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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](http://www.itu.int/ITU-T/inr/roa/index.html)

**Approval of ITU-T Recommendations**

By TSB Circular 38 of 15 September 2022, it was announced that the following ITU-T Recommendations were approved in accordance with the procedures outlined in Resolution 1:

– ITU-T X.1352 (09/2022): Security Requirements for Internet of things (IoT) device and gateway

– ITU-T X.1813 (09/2022): Security and monitoring requirements for operation of vertical services supporting ultra-reliability and low latency communication (URLLC) in IMT-2020 private network

– ITU-T X.1814 (09/2022): Security guidelines for IMT-2020 communication system

**Assignment of Signalling Area/Network Codes (SANC)
(Recommendation ITU-T Q.708 (03/99))**

**Note from TSB**

At the request of the Administration of the Sultanate of Oman, the Director of TSB has assigned the following signalling area/network code (SANC) for use in the international part of the signalling system No. 7 network of this country/geographical area, in accordance with Recommendation ITU-T Q.708 (03/99):

|  |  |
| --- | --- |
| *Country*/*geographical area or signalling network* | *SANC* |
| Oman (Sultanate of) | 4-203 |

\_\_\_\_\_\_\_\_\_\_\_\_

SANC: Signalling Area/Network Code.
Code de zone/réseau sémaphore (CZRS).
Código de zona/red de señalización (CZRS).

Telephone Service
(Recommendation ITU-T E.164)

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

**Botswana (country code +267)**

Communication of 9.IX.2022:

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. 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.
	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. 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.
		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.
		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***

* 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)***

* 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)

* 1. **Unique Numbers and Short Code numbers**
		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 allocated the **08XX** numbering range.

* + 1. **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). |

* + 1. **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.

* + 1. **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 |
| Fire | 997 |
| Ambulance | 998 |
| Police | 999 |
| MedRescue International | 911 |
| Medflex | 914 |

* + 1. **Premium Rate Services**

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

* 1. **Fixed Numbers**
		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. These, 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 |

* 1. **VOIP NUMBERS**
		1. **Level 7**

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

* 1. **MOBILE NUMBERS**
		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.

* 1. **MACHINE TO MACHINE COMMUNICATIONS (M2M)/IOT**
		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***

* 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. |

* 1. **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 |

* 1. **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***

* 1. **Application for Number**
		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.
		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.

* 1. **National** **Number Allocations**
		1. The table 8 shows the 8 digits active mobile number allocations across all the three MNOs.

*Table 8: Mobile Number Allocations as of September 2022*

|  |  |  |
| --- | --- | --- |
| *Mobile Network Operator* | *Mobile Number Range* | *Quantity Allocated* |
| Mascom Wireless | 71 000 000 – 71 999 99974 000 000 – 74 299 99974 500 000 – 74 799 99975 400 000 – 75 699 99975 900 000 – 75 999 99976 000 000 – 76 299 99976 600 000 – 76 799 99977 000 000 – 77 199 99977 600 000 – 77 799 99977 800 000 – 77 899 999 | 1,000,000300,000300,000300,000100,000300,000200,000200,000200,000100,000 |
| Orange Botswana | 72 000 000 – 72 999 99974 300 000 – 74 499 99974 800 000 – 74 899 99975 000 000 – 75 399 99975 700 000 – 75 799 99976 300 000 – 76 599 99976 900 000 – 76 999 99977 300 000 – 77 599 99977 900 000 – 77 999 99978 000 000 – 78 199 99978 200 000 – 78 499 999 | 1,000,000200,000100,000400,000100,000300,000100,000300,000100,000200,000300,000 |
| Botswana Telecommunications Corporation Limited (BTCL) | 73 000 000 – 73 999 99974 900 000 – 74 999 99975 800 000 – 75 899 99976 800 000 – 76 899 99977 200 000 – 77 299 999 | 1,000,000100,000100,000100,000100,000 |

