	53X XXXX	2
Barolong/Ngwaketse Area	54X XXXX	2
Mochudi Area	57X XXXX	2
Jwaneng Area	58X XXXX	2
Molepolole Area	59X XXXX	2
Kasane Area	62X XXXX	5
Ghanzi/Kgalagadi Area	65X XXXX	5
Maun Area	68X XXXX	5

4.4 VOIP NUMBERS

4.4.1 Level 7

The level 7 range of 79 XXX XXX is allocated for VoIP numbering services.

4.5 MOBILE NUMBERS

4.5.1 Level 7 and 8

Levels 7 and part of Level 8 are an eight digits long mobile number range from :
71 XXX XXX to 78 XXX XXX ; and
81 XXX XXX to 85 XXX XXX respectively.

4.6 MACHINE TO MACHINE COMMUNICATIONS (M2M)/IOT

4.6.1 Level 8

The M2M communications is a 10 digit long numbering range that occupies numbering range from 86 XXXX XXXX to 89 XXXX XXXXX and supports the Internet of Things devices.

5. OTHER NUMBERING RESOURCES

5.1   The other numbering resources that enable seamless communications services and these are the known as Codes reference is made to table 5 below. These codes are listed as in the Recommendation ITU-T E.164.

Table 5: Instrumental Codes

Important Codes	Relevance and Use
Country Code (CC)	267
Mobile Country Code (MCC)	652
National Signalling Point Codes	network interconnection purposes
Data Network Interface Code (DNICs)	X25 data networking
Network Colour Codes (NCC)	GSM base station identifiers
Mobile Network Code (MNC)	Public networks
International Signalling Point Code (ISPCs)	International signalling and it uses a 3-8-3 ITU format standard.

5.2   **Mobile Network Code**
There are three (03) Mobile Network Code (MNC) used in the networks of the Mobile Network Operators (MNOs) and these are allocated in accordance with the Recommendation ITU-T E.212. Reference is made to table 6 below.

Table 6: Mobile Network Codes

Mobile Network Codes	Mobile Network Operator
01	Mascom Wireless
02	Orange Botswana
04	BTCL

5.3   **The International Signalling Point Codes**
These codes are used for the international signalling and are represented using a ITU 3-8-3 format. There are currently 6 spare ISPCs for Botswana. The following are assigned codes to Botswana for use as tabulated below.

Table 7: International Signalling Point Codes for Botswana

International Signalling Point Code (ITU 3-8-3 Format)	MNO Assigned
6-104-0	Botswana Telecommunications Corporation Limited (BTCL)
6-104-1	Botswana Telecommunications Corporation Limited (BTCL)
6-104-2	Mascom Wireless
6-104-3	Orange Botswana
6-104-4	Orange Botswana
6-104-5	Botswana Telecommunications Corporation Limited (BTCL)
6-104-6	Botswana Telecommunications Corporation Limited (BTCL)
6-104-7	Mascom Wireless
6-105-0	Mascom Wireless
6-105-1	Mascom Wireless
6-105-2	Spare
6-105-3	Spare
6-105-4	Spare
6-105-5	Spare
6-105-6	Spare
6-105-7	Spare

6. NUMBERING ALLOCATIONS AND ASSIGNMENTS

6.1 Application for Number

6.1.1   All operators of a Public Switched Telephone Network (PSTN), Public Land Mobile Network (PLMN), or a Public Switched Data Network(PSDN), providing, or intending to provide within a specified time, publicly available telephone services, and owning and operating a public telecommunication system, are eligible to apply for primary assignments of telephone numbering capacity, subject to satisfying an eligibility criterion specified in the Numbering Policy, Code of Conduct and other relevant standard specifications such as the International Telecommunications Union's ITU-T Recommendations.

6.1.2   Non-facilities-based service providers may seek a secondary assignment from an eligible service provider unless the Authority advises otherwise. However, secondary assignments shall be made in an efficient and non-discriminatory manner.

