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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.

- 1295 List of International Signalling Point Codes (ISPC) (According to Recommendation ITU-T Q.708 (03/1999)) (Position on 1 July 2024)
- 1293 List of Signalling Area/Network Codes (SANC) (Complement to Recommendation ITU-T Q.708 (03/1999)) (Position on 1 June 2024)
- 1283 List of Issuer Identifier Numbers (In accordance with Recommendation ITU-T E.118 (05/2006)) (Position on 31 December 2023)
- 1280 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 November 2023)
- 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)
- 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-10, 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 F.740.9 (03/2025): Requirements for enabling VR services based on IPTV architecture
- ITU-T F.740.10 (03/2025): Requirements and procedure for cultural data annotation
- ITU-T F.740.11 (03/2025): Requirements and framework of cloud-based augmented reality systems
- ITU-T F.742 (V2) (03/2025): Service description and requirements for distance learning services
- ITU-T F.743.29 (03/2025): Requirements and framework of model generalization system in intelligent video surveillance
- ITU-T F.743.30 (03/2025): Architecture for cloud computing platform supporting a video surveillance system
- ITU-T F.743.31 (03/2025): Requirements for multimedia data asset development and operations
- ITU-T F.743.32 (03/2025): Framework for multimedia data asset valuation
- ITU-T F.747.16 (03/2025): Requirements for 3D machine vision-based surface defect detection service of industrial products
- ITU-T F.748.6 (03/2025): Requirements and framework for interactive multimedia communication system of Internet of thing (IoT) devices
- ITU-T F.748.41 (03/2025): Technical requirements and evaluation methods of AI-based driver behaviour detection application
- ITU-T F.748.42 (03/2025): Requirements and framework for virtual tactile interaction systems
- ITU-T F.748.43 (03/2025): Framework and requirements for the foundation model platform
- ITU-T F.748.44 (03/2025): Assessment criteria for foundation models: Benchmark
- ITU-T F.748.45 (03/2025): Technical requirements and evaluation methods of AI based code generation in multimedia applications
- ITU-T F.748.46 (03/2025): Requirements and evaluation methods of artificial intelligence agents based on large scale pre-trained model
- ITU-T F.748.47 (03/2025): Functional requirements for artificial intelligence development within the AI cloud platform: Automated machine learning
- ITU-T F.748.48 (03/2025): Technical specification for artificial intelligence cloud platform: AI model deployment
- ITU-T F.748.49 (03/2025): Architecture and protocols of multi-algorithm scheduling systems
- ITU-T F.748.50 (03/2025): Framework and requirements of digital human access interfaces
- ITU-T F.748.51 (03/2025): Requirements for artificial intelligence based tactile rendering system in multimedia terminals
- ITU-T F.748.52 (03/2025): Requirements and evaluation methods for retrieval augmented generation of large scale pre-trained model
- ITU-T F.748.53 (03/2025): Representation and compression methods of artificial intelligence models
- ITU-T F.748.55 (03/2025): Technical requirements and evaluation methods of robotic process automation system
- ITU-T F.751.23 (03/2025): Framework and requirements for distributed ledger technology interoperability
- ITU-T F.751.24 (03/2025): Framework and requirements for authorization services based on distributed ledger technology
- ITU-T F.751.25 (03/2025): Framework and requirements for distributed ledger technology-based demand response in smart grid
- ITU-T F.751.26 (03/2025): Framework and requirements for distributed ledger technology-based energy storage sharing
- ITU-T F.751.27 (03/2025): Framework for distributed ledger technology-based multimedia data asset service

- ITU-T F.760.3 (03/2025): Metadata for disaster information presentation with human factors
- ITU-T F.780.6 (03/2025): Requirements on colorimetry for telemedicine systems using ultra-high definition imaging
- ITU-T F.792 (03/2025): Requirements on accessible moveable communication systems in rural and out-of-home environments
- ITU-T G.9960 (2023) Amd. 2
- ITU-T H.626.8 (03/2025): Protocols for feature-based distributed intelligent systems
- ITU-T H.862.8 (03/2025): Requirements and framework of occupational health service platform
- ITU-T J.1041 (03/2025): Digital rights management for video and audio content distribution - System Architecture
- ITU-T J.1042 (03/2025): Digital rights management for video and audio content distribution - Client
- ITU-T J.1305 (2023) Cor. 2 (03/2025)
- ITU-T J.1306 (2023) Cor. 2 (03/2025)
- ITU-T J.1312 (03/2025): Infrastructure architecture requirements for cloud gaming service
- ITU-T M.3042 (03/2025): Framework of communication network health evaluation
- ITU-T M.3110.1 (03/2025): X-interface for management of shared network resources - Protocol neutral requirements
- ITU-T M.3111.1 (03/2025): X interface between telecom operation system and internet e-commerce platform - Protocol neutral requirements
- ITU-T M.3167.1 (03/2025): Interface for robot-based on-site smart patrol of telecommunication networks - Protocol neutral requirements
- ITU-T M.3370 (03/2025): Telecommunication preventive maintenance task - Overview
- ITU-T M.3389 (03/2025): Requirements for artificial intelligence-based customer experience management of telecom services
- ITU-T M.3390 (03/2025): Requirements for smart comprehensive analysis within artificial intelligence enhanced telecom operation and management (AITOM)
- ITU-T M.3391 (03/2025): Requirements for smart maintenance of telecommunications infrastructure based on unmanned aerial vehicles
- ITU-T M.3392 (03/2025): Requirement for telecommunications service design within smart operation, management and maintenance (SOMM)
- ITU-T M.3411 (03/2025): User identity and access management requirements for telecommunications management network
- ITU-T T.815 (V3) (03/2025): Information technology - JPEG 2000 image coding system: Enhanced encapsulation of JPEG 2000 images into ISO/IEC 14496-12
- ITU-T T.840.1 (03/2025): Information technology - JPEG AI learning-based image coding system: Core coding system

By TSB Circular 34 of 25 March 2025, it was announced that the following ITU-T Recommendation was approved in accordance with the procedures outlined in Resolution 1:

- ITU-T Q.5054 (02/2025): Consumer centric framework for combating counterfeit and stolen ICT mobile devices

By TSB Circular 38 of 27 March 2025, it was announced that the following ITU-T Recommendations were approved in accordance with the procedures outlined in Resolution 1:

- ITU-T Y.2348 (03/2025): Functional architecture of network resource sharing based on distributed ledger technology
- ITU-T Y.3211 (03/2025): Fixed, mobile and satellite convergence - Requirements of supporting airborne broadband communication for IMT-2020 networks and beyond

The International Public Telecommunication Numbering Plan (Recommendation ITU-T E.164)

Note from TSB

Following the decisions reached at ITU-T Study Group 2 meeting in February 2025, Geneva, the Director of the TSB has redesignated the Country Code (CC) (Recommendation ITU-T E.164) 883 as a shared CC for IoT/M2M. This amendment does not impact any current assignment of numbering resources from this range.