* + 1. 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 September 2022*

| *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 99979 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 |
| Stature (Pty) Ltd t/a OpenVoice | 79 113 000 – 79 113 999 | 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 | 1,000 |
| Netway Pty Ltd | 79 124 000 – 79 125 999 | 1,000 |
| Apicom Pty Ltd | 79 126 000 – 79 126 999 | 1,000 |
| Devaki Botswana | 79 127 000 – 79 127 999 | 1,000 |
| Orange Botswana | 79 200 000 – 79 209 99979 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

* + 1. The table 10 below shows the 10 number digits active Machine-to-Machine number allocations:

*Table 10: M2M Number Allocations as of September 2022*

|  |  |  |
| --- | --- | --- |
| *Mobile Network Operator* | *M2M Number range* | *Quantity Allocated* |
| Orange Botswana | 89 0000 0000 - 89 0000 999989 0001 0000 - 89 0001 999989 0002 0000 - 89 0002 999989 0003 0000 - 89 0003 999989 0004 0000 - 89 0004 9999 | 10,00010,00010,00010,00010,000 |
| Botswana Telecommunications Corporation Limited (BTCL) | 89 0005 0000 - 89 0005 999989 0006 0000 - 89 0006 999989 0007 0000 - 89 0007 999989 0008 0000 - 89 0008 999989 0009 0000 - 89 0009 9999 | 10,00010,00010,00010,00010,000 |
| Mascom Wireless | 89 0010 0000 - 89 0010 999989 0011 0000 - 89 0011 999989 0012 0000 - 89 0012 999989 0013 0000 - 89 0013 999989 0014 0000 - 89 0014 999989 0015 0000 - 89 0015 999989 0016 0000 - 89 0016 999989 0017 0000 - 89 0017 9999 | 10,00010,00010,00010,00010,00010,00010,00010,000 |

**Note** ALL Allocations made in blocks of 10,000 numbers

* + 1. The table 11 below shows the 7 number digits active Fixed number allocations:

*Table 11: Fixed Number Allocations as of September 2022*

|  |  |  |  |
| --- | --- | --- | --- |
| *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***

* 1. The National Numbering Plan is a way of ensuring that:
		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
		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.

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**Gibraltar (country code +350)**

##### Communication of 5.IX.2022:

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

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

a) Overview:

 The minimum number length (excluding the country code) is 8 digits.

 The maximum number length (excluding the country code) is 8 digits.

b) Link to the national database (or any applicable list) with assigned ITU-T E.164 numbers within the national numbering plan (if any):

 <https://www.gra.gi/communications/numbering-plan>

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

d) Detail of numbering plan:

|  |  |  |
| --- | --- | --- |
| ***Service*** | ***Operator*** | ***Number Ranges*** |
| Fixed | Gibtelecom | 200 0 0000 – 200 9 9999 |
| u-mee | 222 2 0000 – 222 2 9999222 4 0000 – 222 4 9999222 5 0000 – 225 5 9999222 7 0000 – 222 7 9999 |
| GibFibre | 216 8 0000 – 216 8 4999216 9 0000 – 216 9 4999225 0 0000 – 225 0 9999225 1 0000 – 225 1 4999225 5 0000 – 225 5 4999 |
| Mobile | Gibtelecom | 540 0 0000 – 549 9 9999560 0 0000 – 569 9 9999570 0 0000 – 579 9 9999580 0 0000 – 589 9 9999 |
| GibFibre | 510 0 0000 – 510 9 9999525 0 0000 – 525 0 9999525 1 0000 – 525 1 4999 |

Contact:

Gibraltar Regulatory Authority

Mr Gavin Santos – Communications Regulatory Manager

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Gibraltar, GX11 1AA

Tel: +350 20074636

Fax: +350 20072166

E-mail: communications@gra.gi

URL: www.gra.gi

**Myanmar (country code +95)**

Communication of 2.IX.2022:

The *Ministry of Transport and Communications*, Nay Pyi Taw, announces that the following updated numbering scheme has been withdrawn from the national numbering plan of Myanmar:

*Description of withdrawal of number resources for
national E.164 numbering plan for country code + 95:*

**Auto Exchange Numbering (Geographic)**

| ***Sr No.*** | **Area Code** | **Number series** | **Area** | **Digit Length (including area code)** | **Licensee** | **Date of Number Allocation** | **Date of Number Withdrawal** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| *1* | 1 | 465 xxxx | Yangon | 8 | AGB Communication Co.,Ltd | 1.6.2017 | 9.3.2022 |
| *2* | 1 | 424 xxxx | Yangon | 8 | Fortune International Limited | 14.2.2018 | 23.3.2022 |
| *3* | 2 | 424 xxxx | Mandalay | 8 | Fortune International Limited | 14.2.2018 | 23.3.2022 |
| *4* | 42 | 482 xxxx | Ayeyarwaddy | 9 | Fortune International Limited | 26.11.2018 | 23.3.2022 |
| *5* | 52 | 473 xxxx | Bago | 9 | Fortune International Limited | 26.11.2018 | 23.3.2022 |
| *6* | 53 | 473 xxxx | Pyay | 9 | Fortune International Limited | 26.11.2018 | 23.3.2022 |
| *7* | 57 | 482 xxxx | Mon | 9 | Fortune International Limited | 26.11.2018 | 23.3.2022 |
| *8* | 59 | 471 xxxx | Tanintharyi | 9 | Fortune International Limited | 26.11.2018 | 23.3.2022 |
| *9* | 62 | 473 xxxx | Magway | 9 | Fortune International Limited | 26.11.2018 | 23.3.2022 |
| *10* | 64 | 473 xxxx | Mandalay | 9 | Fortune International Limited | 26.11.2018 | 23.3.2022 |
| *11* | 67 | 471 xxxx | NayPyiTaw | 9 | Fortune International Limited | 26.11.2018 | 23.3.2022 |
| *12* | 1 | 446 xxxx | Yangon | 8 | Yatanarpon Teleport Public Co.,Ltd | 18.12.2018 | 23.3.2022 |
| *13* | 2 | 446 xxxx | Mandalay | 8 | Yatanarpon Teleport Public Co.,Ltd | 18.12.2018 | 23.3.2022 |
| *14* | 85 | 446 xxxx | PyinOoLwin | 9 | Yatanarpon Teleport Public Co.,Ltd | 15.10.2018 | 23.3.2022 |
| *15* | 1 | 473 xxxx | Yangon | 8 | Telenor Myanmar Limited | 31.1.2019 | 6.4.2022 |
| *16* | 2 | 473 xxxx | Mandalay | 8 | Telenor Myanmar Limited | 31.1.2019 | 6.4.2022 |
| *17* | 67 | 473 xxxx | NayPyiTaw | 9 | Telenor Myanmar Limited | 31.1.2019 | 6.4.2022 |
| *18* | 1 | 423 xxxx | Yangon | 8 | Shwe Than Lwin Media Co., Ltd | 31.1.2017 | 9.5.2022 |
| *19* | 1 | 426 xxxx | Yangon | 8 | Myanmar Speed Net Co., Ltd | 1.4.2017 | 21.4.2022 |
| *20* | 2 | 426 xxxx | Mandalay | 8 | Myanmar Speed Net Co., Ltd | 1.4.2017 | 21.4.2022 |

**Non-Geographic Number**

| ***Sr No.*** | **Area Code** | **Number series** | **Area** | **Digit Length (including area code)** | **Licensee** | **Date of Number Allocation** | **Date of Number Withdrawal** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| *1* | 11 | 5000 xxxx | non-geographic | 10 | Shwe Than Lwin Media Co., Ltd | 22.5.2017 | 9.5.2022 |