6.2 National Number Allocations

6.2.1   The table 8 shows the 8 digits active mobile number allocations across all the three MNOs.

Table 8: Mobile Number Allocations as of August 2023

Mobile Network Operator	Mobile Number Range	Quantity Allocated
Mascom Wireless	71 000 000 – 71 999 999	1,000,000
	74 000 000 – 74 299 999	300,000
	74 500 000 – 74 799 999	300,000
	75 400 000 – 75 699 999	300,000
	75 900 000 – 75 999 999	100,000
	76 000 000 – 76 299 999	300,000
	76 600 000 – 76 799 999	200,000
	77 000 000 – 77 199 999	200,000
	77 600 000 – 77 799 999	200,000
	77 800 000 – 77 899 999	100,000
Orange Botswana	72 000 000 – 72 999 999	1,000,000
	74 300 000 – 74 499 999	200,000
	74 800 000 – 74 899 999	100,000
	75 000 000 – 75 399 999	400,000
	75 700 000 – 75 799 999	100,000
	76 300 000 – 76 599 999	300,000
	76 900 000 – 76 999 999	100,000
	77 300 000 – 77 599 999	300,000
	77 900 000 – 77 999 999	100,000
	78 000 000 – 78 199 999	200,000
	78 200 000 – 78 499 999	300,000
	78 500 000 – 78 799 999	300,000
Botswana Telecommunications Corporation Limited (BTCL)	73 000 000 – 73 999 999	1,000,000
	74 900 000 – 74 999 999	100,000
	75 800 000 – 75 899 999	100,000
	76 800 000 – 76 899 999	100,000
	77 200 000 – 77 299 999	100,000

6.2.2   The table 9 below shows the 8 digits active VoIP numbering allocations made to both the MNOs and the VANs:

Table 9: VoIP Numbers as of August 2023

Service Provider	VoIP Number range	Quantity Allocated
Virtual Business Network Services	79 100 000 – 79 100 999	1,000
AfriTel	79 101 000 – 79 101 999	1,000
Global Broadband Solutions	79 102 000 – 79 102 999	1,000
Business Solutions Consultants	79 103 000 – 79 103 999	1,000
Dimension Data	79 104 000 – 79 104 999	1,000
OPQ Net	79 105 000 – 79 105 999	1,000
Mega Internet	79 106 000 – 79 106 999	1,000
Stature (OpenVoice)	79 107 000 – 79 107 999 79 113 000 – 79 113 999	2,000
Tsagae Communications	79 108 000 – 79 108 999	1,000
MicroTeck Enterprises	79 109 000 – 79 109 999	1,000
Microla Botswana	79 110 000 – 79 110 999	1,000
Internet Options Botswana	79 111 000 – 79 111 999	1,000
FDI Foneworx	79 112 000 – 79 112 999	1,000
MTN Business Solutions	79 114 000 – 79 114 999	1,000
Abari Communications	79 115 000 – 79 115 999	1,000
Mission Communications	79 116 000 – 79 116 999	1,000
ConceroTel	79 117 000 – 79 117 999	1,000
Paratus Africa	79 118 000 – 79 118 999	1,000
Blue Pearl Communications T/A ROI	79 119 000 – 79 119 999	1,000
Dapit Ventures T/A GCSat Botswana	79 120 000 – 79 120 999	1,000
Bantu Telecom	79 121 000 – 79 121 999	1,000
Paratus Africa	79 122 000 – 79 123 999	2,000
Netway Pty Ltd	79 124 000 – 79 125 999	2,000
Apicom Pty Ltd	79 126 000 – 79 126 999	1,000
Devaki Botswana	79 127 000 – 79 127 999	1,000
Liquid Intelligent Technologies	79 128 000 – 79 128 999	1,000
Orange Botswana	79 200 000 – 79 209 999 79 220 000 – 79 229 999	20,000
Botswana Telecommunications Corporation Limited (BTCL)	79 210 000 – 79 219 999	10,000
Mascom Wireless	79 230 000 – 79 279 999	50,000