Note from TSB

Identification codes for IoT/M2M

Associated with shared country code 883 for IoT/M2M, the following three-digit identification code has been **transferred**:

<i>Applicant</i>	<i>Network</i>	<i>Country Code and Identification Code</i>	<i>Date of transfer of assignment</i>
KORE Wireless (Formerly Twilio Inc.)	KORE Wireless (Formerly Twilio Inc.)	+883 260	24.III.2025

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

Note from TSB

Identification codes for International Mobile Networks

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

<i>Network</i>	<i>Mobile Country Code (MCC) and Mobile Network Code (MNC)</i>	<i>Date of transfer of assignment</i>
KORE Wireless (Formerly Twilio Inc.)	901 62	24.III.2025

The international telecommunication charge card (Recommendation ITU-T E.118)

Note from TSB

Global Issuer Identifier Number

The following global Issuer Identifier Number has been **transferred**.

<i>Company Name/Address</i>	<i>Issuer Identifier Number</i>	<i>Contact</i>	<i>Date of transfer of assignment</i>
KORE Wireless (Formerly Twilio Inc.) 3 Ravinia DR Suite 300 ATLANTA, GA 30346 (United States)	89 883 07	KORE Headquarters 3 Ravinia Drive, Floor 5, ATLANTA, GA (United States) Tel: +1 877 710 5673 E-mail: peberling@korewireless.com	24.III.2025

Data Transmission Service (Recommendation ITU-T X.121 (10/2000))

International numbering plan for public data networks

Spain

Communication of 14.III.2025:

The *Secretaría de Estado de Telecomunicaciones e Infraestructuras Digitales*, Madrid, announces the **withdrawal**, on 28 February 2025, of Data Network Identification Code (DNIC) **214 1** to the network “Telefónica de España, S.A.U. (formerly Nodo internacional de datos)”.

Accordingly, the following Data Network Identification Codes (DNIC) and network names are in use in Spain:

Country/Area	DNIC No.	Name of network to which a DNIC is allocated
1	2	3
ESPAGNE	214 0	Administración Pública
SPAIN	214 2	RETEVISIÓN
ESPAÑA	214 5	Red IBERPAC
	214 7	France Telecom Redes y Servicios
	214 9	MegaRed

For further information, please contact:

Secretaría de Estado de Telecomunicaciones e Infraestructuras Digitales
C/ Poeta Joan Maragall, 41
28071 MADRID
Spain
URL: <https://avance.digital.gob.es>

Telephone Service (Recommendation ITU-T E.164)

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

Botswana (country code +267)

Communication of 27.III.2025:

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

1. NATIONAL NUMBERING PLAN (NNP)

1.1. The National Numbering Plan is pictorially 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)

1.2. Unique Numbers and Short Code numbers

1.2.1. 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.

1.2.2. 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).

1.2.3. 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.

1.2.4. Levels 1 and 9 - Emergency Numbers

Level 1 and part of level 9 are used for the emergency services. 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	998
Ambulance	997
Police	999
MedRescue International	911
Medflex	914
Life Flight Rescue	929
Assisted Living Solutions (Proprietary) Limited	990
Angels Medical Rescue	910

1.2.5. Premium Rate Services

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

1.3. Fixed Numbers

1.3.1. 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.

Table 4: Fixed numbers by the geographical location

<i>Geographical Area</i>	<i>Number range</i>	<i>Zone</i>
Francistown Area	23X XXXX- 24X XXXX	4
Selebi-Phikwe Area	25X XXXX- 26X XXXX	4
Letlhakane/Orapa Area	27X XXXX- 29X XXXX	4
Gaborone Area	3XX XXXX	1
Serowe Area	45X XXXX- 46X XXXX	3
Mahalapye Area	47X XXXX	3
Palapye Area	48X XXXX- 49X XXXX	3
Ramotswa/Lobatse Area	52X XXXX- 53X XXXX	2
Barolong/Ngwaketse Area	54X XXXX- 55X XXXX	2
Mochudi Area	56X XXXX- 57X XXXX	2
Jwaneng Area	58X XXXX	2
Molepolole Area	59X XXXX	2
Kasane Area	60X XXXX- 62X XXXX	5
Ghanzi/Kgalagadi Area	63X XXXX- 65X XXXX	5
Maun Area	66X XXXX- 68X XXXX	5

1.4. MOBILE AND VOIP NUMBERS

1.4.1. Level 7 and 8

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

1.5. MACHINE TO MACHINE COMMUNICATIONS (M2M)/IOT

1.5.1. Level 8

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

2. OTHER NUMBERING RESOURCES

- 2.1 There are 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

<i>Important Codes</i>	<i>Relevance and Use</i>
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.

2.2 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

<i>Mobile Network Codes</i>	<i>Mobile Network Operator</i>
01	Mascom Wireless
02	Orange Botswana
04	Botswana Telecommunications Corporation Limited (BTCL)

2.3 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

<i>International Signalling Point Code (ITU 3-8-3 Format)</i>	<i>MNO Assigned</i>
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

3. NUMBERING ALLOCATIONS AND ASSIGNMENTS

3.1 National Number Allocations

3.1.1 The table 8 shows the eight (8) digits active mobile number allocations across all the three MNOs.

Table 8: Mobile Number Allocations as of March 2025

Service Provider	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
	79 230 000 – 79 279 999	50,000
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
	79 200 000 – 79 209 999	10,000
	79 220 000 – 79 229 999	10,000
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
	79 210 000 – 79 219 999	10,000
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	2,000
	79 113 000 – 79 113 999	
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

<i>Service Provider</i>	<i>Mobile Number Range</i>	<i>Quantity Allocated</i>
Abari Communications	79 115 000 – 79 115 999	1,000
Mission Communications	79 116 000 – 79 116 999	1,000
Cene (Pty) Ltd t/a Cene Media	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
	79 134 000 – 79 138 999	5,000
Liquid Intelligent Technologies	79 128 000 – 79 128 999	1,000
Par Telecommunication (Pty) Ltd	79 129 000 – 79 133 999	5,000

3.1.2 The table 9 below shows the ten (10) number digits active Machine-to-Machine number allocations:

Table 9: M2M Number Allocations as of March 2025

<i>Service Provider</i>	<i>M2M Number range</i>	<i>Quantity Allocated</i>
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
	89 0029 0000 - 89 0029 9999	10,000
	89 0030 0000 - 89 0030 9999	10,000
	89 0031 0000 - 89 0031 9999	10,000

<i>Service Provider</i>	<i>M2M Number range</i>	<i>Quantity Allocated</i>
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