**Tollfree Number**

| ***Sr No.*** | **Area Code** | **Number series** | **Area** | **Digit Length (including area code)** | **Licensee** | **Date of Number Allocation** | **Date of Number Withdrawal** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| *1* | 800 | 801 (1~9) xxx | non-geographic | 10 | Ooredoo Myanmar Limited | 2.2.2018 | 6.6.2022 |

**Mobile Numbering**

| ***Sr No.*** | **Area Code** | **Number series** | **System** | **Digit Length (including area code)** | **Operator** | **Date of Number Allocation** | **Date of Number Withdrawal** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| *1* | 9 | 878 xxx xxx | WCDMA/GSM | 10 | Myanma Posts and Telecommunications | 29.1.2021 | 9.3.2022 |

Contact:

Ministry of Transport and Communications

Posts and Telecommunications Department (PTD)

Building No. 2,

NAY PYI TAW

Myanmar

Tel: +95 67 3407 225

Fax: +95 67 3407 216

**Senegal (country code +221)**

Communication of 6.IX.2022:

The *Autorité de Régulation des Télécommunications et des Postes (ARTP)*, Dakar, announces the following update of the national numbering plan (NNP) for telephony in Senegal.

*Description of introduction of new resource
for national numbering plan for country code 221:*

| *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* | *Time and date of introduction* |
| --- | --- | --- | --- |
| *Maximum length* | *Minimum length* |
| 7510 | 9 | 9 | Non-geographic number – Mobile telephone service for the mobile virtual network operator (MVNO) SIRIUS TELECOMS AFRIQUE (PROMOBILE) | 1 July 2022 |

*Presentation of national numbering plan
for country code 221:*

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) 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

d) Detail of numbering plan:

| *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* |
| --- | --- | --- | --- |
| *Maximum length* | *Minimum length* |
| 30 | 9 | 9 | Non-geographic number – Fixed telephony service | Operator Expresso Sénégal |
| 32 | 9 | 9 | Non-geographic number – Fixed telephony service | Operator FREE Sénégal |
| 338 | 9 | 9 | Geographic number – Fixed telephony service | Operator SONATEL (Orange), region of Dakar |
| 339 | 9 | 9 | Geographic number – Fixed telephony service | Operator SONATEL (Orange), other regions |
| 36 | 9 | 9 | Non-geographic number – Fixed telephony service | Operator CSU SA (HAYO) |
| 39 | 9 | 9 | Non-geographic number – Fixed telephony service | ADIE |
| 70 | 9 | 9 | Non-geographic number – Mobile telephone service | Operator Expresso Sénégal |
| 72 | 9 | 9 | Non-geographic number – Mobile telephone service | Operator CSU SA (HAYO) |
| 75 | 9 | 9 | Non-geographic number – Mobile telephone service | Dedicated for mobile virtual network operators (MVNO) |
| 76 | 9 | 9 | Non-geographic number – Mobile telephone service | Operator FREE Sénégal |
| 77 | 9 | 9 | Non-geographic number – Mobile telephone service | Operator SONATEL (Orange) |
| 78 | 9 | 9 | Non-geographic number – Mobile telephone service | Operator SONATEL (Orange) |
| 79 | 9 | 9 | Non-geographic number – Mobile telephone service | ADIE |
| 93 | 9 | 9 | Non-geographic number – Fixed Voice over Internet Protocol (VoIP) telephony service | Dedicated for internet service providers (*Fournisseurs d’accès à internet (FAI)*) |

Contact:

Ms Mously Mbacké DIENE and Mr Mamadou Ousmane FAYE

Autorité de Régulation des Télécommunications et des Postes (ARTP)