Note non coloured ranges are licensed SAP

6.2.3   The table 10 below shows the 10 number digits active Machine-to-Machine number allocations:

Table 10: M2M Number Allocations as of August 2023

Mobile Network Operator	M2M Number range	Quantity Allocated
Orange Botswana	89 0000 0000 - 89 0000 9999	10,000
	89 0001 0000 - 89 0001 9999	10,000
	89 0002 0000 - 89 0002 9999	10,000
	89 0003 0000 - 89 0003 9999	10,000
	89 0004 0000 - 89 0004 9999	10,000
	89 0018 0000 - 89 0018 9999	10,000
	89 0019 0000 - 89 0019 9999	10,000
	89 0020 0000 - 89 0020 9999	10,000
	89 0021 0000 - 89 0021 9999	10,000
	89 0022 0000 - 89 0022 9999	10,000
	89 0023 0000 - 89 0023 9999	10,000
	89 0024 0000 - 89 0024 9999	10,000
	89 0025 0000 - 89 0025 9999	10,000
	89 0026 0000 - 89 0026 9999	10,000
	89 0027 0000 - 89 0027 9999	10,000
	89 0028 0000 - 89 0028 9999	10,000
Botswana Telecommunications Corporation Limited (BTCL)	89 0005 0000 - 89 0005 9999	10,000
	89 0006 0000 - 89 0006 9999	10,000
	89 0007 0000 - 89 0007 9999	10,000
	89 0008 0000 - 89 0008 9999	10,000
	89 0009 0000 - 89 0009 9999	10,000
	89 0069 0000 - 89 0069 9999	10,000
Mascom Wireless	89 0010 0000 - 89 0010 9999	10,000
	89 0011 0000 - 89 0011 9999	10,000
	89 0012 0000 - 89 0012 9999	10,000
	89 0013 0000 - 89 0013 9999	10,000
	89 0014 0000 - 89 0014 9999	10,000
	89 0015 0000 - 89 0015 9999	10,000
	89 0016 0000 - 89 0016 9999	10,000
	89 0017 0000 - 89 0017 9999	10,000

Note ALL Allocations made in blocks of 10,000 numbers

6.2.4   The table 11 below shows the 7 number digits active Fixed number allocations:

Table 11: Fixed Number Allocations as of August 2023

Number Blocks	Orange Botswana	Mascom Wireless	BTCL
2XX XXXX	-	60,000	300,000
3XX XXXX	-	60,000	500,000
4XX XXXX	-	30,000	300,000
5XX XXXX	-	60,000	500,000
6XX XXXX	-	30,000	300,000
Sub-Total	-	**240,000**	**1,900,000**

7. CONCLUSION

7.1 The National Numbering Plan is a way of ensuring that:

    7.1.1 The limited numbering resources are used prudently and efficiently and this allows for effective number management. This exercise enables customers to have access to services using numbers without undue expense and inconvenience, and to ensure that all service providers have the numbering resources they need to compete in the rapidly growing telecommunications marketplace with the associated proliferation of new telecommunications technologies and services; and

    7.1.2 There is equity, efficiency, and transparency in the allocation of numbers as this is done objectively within the confines of the CRA Act of 2012.

Contact:

    Botswana Communications Regulatory Authority (BOCRA)
    Plot 50671, Independence Avenue
    Private Bag 00495
    GABORONE
    Botswana
    Tel: +267 395 7755
    Fax: +267 395 7976
    E-mail: technical@bocra.org.bw
    URL: www.bocra.org.bw

Mauritius (country code +230)

Communication of 27.IX.2023:

The *Information and Communication Technologies Authority (ICTA),* Port-Louis, announces that a new number range has been opened in the Republic of Mauritius by the following mobile operator in September 2023.

Operator	Usage of ITU-T E.164 number	Dialling Format
Emtel Ltd.	Non-geographic numbers for Fixed-Mobile Converged (FMC) services	+230 703X XXXX

Contact:

    Mr J. Louis
    Information and Communication Technologies Authority (ICTA)
    Level 12, The Celicourt
    6, Sir Celicourt Antelme Street
    PORT LOUIS
    Mauritius
    Tel: +230 211 5333/4
    Fax: +230 211 9444
    E-mail: info@icta.mu
    URL: www.icta.mu/telecom-numbering/

Morocco (country code +212)

Communication of 25.IX.2023:

The *Agence Nationale de Réglementation des Télécommunications (ANRT)*, Rabat, announces the following updates to the national telephone-numbering plan of Morocco.