3.1.3 The table 10 below shows the seven (7) number digits active Fixed number allocations:

Table 10: Fixed Number Allocations as of March 2025

<i>Number Blocks</i>	<i>Orange Botswana</i>	<i>Mascom Wireless</i>	<i>Botswana Telecommunications Corporation Limited (BTCL)</i>
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

4. CONCLUSION

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

4.1.1 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

4.1.2 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: info@bocra.org.bw
URL: www.bocra.org.bw

Morocco (country code +212)

Communication of 25.III.2025:

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
	<i>Maximum length</i>	<i>Minimum length</i>		
786	9	9	Mobile services 2G/3G/4G	Médi Telecom ¹
787	9	9	Mobile services 2G/3G/4G	Médi Telecom

¹ ORANGE

Contact:

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

Myanmar (country code +95)

Communication of 26.III.2025:

The *Ministry of Transport and Communications*, Nay Pyi Taw, announces the withdrawal of the following auto exchange numbering scheme in the national numbering plan of Myanmar:

Auto Exchange Numbering (Geographic)

<i>Sr No.</i>	<i>Area Code</i>	<i>Number Series</i>	<i>Area</i>	<i>Digit Length (including area code)</i>	<i>Licensee</i>	<i>Date of Number Allocation</i>	<i>Date of Number Withdrawal</i>
1	1	425 xxxx	Yangon	8	Campana Mythic Co.,Ltd	7.7.2020	22.3.2025

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
E-mail: dg@ptd.gov.mm

Other communication

Austria

Communication of 13.III.2025:

On the occasion of the "5th European Robotics Hackathon: EnRich 2025 (AKW Zwentendorf)" the Austrian Administration authorizes an Austrian amateur station to use the special call sign **OE25ROBOT** from 1 May to 15 July 2025.

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)
Türkiye	1286 (p.17)
Bangladesh	1287 (p.16)

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 International Monitoring Stations (List VIII) Edition of 2022

(Amendment No. 3)

PART I

STATIONS IN THE TERRESTRIAL RADIOCOMMUNICATION SERVICES

E – Spain

MOD (Centralizing office)

Centralizing office	Postal address	Telephone, Telefax, Electronic-mail	Remarks
Subdirección General de Inspección de las Telecomunicaciones e Infraestructuras Digitales Secretaría General de Telecomunicaciones y Ordenación de los Servicios de Comunicación Audiovisual	C/ Poeta Joan Maragall 41 Planta 9.ª 28071 Madrid Spain	PHONE: +34 91 3462605 TELEFAX: +34 91 3461567 EMAIL: cter@economia.gob.es	

P 1 MOD by alphabetical order

Station: El Casar (IMS)

Name of the station	Postal address	Telephone, Telefax, Electronic-mail
El Casar (IMS)	Cno. Ribatejada, s/n 19170 El Casar (Guadalajara) Spain	PHONE: +34 91 3462553 PHONE: +34 91 3462617 EMAIL: SPascual@economia.gob.es EMAIL: zaida.sierra@economia.gob.es

Geographical coordinates	Types of measurements	Ranges of frequencies for each measurement	Hours of service (UTC)	Remarks
40°41'40"N 003°25'00"W	Frequency measurements	10 kHz - 30 MHz	HX	GPS-referenced frequency pattern.
40°41'40"N 003°25'00"W	Field strength or power flux-density measurements	10 kHz - 30 MHz	HX	
40°41'40"N 003°25'00"W	Direction-finding measurements	1 MHz - 30 MHz	HX	Circular network of 9 double-square elements. Interferometric system.
40°41'40"N 003°25'00"W	Bandwidth measurements	10 kHz - 30 MHz	HX	
40°41'40"N 003°25'00"W	Automatic spectrum occupancy surveys	10 kHz - 30 MHz	HX	

Station: **La Esperanza (IMS)**

Name of the station	Postal address	Telephone, Telefax, Electronic-mail
La Esperanza (IMS)	C/ La Marina, 20-5° 38071 Tenerife Spain	PHONE: +34 91 3462553 PHONE: +34 91 3462617 EMAIL: SPascual@economia.gob.es EMAIL: zaida.sierra@economia.gob.es

Geographical coordinates	Types of measurements	Ranges of frequencies for each measurement	Hours of service (UTC)	Remarks
28°27'23"N 016°22'45"W	Frequency measurements	10 kHz - 30 MHz	HX	GPS-referenced frequency pattern.
28°27'23"N 016°22'45"W	Field strength or power flux-density measurements	10 kHz - 30 MHz	HX	
28°27'23"N 016°22'45"W	Direction-finding measurements	1 MHz - 30 MHz	HX	Circular network of 9 double-square elements. Interferometric system.
28°27'23"N 016°22'45"W	Bandwidth measurements	10 kHz - 30 MHz	HX	
28°27'23"N 016°22'45"W	Automatic spectrum occupancy surveys	10 kHz - 30 MHz	HX	

EGY – Egypt

MOD (Centralizing office)

Centralizing office	Postal address	Telephone, Telefax, Electronic-mail	Remarks
National Telecommunication Regulatory Authority	B4 Smart Village Km 28 Alex - Cairo Desert Road P.O. Box 40 Giza	PHONE: +202 35344666 TELEFAX: +202 35344155 EMAIL: melbashary@tra.gov.eg	

MOD by alphabetical order

Station: **Giza**

Name of the station	Postal address	Telephone, Telefax, Electronic-mail
Giza	B4 Smart Village Km 28 Alex - Cairo Desert Road P.O. Box 40 Giza Egypt	PHONE: +202 35344630 TELEFAX: +202 35344155 EMAIL: welkhalafawy@tra.gov.eg

Geographical coordinates	Types of measurements	Ranges of frequencies for each measurement	Hours of service (UTC)	Remarks
30°01'20"N 031°12'33"E	Frequency measurements	10 kHz - 30 MHz	H24	
30°01'20"N 031°12'33"E	Direction-finding measurements	10 kHz - 30 MHz	H24	Adcock.
30°01'20"N 031°12'33"E	Bandwidth measurements	10 kHz - 30 MHz	H24	
30°01'20"N 031°12'33"E	Automatic spectrum occupancy surveys	10 kHz - 30 MHz	H24	

ROU – Romania

MOD (Centralizing office)

Centralizing office	Postal address	Telephone, Telefax, Electronic-mail	Remarks
National Authority for Management and Regulation in Communications of Romania - ANCOM Executive Directorate for Monitoring and Control	2, Delea Noua Street 030925 Bucharest 3 Romania	PHONE: +40 372 845400 TELEFAX: +40 372 845402 EMAIL: ancom@ancom.ro	

ADD by alphabetical order

Station: SMG Constanta (IMS)