B.P. 14130

DAKAR PEYTAVIN

Senegal

Tel: +221 33 869 0369 / direct: +221 33 869 03 93

Fax: +221 33 869 0370

E-mail: mously.diene@artp.sn; mamadou.faye@artp.sn

URL: www.artp.sn

**Testing Laboratories recognized by ITU**

According to the [ITU-T Guideline on “Testing Laboratories recognition procedure” (2022)](https://www.itu.int/en/ITU-T/studygroups/com11/casc/Documents/TL-RP_pub_2022-07-15.pdf) and based on the applications received as of 12 September 2022, eight Testing Laboratories, which fulfil the criteria defined in the clause 9 of the above-mentioned ITU-T Guideline, were registered in the ITU Testing Laboratory Database (<https://itu.int/go/tldb>). Any queries can be addressed to conformity@itu.int. More details are available on ITU C&I Portal at: <https://itu.int/go/citest>.

Among recognized testing laboratories are:

| **Testing Laboratory** | **Country** | **Scope of Accreditation (ITU-T Recommendations)** |
| --- | --- | --- |
| Hermon Laboratories Ltd | Israel | K.20; K.21; K.41; K.44; K.45; G.703; G.823; G.991.2; G.992.1; G.992.3 Cor. 3; G.992.5 Cor. 1; G.993.1; G.993.2; P.313; P.340; P.370; P.862; P.862.1; P.863; T.30; T.38; Q.552 |
| Bharat Test House Pvt. Ltd. | India | G.691; G.693; G.694.1; G.695; G.698.3; G.703; G.709; G.783; G.823; G.824; G.825; G.957; G.959.1; G.984.1; G.984.2; G.984.3; G.987.1; G.987.2; G.989.2; G.991.2; G.992.3; G.992.5; G.993.1; G.993.2; G.993.5; G.8251; G.9700; G.9807.1; G.9960; G.9964; Q.23; Q.552; Q.781; Q.782; Q.784; Q.931; Q.1912.5; K.21; O.41; P.313; P.360; T.4; V.34 |
| Sunren Telecom Laboratory | India | G.691; G.693; G.694.1; G.695; G.703; G.712; G.783; G.813; G.821; G.821; G.822; G.823; G.825; G.826; G.957; G.959.1; G.984.1; G.984.2; G.984.3; G.987.2; G.989.2; G.992; G.993; G.8251; G.9700; G.9807.1; Q.440; Q.441; Q.442; Q.552; Q.781; Q.782; Q.783; Q.784; Q.931; K.20; K.21; K.44; K.45; O.172; P.57; P.76; P.79; T.4; T.22; V.34; V.90. |
| CETECOM GmbH | Germany | P.1140 |
| AA Electro Magnetic Testing Laboratory | India | G.691; G.693; G.695.1; G.703; G.707; G.709; G.783; G.821; G.822; G.823; G.824; G.825; G.826; G.957; G.959.1; G.987.2; G.8251; G.9807.1; Q.23; Q.552; Q.931; K.20; K.21; K.43; K.44; K.45; K.48; K.60; K.63; I.431; Y.1322 |
| Compliance International Telecom Laboratories (A unit of Compliance International Pvt. Ltd.) | India | G.691; G.693; G.694.1; G.695; G.698.3; G.703; G.707; G.709; G.732; G.751; G.783; G.821; G.822; G.823; G.824; G.825; G.826; G.828; G.957; G.959.1; G.984.1; G.984.2; G.984.3; G.987.1; G.987.2; G.989.2; G.8251; G.9807.1; Q.23; Q.552; Q.781; Q.782; Q.783; Q.784; Q.931 |
| Telecommunication Technology Labs, CAICT | China | G.650.1; G.650.2; G.650.3; G.651.1; G.652; G.653; G.654; G.655; G.656; G.657; G.661; G.664; G.671; G.691; G.692; G.693; G.694.1; G.694.2; G.695; G.697; G.698.1; G.698.2; G.703; G.704; G.707; G.709; G.712; G.752; G.781; G.783; G.784; G.813; G.823; G.824; G.825; G.826; G.841; G.873.1; G.873.2; G.957; G.959.1; G.961; G.984.1; G.984.2; G.984.3; G.984.4; G.987.1; G.987.2; G.987.3; G.988; G.989.2; G.989.3; G.992.1; G.992.3; G.992.5; G.993.1; G.993.2; G.993.5; G.7712; G.7713; G.7713.2; G.7714; G.7714.1; G.7715; G.7718; G.8011; G.8110.1; G.8112; G.8113.1; G.8131; G.8132; G.8151; G.8152; G.8201; G.8251; G.8261; G.8262; G.8264; G.8272; G.8273.2; G.8275.1; G.9700; G.9807.1; G.9807.2; G.9960; G.9961; G.9964; G.Suppl.43; Q.521; Q.552; Q.764; Q.781; Q.782; Q.783; Q.784; Q.785; Q.921; Q.931; Q.1912.5; H.245; H.248.1; H.264; H.265; H.323; E.180; I.431; K.20; K.21; K.44; K.45; L.10; L.13; L.26; L.43; L.87; P.310; P.342; P.863; P.1203; M.2100; T.621; V.24; V.36; Y.1564; Y.1711; Y.1720; Y.1731 |
| Ke Mei Ou Lab Co., Ltd. | China | G.703; G.823; G.992.1; G.992.2; G.992.3; G.992.4; G.992.5; G.993.1; G.991.2; G.993.2;Q.552; I.430; K.20; K.21; K.44; K.45; P.340; P313; P360; P.370 |