Description of introduction of new resource
for national E.164 numbering plan for country code +212:

- new NDCs below have recently been introduced as follows:

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		
8098	9	9	VoIP	Itissalat Al-Maghrib[1]
8099	9	9	VoIP	Itissalat Al-Maghrib

[1] : MAROC TELECOM

Contact:

    Agence Nationale de Réglementation des Télécommunications (ANRT)
    Centre d'affaires
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    B.P. 2939
    RABAT 10100
    Morocco
    Tel: +212 5 37 71 85 64
    E-mail: numerotation@anrt.ma
    URL: www.anrt.ma

Uganda (country code +256)

Communication of 27.IX.2023:

The *Uganda Communications Commission (UCC)*, Kampala, announces the following National Numbering Plan of Uganda.

ITU-T E.164 NATIONAL NUMBERING PLAN FOR COUNTRY CODE 256

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)   Details of numbering scheme

NDC (National Destination Code) or leading digits of N(S)N (National (Significant) Number)	N(S)N Number Length		Usage of ITU-T E.164 Number	Additional information
	Maximum Length	Minimum Length		
200 201	9	9	Fixed telephony services for Airtel Uganda Limited	Network fully operational
20240	9	9	Fixed telephony services for Liquid Intelligent Technologies	Network fully operational
2031	9	9	Fixed telephony services for Talkio Mobile Limited	Network not yet operational
2032	9	9	Fixed telephony services for Echotel Proprietary Uganda Limited	Network fully operational
2050 2051 2052 2053 2054	9	9	Fixed telephony services for Roke Investment International Limited	Network fully operational
20611	9	9	Fixed telephony services for Hamilton Telecom Limited	Network operational
206300 206301 206302 206303 206304	9	9	Fixed telephony services for Simbanet Uganda Limited	Network fully operational
207	9	9	Fixed telephony services for Airtel Uganda Limited	Network fully operational
3	9	9	Fixed telephony services for MTN Uganda Limited	Network is fully operational
4	9	9	Fixed telephony services for Uganda Telecommunication Corporation Limited	Network is fully operational
700 701 702 703 704 705 706 707 708 709	9	9	Mobile telephony services for Airtel Uganda Limited	Network is fully operational

NDC (National Destination Code) or leading digits of N(S)N (National (Significant) Number)	N(S)N Number Length		Usage of ITU-T E.164 Number	Additional information
	Maximum Length	Minimum Length		
710 711 712 713 714 715 716 717 718 719	9	9	Mobile telephony services for Uganda Telecommunication Corporation Limited	Network is fully operational
720	9	9	Mobile telephony services for Smile Communications (U) Ltd	Network is fully operational
7240	9	9	Mobile telephony services for Hamilton Telecom Limited	Network not yet operational
7260	9	9	Mobile telephony services for Tangerine Limited	Network is fully operational
7280	9	9	Mobile telephony services for Talkio Mobile Limited	Network not yet operational
740 741 742 743 744	9	9	Mobile telephony services for Airtel Uganda Limited	Network is fully operational
750 751 752 753 754 755 756 757 758 759	9	9	Mobile telephony services for Airtel Uganda Limited	Network is fully operational
760 761 762 763 764 765 7660 7661 7662 7663 7664	9	9	Mobile telephony services for MTN Uganda Limited	Network is fully operational
770 771 772 773 774 775 776 777 778 779	9	9	Mobile telephony services for MTN Uganda Limited	Network is fully operational

NDC (National Destination Code) or leading digits of N(S)N (National (Significant) Number)	N(S)N Number Length		Usage of ITU-T E.164 Number	Additional information
	Maximum Length	Minimum Length		
780 781 782 783 784 785 786 787 788 789	9	9	Mobile telephony services for MTN Uganda Limited	Network is fully operational

Contact:

Uganda Communications Commission (UCC)
Plot 42-44 Spring Road, Bugolobi
P.O. Box 7376, Kampala, Uganda
Tel: +256 41 433 9000
Fax: +256 41 434 8832
E-mail: ucc@ucc.co.ug
URL: www.ucc.co.ug

Other communications

Austria

Communication of 19.IX.2023:

On the occasion of the 37th anniversary of the "European DX Foundation (EUDXF)", the Austrian Administration authorizes an Austrian amateur station to use the special call sign **OE37EUDYF** from 1 to 30 November 2023.