Name of the station	Postal address	Telephone, Telefax, Electronic-mail
SMG Constanta (IMS)	Remote Monitoring Station Cumpana Romania	PHONE: +40 372 845318 PHONE: +40 372 845508 EMAIL: iulian.mihalcea@ancom.ro EMAIL: liviu.birsan@ancom.ro

Geographical coordinates	Types of measurements	Ranges of frequencies for each measurement	Hours of service (UTC)	Remarks
44°08'01"N 028°36'25"E	Frequency measurements	20 MHz - 6 GHz	0600-1400 (MON-THU) 0600-1130	Hours of service from Monday to Thursday: 0900-1700 h (local time). Friday: 0900-1430 h (local time). Remotely controlled monitoring station. Height of antenna: 57 m.
44°08'01"N 028°36'25"E	Field strength or power flux-density measurements	20 MHz - 6 GHz	0600-1400 (MON-THU) 0600-1130	Remotely controlled monitoring station. Hours of service from Monday to Friday (local time).
44°08'01"N 028°36'25"E	Direction-finding measurements	20 MHz - 6 GHz	0600-1400 (MON-THU) 0600-1130	Remotely controlled monitoring station. Hours of service from Monday to Thursday: 0900-1700 h (local time). Friday: 0900-1430 h (local time).

Geographical coordinates	Types of measurements	Ranges of frequencies for each measurement	Hours of service (UTC)	Remarks
				<p>8-element circular antenna array for reception and direction finding of vertically polarized waves in the frequency range 1300 MHz to 6000 MHz.</p> <hr/> <p>If necessary, measurements are carried out by mobile monitoring stations (van), on request, all over Romanian territory. Hours of service from Monday to Thursday: 0900-1700 h (local time). Friday: 0900-1430 h (local time).</p> <hr/> <p>9-element circular antenna array with quadrature multiplexer for signal processing with a single receiver in the frequency range 20 MHz to 1300 MHz (horizontal and vertical polarization).</p> <hr/> <p>Correlative.</p>
44°08'01"N 028°36'25"E	Bandwidth measurements	20 MHz - 6 GHz	0600-1400 (MON-THU) 0600-1130	<p>Hours of service from Monday to Thursday: 0900-1700 h (local time). Friday: 0900-1430 h (local time).</p> <hr/> <p>Remotely controlled monitoring station.</p> <hr/> <p>An electronic result (.jpg for waterfall plots and .xls for field strengths) is available upon request.</p>
44°08'01"N 028°36'25"E	Automatic spectrum occupancy surveys	20 kHz - 6 GHz	0600-1400 (MON-THU) 0600-1130	<p>On request.</p> <hr/> <p>All days of week.</p> <hr/> <p>An electronic result (.jpg for waterfall plots and .xls for field strengths) is available upon request.</p>

MOD by alphabetical orderStation: **HF Belciugatele (IMS)**

Name of the station	Postal address	Telephone, Telefax, Electronic-mail
HF Belciugatele (IMS)	Remote Monitoring Station Calarasi Region Romania	PHONE: +40 372 845020 PHONE: +40 372 845508 EMAIL: andrei.zancu@ancom.ro EMAIL: iulian.mihalcea@ancom.ro

Geographical coordinates	Types of measurements	Ranges of frequencies for each measurement	Hours of service (UTC)	Remarks
44°28'39"N 026°24'16"E	Frequency measurements	9 kHz - 30 MHz	0600-1400 (MON-THU) 0600-1130	Hours of service from Monday to Thursday: 0900-1700 h (local time). Friday: 0900-1430 h (local time). <hr/> Remotely controlled monitoring station. Height of antenna: 12 m.
44°28'39"N 026°24'16"E	Field strength or power flux-density measurements	9 kHz - 30 MHz	0600-1400 (MON-THU) 0600-1130	Hours of service from Monday to Friday (local time). <hr/> Remotely controlled monitoring station.
44°28'39"N 026°24'16"E	Direction-finding measurements	2 MHz - 30 MHz	0600-1400 (MON-THU) 0600-1130	Remotely controlled monitoring station. Hours of service from Monday to Thursday: 0900-1700 h (local time). Friday: 0900-1430 h (local time). <hr/> Hours of service from Monday to Thursday: 0900-1700 h (local time). Friday: 0900-1430 h (local time). <hr/> 9-element DF antenna array with HF DF Switch / signal processing with a single receiver with two channels in the tuner (one is used for sample channel and one for the reference channel) in the frequency range 2 MHz to 30 MHz (vertical polarization).

Geographical coordinates	Types of measurements	Ranges of frequencies for each measurement	Hours of service (UTC)	Remarks
44°28'39"N 026°24'16"E	Bandwidth measurements	9 kHz - 30 MHz	0600-1400 (MON-THU) 0600-1130	Remotely controlled monitoring station. Hours of service from Monday to Thursday: 0900-1700 h (local time). Friday: 0900-1430 h (local time). An electronic result (.txt/.pdf for bandwidth measurements) is available upon request.
44°28'39"N 026°24'16"E	Automatic spectrum occupancy surveys	9 kHz - 30 MHz	H24	On request. All days of week. An electronic result (.txt/.pdf for field strengths/percentage of occupancy) is available upon request.

Station: **SMG Craiova (IMS)**

Name of the station	Postal address	Telephone, Telefax, Electronic-mail
SMG Craiova (IMS)	Remote Monitoring Station Carligei Romania	PHONE: +40 372 845318 PHONE: +40 372 845508 EMAIL: iulian.mihalcea@ancom.ro EMAIL: liviu.birsan@ancom.ro

Geographical coordinates	Types of measurements	Ranges of frequencies for each measurement	Hours of service (UTC)	Remarks
44°17'05"N 023°44'58"E	Frequency measurements	20 MHz - 6 GHz	0600-1400 (MON-THU) 0600-1130	Hours of service from Monday to Thursday: 0900-1700 h (local time). Friday: 0900-1430 h (local time). Remotely controlled monitoring station. Height of antenna: 27 m.
44°17'05"N 023°44'58"E	Field strength or power flux-density measurements	20 MHz - 6 GHz	0600-1400 (MON-THU) 0600-1130	Hours of service from Monday to Friday (local time). Remotely controlled monitoring station.