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 Ship Stations and Maritime Mobile
Service Identity Assignments
(List V)
Edition of 2022

Section VI

**REP**

**JP04**  BS Japan Co., Ltd., 3-8, Nihonbashi 1-Chome,

 Chuo-Ward, Tokyo 103, Japan.

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 Fax: +81 3 3281-5263,

 Contact Persons: Ryuichi Tsuhako, Eriko Shimada.

**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. 81)

|  |  |  |
| --- | --- | --- |
| ***Country/Geographical area*** | ***MCC+MNC \**** | ***Operator/Network*** |
| **Hungary ADD** |  |  |
| 216 20 | Yettel Hungary 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 Signalling Area/Network Codes (SANC)
(Complement to Recommendation ITU-T Q.708 (03/1999))
(Position on 1 June 2017)

(Annex to ITU Operational Bulletin No. 1125 – 1.VI.2017)
(Amendment No. 22)

|  |
| --- |
| **Numerical order ADD** |
|  | 4-203 | Oman (Sultanate of) |

|  |
| --- |
| **Alphabetical order ADD** |
|  | 4-203 | Oman (Sultanate of) |

\_\_\_\_\_\_\_\_\_\_\_\_

SANC: Signalling Area/Network Code.

 Code de zone/réseau sémaphore (CZRS).

 Código de zona/red de señalización (CZRS).

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. 43)

|  |  |  |
| --- | --- | --- |
| Country/ Geographical Area | Unique name of the signalling point | Name of the signalling point operator |
| ISPC | DEC |
| **Oman ADD** |
| 4-045-4 | 8556 | MUMSC1 | Vodafone |
| 4-045-5 | 8557 | MUMGW1 | Vodafone |
| 4-045-7 | 8559 | 204170 | Awasr |
| 4-202-0 | 9808 | BSMSC1 | Vodafone |
| 4-202-1 | 9809 | BSMGW1 | Vodafone |
| 4-202-2 | 9810 | Muscat Messaging Hub | Omantel |
| 4-202-3 | 9811 | SEEB vSTP | Omantel |
| 4-202-4 | 9812 | TCC vSTP DRA | Omantel |

\_\_\_\_\_\_\_\_\_\_\_\_

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 1.IX.2022, the following countries/geographical areas have updated their national numbering plan on our site:

|  |  |
| --- | --- |
| *Country/ Geographical area* | *Country Code (CC)* |
| Syrian Arab Republic | +963 |
| United Kingdom | +44 |