Communications of 29.IX.2023:

On the occasion of the 40th anniversary of the "AMRS Ortsstelle Wolfsberg ADL 084", the Austrian Administration authorizes an Austrian amateur station to use the special call sign **OE40WO** from 4 October 2023 to 4 April 2024.

On the occasion of the "Bad Ischl - European Capital of Culture 2024", the Austrian Administration authorizes an Austrian amateur station to use the special call sign **OE24BI** from 1 January to 30 June 2024.

Service Restrictions

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

Country/geographical area	*OB*
Seychelles	**1006 (p.13)**
Slovakia	**1007 (p.12)**
Malaysia	**1013 (p.5)**
Thailand	**1034 (p.5)**
São Tomé and Principe	**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 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. 88)

Ireland   ADD

Country/ Geographical area	Company Name/Address	Issuer Identifier Number	Contact	Effective date of usage
Ireland	**Card Centric Ltd** 32 Clanmawr, Shankill D18Y5W0, DUBLIN 18	**89 353 09**	Card Centric Public Relations 32 Clanmawr, Shankill D18Y5W0, DUBLIN 18 Tel: +353 1 442 8656 E-mail: PR@cardcentric.com	1.IX.2023

United States   ADD

Country/ Geographical area	Company Name/Address	Issuer Identifier Number	Contact	Effective date of usage
United States	**Pilot Thomas Logistics** 1051 Mustang Drive GRAPEVINE, TX 76051	**89 1 064**	Joey Huerta Pilot Thomas Logistics, P.O. Box 2136 GRAPEVINE, TX 76099 Tel: +1 432 638 8251 Fax: +1 432 571 8099 E-mail: Joey.Huerta@pilotthomas.com	11.IX.2023

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. 104)

Country/Geographical area	MCC+MNC *	Operator/Network
Canada LIR		
	302 250	Bell Mobility.
Japan ADD		
	441 213	Hokkaido Telecommunication Network Co., Inc..
Uganda ADD		
	641 08	Talkio Mobile Limited.

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*   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. 157)

Country or area/ISO code Company Name/Address	Company Code (carrier code)	Contact
Germany (Federal Republic of) / DEU	**ADD**	
Stadtwerke Saarlouis GmbH Holzendorffer Strasse 12 D-66740 SAARLOUIS	**SWSLS**	Mr Joerg Rink Tel: +49 6831 9596 477 E-mail: rink@swsls.de
DSI GmbH Daten Service Informationssysteme Carolinenstrasse 1 D-01097 DRESDEN	**DSINET**	Mr Thorsten Hellfach Tel.: +49 351 213220 Fax: +49 351 213220 Email: info@dsi.net
Germany (Federal Republic of) / DEU	**LIR**	
BiTel Gesellschaft fuer Telekommunikation mbH Berliner Strasse 260 33330 GUETERSLOH	**BITEL**	Mr Andreas Merschmann Tel: +49 521 51 7764 E-mail: andreas.merschmann@bitel.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. 60)

Country/
Geographical Area

ISPC	DEC	*Unique name of the signalling point*	*Name of the signalling point operator*
Georgia	**SUP**		
3-246-5	8117	Tbilisi, International Exchange	Warid Telecom Georgia Ltd
Georgia	**ADD**		
3-246-5	8117	Tbilisi, Bulk SMS server	Meta 37 LTD
Uganda	**ADD**		
6-132-6	13350	INTL_GW_PC	Talkio Mobile Ltd
6-132-7	13351	INTL_GW_PC_RED	Talkio Mobile Ltd

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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 15.IX.2023, the following countries/geographical areas have updated their national numbering plan on our site:

Country/ Geographical area	*Country Code (CC)*
Bahrain	+973
Guyana	+592
Niue	+683