Geographical coordinates	Types of measurements	Ranges of frequencies for each measurement	Hours of service (UTC)	Remarks
44°17'05"N 023°44'58"E	Direction-finding measurements	20 MHz - 6 GHz	0600-1400 (MON-THU) 0600-1130	<p>Remotely controlled monitoring station. Hours of service from Monday to Thursday: 0900-1700 h (local time). Friday: 0900-1430 h (local time).</p> <hr/> <p>8-element circular antenna array for reception and direction finding of vertically polarized waves in the frequency range 1300 MHz to 6000 MHz.</p> <hr/> <p>If necessary, measurements are carried out by mobile monitoring stations (van), on request, all over Romanian territory. Hours of service from Monday to Thursday: 0900-1700 h (local time). Friday: 0900-1430 h (local time).</p> <hr/> <p>9-element circular antenna array with quadrature multiplexer for signal processing with a single receiver in the frequency range 20 MHz to 1300 MHz (horizontal and vertical polarization).</p> <hr/> <p>Correlative.</p>
44°17'05"N 023°44'58"E	Bandwidth measurements	20 MHz - 6 GHz	0600-1400 (MON-THU) 0600-1130	<p>Remotely controlled monitoring station.</p> <hr/> <p>Hours of service from Monday to Thursday: 0900-1700 h (local time). Friday: 0900-1430 h (local time).</p> <hr/> <p>An electronic result (.jpg for waterfall plots and .xls for field strengths) is available upon request.</p>
44°17'05"N 023°44'58"E	Automatic spectrum occupancy surveys	20 kHz - 6 GHz	H24	<p>On request.</p> <hr/> <p>All days of week.</p> <hr/> <p>An electronic result (.jpg for waterfall plots and .xls for field strengths) is available upon request.</p>

Station: **SMG Galati (IMS)**

Name of the station	Postal address	Telephone, Telefax, Electronic-mail
SMG Galati (IMS)	Remote Monitoring Station Odaia Conachi Romania	PHONE: +40 372 845318 PHONE: +40 372 845508 EMAIL: iulian.mihalcea@ancom.ro EMAIL: liviu.birsan@ancom.ro

Geographical coordinates	Types of measurements	Ranges of frequencies for each measurement	Hours of service (UTC)	Remarks
45°33'15"N 027°59'05"E	Frequency measurements	20 MHz - 6 GHz	0600-1400 (MON-THU) 0600-1130	Hours of service from Monday to Thursday: 0900-1700 h (local time). Friday: 0900-1430 h (local time). Remotely controlled monitoring station. Height of antenna: 37 m.
45°33'15"N 027°59'05"E	Field strength or power flux-density measurements	20 MHz - 6 GHz	0600-1400 (MON-THU) 0600-1130	Hours of service from Monday to Friday (local time). Remotely controlled monitoring station.
45°33'15"N 027°59'05"E	Direction-finding measurements	20 MHz - 6 GHz	0600-1400 (MON-THU) 0600-1130	Remotely controlled monitoring station. Hours of service from Monday to Thursday: 0900-1700 h (local time). Friday: 0900-1430 h (local time). 8-element circular antenna array for reception and direction finding of vertically polarized waves in the frequency range 1300 MHz to 6000 MHz. If necessary, measurements are carried out by mobile monitoring stations (van), on request, all over Romanian territory. Hours of service from Monday to Thursday: 0900-1700 h (local time). Friday: 0900-1430 h (local time). 9-element circular antenna array with quadrature multiplexer for signal processing with a single receiver in the frequency range 20 MHz to 1300 MHz (horizontal and vertical polarization). Correlative.
45°33'15"N 027°59'05"E	Bandwidth measurements	20 MHz - 6 GHz	0600-1400 (MON-THU) 0600-1130	Remotely controlled monitoring station.

Geographical coordinates	Types of measurements	Ranges of frequencies for each measurement	Hours of service (UTC)	Remarks
				Hours of service from Monday to Thursday: 0900-1700 h (local time). Friday: 0900-1430 h (local time). <hr/> An electronic result (.jpg for waterfall plots and .xls for field strengths) is available upon request.
45°33'15"N 027°59'05"E	Automatic spectrum occupancy surveys	20 kHz - 6 GHz	H24	On request. <hr/> All days of week. <hr/> An electronic result (.jpg for waterfall plots and .xls for field strengths) is available upon request.

Station: **SMG Ghencea (IMS)**

Name of the station	Postal address	Telephone, Telefax, Electronic-mail
SMG Ghencea (IMS)	Remote Monitoring Station Bragadiru Romania	PHONE: +40 372 845318 PHONE: +40 372 845508 EMAIL: iulian.mihalcea@ancom.ro EMAIL: liviu.birsan@ancom.ro

Geographical coordinates	Types of measurements	Ranges of frequencies for each measurement	Hours of service (UTC)	Remarks
44°24'04"N 025°59'50"E	Frequency measurements	20 MHz - 6 GHz	0600-1400 (MON-THU) 0600-1130	Hours of service from Monday to Thursday: 0900-1700 h (local time). Friday: 0900-1430 h (local time). <hr/> Remotely controlled monitoring station. Height of antenna: 57 m.
44°24'04"N 025°59'50"E	Field strength or power flux-density measurements	20 MHz - 6 GHz	0600-1400 (MON-THU) 0600-1130	Hours of service from Monday to Friday (local time). <hr/> Remotely controlled monitoring station.

Geographical coordinates	Types of measurements	Ranges of frequencies for each measurement	Hours of service (UTC)	Remarks
44°24'04"N 025°59'50"E	Direction-finding measurements	20 MHz - 6 GHz	0600-1400 (MON-THU) 0600-1130	<p>Remotely controlled monitoring station. Hours of service from Monday to Thursday: 0900-1700 h (local time). Friday: 0900-1430 h (local time).</p> <hr/> <p>8-element circular antenna array for reception and direction finding of vertically polarized waves in the frequency range 1300 MHz to 6000 MHz.</p> <hr/> <p>If necessary, measurements are carried out by mobile monitoring stations (van), on request, all over Romanian territory. Hours of service from Monday to Thursday: 0900-1700 h (local time). Friday: 0900-1430 h (local time).</p> <hr/> <p>Correlative.</p> <hr/> <p>9-element circular antenna array in the frequency range 20 MHz to 1300 MHz (horizontal and vertical polarization).</p>
44°24'04"N 025°59'50"E	Bandwidth measurements	20 MHz - 6 GHz	0600-1400 (MON-THU) 0600-1130	<p>Remotely controlled monitoring station.</p> <hr/> <p>Hours of service from Monday to Thursday: 0900-1700 h (local time). Friday: 0900-1430 h (local time).</p> <hr/> <p>An electronic result (.jpg for waterfall plots and .xls for field strengths) is available upon request.</p>
44°24'04"N 025°59'50"E	Automatic spectrum occupancy surveys	20 kHz - 6 GHz	H24	<p>On request.</p> <hr/> <p>All days of week.</p> <hr/> <p>An electronic result (.jpg for waterfall plots and .xls for field strengths) is available upon request.</p>

Station: **SMG Oradea (IMS)**

Name of the station	Postal address	Telephone, Telefax, Electronic-mail
SMG Oradea (IMS)	Remote Monitoring Station Cordau Romania	PHONE: +40 372 845318 PHONE: +40 372 845508 EMAIL: iulian.mihalcea@ancom.ro EMAIL: liviu.birsan@ancom.ro

Geographical coordinates	Types of measurements	Ranges of frequencies for each measurement	Hours of service (UTC)	Remarks
46°57'51"N 021°58'09"E	Frequency measurements	20 MHz - 6 GHz	0600-1400 (MON-THU) 0600-1130	Hours of service from Monday to Thursday: 0900-1700 h (local time). Friday: 0900-1430 h (local time). <hr/> Remotely controlled monitoring station. Height of antenna: 37 m.
46°57'51"N 021°58'09"E	Field strength or power flux-density measurements	20 MHz - 6 GHz	0600-1400 (MON-THU) 0600-1130	Hours of service from Monday to Friday (local time). <hr/> Remotely controlled monitoring station.
46°57'51"N 021°58'09"E	Direction-finding measurements	20 MHz - 6 GHz	0600-1400 (MON-THU) 0600-1130	Remotely controlled monitoring station. Hours of service from Monday to Thursday: 0900-1700 h (local time). Friday: 0900-1430 h (local time). <hr/> 8-element circular antenna array for reception and direction finding of vertically polarized waves in the frequency range 1300 MHz to 6000 MHz. <hr/> If necessary, measurements are carried out by mobile monitoring stations (van), on request, all over Romanian territory. Hours of service from Monday to Thursday: 0900-1700 h (local time). Friday: 0900-1430 h (local time). <hr/> 9-element circular antenna array with quadrature multiplexer for signal processing with a single receiver in the frequency range 20 MHz to 1300 MHz (horizontal and vertical polarization). <hr/> Correlative.
46°57'51"N 021°58'09"E	Bandwidth measurements	20 MHz - 6 GHz	0600-1400 (MON-THU) 0600-1130	Remotely controlled monitoring station. <hr/>

Geographical coordinates	Types of measurements	Ranges of frequencies for each measurement	Hours of service (UTC)	Remarks
				Hours of service from Monday to Thursday: 0900-1700 h (local time). Friday: 0900-1430 h (local time). <hr/> An electronic result (.jpg for waterfall plots and .xls for field strengths) is available upon request.
46°57'51"N 021°58'09"E	Automatic spectrum occupancy surveys	20 kHz - 6 GHz	H24	On request. <hr/> All days of week. <hr/> An electronic result (.jpg for waterfall plots and .xls for field strengths) is available upon request.

Station: **SMG Satu Mare (IMS)**

Name of the station	Postal address	Telephone, Telefax, Electronic-mail
SMG Satu Mare (IMS)	Remote Monitoring Station Satu Mare Romania	PHONE: +40 372 845318 PHONE: +40 372 845508 EMAIL: iulian.mihalcea@ancom.ro EMAIL: liviu.birsan@ancom.ro

Geographical coordinates	Types of measurements	Ranges of frequencies for each measurement	Hours of service (UTC)	Remarks
47°48'52"N 022°52'37"E	Frequency measurements	20 MHz - 6 GHz	0600-1400 (MON-THU) 0600-1130	Hours of service from Monday to Thursday: 0900-1700 h (local time). Friday: 0900-1430 h (local time). <hr/> Remotely controlled monitoring station. Height of antenna: 57 m.
47°48'52"N 022°52'37"E	Field strength or power flux-density measurements	20 MHz - 6 GHz	0600-1400 (MON-THU) 0600-1130	Hours of service from Monday to Friday (local time). <hr/> Remotely controlled monitoring station.

Geographical coordinates	Types of measurements	Ranges of frequencies for each measurement	Hours of service (UTC)	Remarks
47°48'52"N 022°52'37"E	Direction-finding measurements	20 MHz - 6 GHz	0600-1400 (MON-THU) 0600-1130	<p>Remotely controlled monitoring station. Hours of service from Monday to Thursday: 0900-1700 h (local time). Friday: 0900-1430 h (local time).</p> <hr/> <p>8-element circular antenna array for reception and direction finding of vertically polarized waves in the frequency range 1300 MHz to 6000 MHz.</p> <hr/> <p>If necessary, measurements are carried out by mobile monitoring stations (van), on request, all over Romanian territory. Hours of service from Monday to Thursday: 0900-1700 h (local time). Friday: 0900-1430 h (local time).</p> <hr/> <p>9-element circular antenna array with quadrature multiplexer for signal processing with a single receiver in the frequency range 20 MHz to 1300 MHz (horizontal and vertical polarization).</p> <hr/> <p>Correlative.</p>
47°48'52"N 022°52'37"E	Bandwidth measurements	20 MHz - 6 GHz	0600-1400 (MON-THU) 0600-1130	<p>Remotely controlled monitoring station.</p> <hr/> <p>Hours of service from Monday to Thursday: 0900-1700 h (local time). Friday: 0900-1430 h (local time).</p> <hr/> <p>An electronic result (.jpg for waterfall plots and .xls for field strengths) is available upon request.</p>
47°48'52"N 022°52'37"E	Automatic spectrum occupancy surveys	20 kHz - 6 GHz	H24	<p>On request.</p> <hr/> <p>All days of week.</p> <hr/> <p>An electronic result (.jpg for waterfall plots and .xls for field strengths) is available upon request.</p>

Station: **SMG Suceava (IMS)**

Name of the station	Postal address	Telephone, Telefax, Electronic-mail
SMG Suceava (IMS)	Remote Monitoring Station Ipotesti Romania	PHONE: +40 372 845318 PHONE: +40 372 845508 EMAIL: iulian.mihalcea@ancom.ro EMAIL: liviu.birsan@ancom.ro

Geographical coordinates	Types of measurements	Ranges of frequencies for each measurement	Hours of service (UTC)	Remarks
47°36'57"N 026°17'09"E	Frequency measurements	20 MHz - 6 GHz	0600-1400 (MON-THU) 0600-1130	Hours of service from Monday to Thursday: 0900-1700 h (local time). Friday: 0900-1430 h (local time). <hr/> Remotely controlled monitoring station. Height of antenna: 27 m.
47°36'57"N 026°17'09"E	Field strength or power flux-density measurements	20 MHz - 6 GHz	0600-1400 (MON-THU) 0600-1130	Hours of service from Monday to Friday (local time). <hr/> Remotely controlled monitoring station.
47°36'57"N 026°17'09"E	Direction-finding measurements	20 MHz - 6 GHz	0600-1400 (MON-THU) 0600-1130	Remotely controlled monitoring station. Hours of service from Monday to Thursday: 0900-1700 h (local time). Friday: 0900-1430 h (local time). <hr/> 8-element circular antenna array for reception and direction finding of vertically polarized waves in the frequency range 1300 MHz to 6000 MHz. <hr/> If necessary, measurements are carried out by mobile monitoring stations (van), on request, all over Romanian territory. Hours of service from Monday to Thursday: 0900-1700 h (local time). Friday: 0900-1430 h (local time). <hr/> 9-element circular antenna array with quadrature multiplexer for signal processing with a single receiver in the frequency range 20 MHz to 1300 MHz (horizontal and vertical polarization). <hr/> Correlative.
47°36'57"N 026°17'09"E	Bandwidth measurements	20 MHz - 6 GHz	0600-1400 (MON-THU) 0600-1130	Remotely controlled monitoring station. <hr/>

Geographical coordinates	Types of measurements	Ranges of frequencies for each measurement	Hours of service (UTC)	Remarks
				Hours of service from Monday to Thursday: 0900-1700 h (local time). Friday: 0900-1430 h (local time). <hr/> An electronic result (.jpg for waterfall plots and .xls for field strengths) is available upon request.
47°36'57"N 026°17'09"E	Automatic spectrum occupancy surveys	20 kHz - 6 GHz	H24	On request. <hr/> All days of week. <hr/> An electronic result (.jpg for waterfall plots and .xls for field strengths) is available upon request.

Station: **SMG Timisoara (IMS)**

Name of the station	Postal address	Telephone, Telefax, Electronic-mail
SMG Timisoara (IMS)	Remote Monitoring Station Ianova Romania	PHONE: +40 372 845318 PHONE: +40 372 845508 EMAIL: iulian.mihalcea@ancom.ro EMAIL: liviu.birsan@ancom.ro

Geographical coordinates	Types of measurements	Ranges of frequencies for each measurement	Hours of service (UTC)	Remarks
45°50'26"N 021°24'45"E	Frequency measurements	20 MHz - 6 GHz	0600-1400 (MON-THU) 0600-1130	Hours of service from Monday to Thursday: 0900-1700 h (local time). Friday: 0900-1430 h (local time). <hr/> Remotely controlled monitoring station. Height of antenna: 37 m.
45°50'26"N 021°24'45"E	Field strength or power flux-density measurements	20 MHz - 6 GHz	0600-1400 (MON-THU) 0600-1130	Hours of service from Monday to Friday (local time). <hr/> Remotely controlled monitoring station.
45°50'26"N 021°24'45"E	Direction-finding measurements	20 MHz - 6 GHz	0600-1400 (MON-THU) 0600-1130	Remotely controlled monitoring station. Hours of service from Monday to Thursday: 0900-1700 h (local time). Friday: 0900-1430 h (local time). <hr/> 8-element circular antenna array for reception and direction finding of vertically polarized waves in the frequency range 1300 MHz to 6000 MHz.

Geographical coordinates	Types of measurements	Ranges of frequencies for each measurement	Hours of service (UTC)	Remarks
				<hr/> <p>If necessary, measurements are carried out by mobile monitoring stations (van), on request, all over Romanian territory. Hours of service from Monday to Thursday: 0900-1700 h (local time). Friday: 0900-1430 h (local time).</p> <hr/> <p>9-element circular antenna array with quadrature multiplexer for signal processing with a single receiver in the frequency range 20 MHz to 1300 MHz (horizontal and vertical polarization).</p> <hr/> <p>Correlative.</p>
45°50'26"N 021°24'45"E	Bandwidth measurements	20 MHz - 6 GHz	0600-1400 (MON-THU) 0600-1130	<p>Remotely controlled monitoring station.</p> <hr/> <p>Hours of service from Monday to Thursday: 0900-1700 h (local time). Friday: 0900-1430 h (local time).</p> <hr/> <p>An electronic result (.jpg for waterfall plots and .xls for field strengths) is available upon request.</p>
45°50'26"N 021°24'45"E	Automatic spectrum occupancy surveys	20 kHz - 6 GHz	H24	<p>On request.</p> <hr/> <p>All days of week.</p> <hr/> <p>An electronic result (.jpg for waterfall plots and .xls for field strengths) is available upon request.</p>

Station: **SMG Tulcea (IMS)**

Name of the station	Postal address	Telephone, Telefax, Electronic-mail
SMG Tulcea (IMS)	Remote Monitoring Station Nufaru Romania	PHONE: +40 372 845318 PHONE: +40 372 845508 EMAIL: iulian.mihalcea@ancom.ro EMAIL: liviu.birsan@ancom.ro

Geographical coordinates	Types of measurements	Ranges of frequencies for each measurement	Hours of service (UTC)	Remarks
45°07'02"N 028°57'31"E	Frequency measurements	20 MHz - 6 GHz	0600-1400 (MON-THU) 0600-1130	Hours of service from Monday to Thursday: 0900-1700 h (local time). Friday: 0900-1430 h (local time). Remotely controlled monitoring station. Height of antenna: 37 m.
45°07'02"N 028°57'31"E	Field strength or power flux-density measurements	20 MHz - 6 GHz	0600-1400 (MON-THU) 0600-1130	Hours of service from Monday to Friday (local time). Remotely controlled monitoring station.
45°07'02"N 028°57'31"E	Direction-finding measurements	20 MHz - 6 GHz	0600-1400 (MON-THU) 0600-1130	Remotely controlled monitoring station. Hours of service from Monday to Thursday: 0900-1700 h (local time). Friday: 0900-1430 h (local time). 8-element circular antenna array for reception and direction finding of vertically polarized waves in the frequency range 1300 MHz to 6000 MHz. If necessary, measurements are carried out by mobile monitoring stations (van), on request, all over Romanian territory. Hours of service from Monday to Thursday: 0900-1700 h (local time). Friday: 0900-1430 h (local time). 9-element circular antenna array with quadrature multiplexer for signal processing with a single receiver in the frequency range 20 MHz to 1300 MHz (horizontal and vertical polarization). Correlative.
45°07'02"N 028°57'31"E	Bandwidth measurements	20 MHz - 6 GHz	0600-1400 (MON-THU) 0600-1130	Remotely controlled monitoring station.

Geographical coordinates	Types of measurements	Ranges of frequencies for each measurement	Hours of service (UTC)	Remarks
				<p>Hours of service from Monday to Thursday: 0900-1700 h (local time). Friday: 0900-1430 h (local time).</p> <hr/> <p>An electronic result (.jpg for waterfall plots and .xls for field strengths) is available upon request.</p>
45°07'02"N 028°57'31"E	Automatic spectrum occupancy surveys	20 kHz - 6 GHz	H24	<p>On request.</p> <hr/> <p>All days of week.</p> <hr/> <p>An electronic result (.jpg for waterfall plots and .xls for field strengths) is available upon request.</p>

List of Issuer Identifier Numbers
(in accordance with Recommendation ITU-T E.118 (05/2006))
(Position on 31 December 2023)

(Annex to ITU Operational Bulletin No. 1283 – 1.I.2024)
(Amendment No. 18)

Global Issuer Identifier Number LIR

<i>Country/ geographical area</i>	<i>Company Name/Address</i>	<i>Issuer Identifier Number</i>	<i>Contact</i>
Global	KORE Wireless (Formerly Twilio Inc.) 3 Ravinia DR Suite 300 ATLANTA, GA 30346 United States	89 883 07	KORE Headquarters 3 Ravinia Drive, Floor 5, ATLANTA, GA United States Tel: +1 877 710 5673 E-mail: peberling@korewireless.com

See page 7 of the present Operational Bulletin No. 1314 of 15.IV.2025.

List of Recommendation ITU-T E.164 assigned Country Codes (Complement to Recommendation ITU-T E.164 (11/2010)) (Position on 15 December 2016)

(Annex to ITU Operational Bulletin No. 1114 – 15.XII.2016)
(Amendment No. 43)

country code **883** **LIR**

<i>Country code</i>	<i>Country, Geographical area or Global service</i>	<i>Note</i>
883	IoT/M2M, shared code	p, q

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

p Associated with shared country code 883, the following three-digit identification code reservations or assignments have been made for the IoT/M2M of:

Note p) +883 260 LIR

<i>Applicant</i>	<i>Network</i>	<i>Country Code and Identification Code</i>	<i>Status</i>
KORE Wireless (Formerly Twilio Inc.)	KORE Wireless (Formerly Twilio Inc.)	+883 260	Assigned

See page 6 of the present Operational Bulletin No. 1314 of 15.IV.2025.

**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 November 2023)**

(Annex to ITU Operational Bulletin No. 1280 - 15.XI.2023)

(Amendment No. 31)

<i>Country/Geographical area</i>	<i>MCC+MNC</i>	<i>Operator/Network</i>
Estonia SUP		
	248 21	Tismi B.V.
	248 33	J-Mobile OÜ (formerly Crowdfaster OÜ)
Estonia ADD		
	248 36	GLOBALCELL EU
	248 37	Revaltex Group OÜ
Hungary LIR		
	216 70	One Hungary Ltd.
	216 71	One Hungary Ltd.
Mexico ADD		
	334 230	VINOC, S.A.P.I. DE C.V.
International Mobile, shared code LIR*		
	901 62	KORE Wireless (Formerly Twilio Inc.)

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

* See page 6 of the present Operational Bulletin No. 1314 of 15.IV.2025.

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. 186)

<i>Country or area/ISO code</i>	<i>Company Code</i>	<i>Contact</i>
<i>Company Name/Address</i>	<i>(carrier code)</i>	
Germany (Federal Republic of) / DEU	ADD	
Aetherus Inh. Maurice Daniel Klein Fuerker Strasse 47A D-42697 SOLINGEN	AETH	Mr Maurice Klein Tel.: +49 2127 846460 Fax: +49 2127 8464699 Email: klein@aetherus.de
telenovis UG (haftungsbeschränkt) Rudower Chaussee 29 D-12489 BERLIN	100905	Mr Thomas Knick Tel.: +49 30 52001402 Fax: +49 30 30015870 Email: thomas.knick@telenovis.net
Coolwave Communications Limited 6th Floor, 2 Grand Canal Square IRL-DUBLIN 2, D02 A342 Ireland	COOLWV	Mr David Williams Tel.: +44 333 240 3070 Email: regulatory@coolwavecom.com
Sweden / SWE	ADD	
Bahnhof AB Sveavägen 41 SE-111 34 STOCKHOLM	BHOF01	Philip Göransson Tel.: +46 71110137 E-mail: philip.goransson@bahnhof.net
Sweden / SWE	LIR	
Tele2 Sverige AB P.O. Box 62 SE-164 94 KISTA	TELE2	Carl-Johan Rydén Tel.: +46 8 562 000 60 E-mail: carljohan.ryden@tele2.com
Telia Company AB Stjärntorget 1 SE-169 94 SOLNA	TELIA	Sofia Donner Tel.: +46 8 504 550 00 E-mail: sofia.donner@teliacompany.com
Sweden / SWE	SUP	
NETnet AB PO Box 6611 S-113 84 STOCKHOLM	NETNET	
RSL COM Sweden AB PO Box 1434 S-17128 SOLNA	RSLSWE	

List of International Signalling Point Codes (ISPC) (According to Recommendation ITU-T Q.708 (03/1999)) (Position on 1 July 2024)

(Annex to ITU Operational Bulletin No. 1295 – 1.VII.2024)
(Amendment No. 16)

*Country/
Geographical Area*

<i>ISPC</i>	<i>DEC</i>	<i>Unique name of the signalling point</i>	<i>Name of the signalling point operator</i>
Estonia SUP			
2-092-0	4832	Tallinn	Telia Eesti AS (formerly AS Eesti Telekom)
2-092-1	4833	Tallinn	Telia Eesti AS (formerly AS Eesti Telekom)
3-244-4	8100	Tallinn	Telia Eesti AS (formerly GoNetwork OÜ)
Hungary LIR			
2-212-1	5793	Monor_INT1	One Hungary Ltd.
4-243-0	10136	VFN-INT-ITP1	One Hungary Ltd.
4-243-1	10137	VFN-INT-ITP4	One Hungary Ltd.
4-243-7	10143	VFHU-INT-HWSTP1	One Hungary Ltd.
5-218-0	11984	VFHU-INT-HWSTP4	One Hungary Ltd.
6-251-2	14298	VHF-INT-GW1	One Hungary Ltd.
6-251-3	14299	VHF-INT-GW4	One Hungary Ltd.
Japan ADD			
4-087-0	8888	sumida-sgw2-g	NTT DOCOMO, INC.
4-087-1	8889	kyoto-sgw2-g	NTT DOCOMO, INC.

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

List of Data Network Identification Codes (DNIC) (According to Recommendation ITU-T X.121(10/2000)) (Position on 1 April 2011)

(Annex to ITU Operational Bulletin No. 977 – 1.IV.2011)
(Amendment No. 13)

Spain SUP

Country/Area	DNIC No.	Name of network to which a DNIC is allocated
1	2	3
ESPAGNE SPAIN ESPAÑA	214 1	Telefónica de España, S.A.U. (formerly Nodo internacional de datos)

See page 8 of the present Operational Bulletin No. 1314 of 15.IV.2025.

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.III.2025, the following countries/geographical areas have updated their national numbering plan on our site:

<i>Country/Geographical area</i>	<i>Country Code (CC)</i>
Andorra	+376
Burundi	+257
Mauritius	+230