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| **ITU Operational Bulletinwww.itu.int/itu-t/bulletin** |
| No. **1314** | 15.IV.2025 | (Information received by 31 March 2025) ISSN 1564-5223 (Online) |
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# Table of Contents

*Page*

**GENERAL INFORMATION**

Lists annexed to the ITU Operational Bulletin: *Note from TSB* 3

Approval of ITU-T Recommendations 4

The International Public Telecommunication Numbering Plan (Recommendation ITU-T E.164):
*Notes from TSB* 6

International Identification Plan for Public Networks and Subscriptions (Recommendation ITU-T E.212):
*Note from TSB* 6

The international telecommunication charge card (Recommendation ITU-T E.118): *Note from TSB* 7

Data Transmission Service:

Spain (*Secretaría de Estado de Telecomunicaciones e Infraestructuras Digitales*, Madrid) 8

Telephone Service:

Botswana (*Botswana Communications Regulatory Authority (BOCRA)*, Gaborone) 9

Morocco (*Agence Nationale de Réglementation des Télécommunications (ANRT)*, Rabat) 16

Myanmar (*Ministry of Transport and Communications*, Nay Pyi Taw) 16

Other communication:

Austria 17

Service Restrictions 18

Call-Back and alternative calling procedures (Res. 21 Rev. PP-06) 18

**AMENDMENTS TO SERVICE PUBLICATIONS**

List of International Monitoring Stations (List VIII) 19

List of Issuer Identifier Numbers 37

List of Recommendation ITU-T E.164 assigned Country Codes 38

Mobile Network Codes (MNC) for the international identification plan for public networks
and subscriptions 39

List of ITU Carrier Codes 40

List of International Signalling Point Codes (ISPC) 41

List of Data Network Identification Codes (DNIC) 42

National Numbering Plan 42

| *Dates of publication of the nextOperational Bulletins* | *Including informationreceived by:* |
| --- | --- |
| 1315 | 1.V.2025 | 11.IV.2025 |
| 1316 | 15.V.2025 | 30.IV.2025 |
| 1317 | 1.VI.2025 | 15.V.2025 |
| 1318 | 15.VI.2025 | 31.V.2025 |
| 1319 | 1.VII.2025 | 13.VI.2025 |
| 1320 | 15.VII.2025 | 30.VI.2025 |
| 1321 | 1.VIII.2025 | 8.VII.2025 |
| 1322 | 15.VIII.2025 | 25.VII.2025 |
| 1323 | 1.IX.2025 | 15.VIII.2025 |
| 1324 | 15.IX.2025 | 29.VIII.2025 |
| 1325 | 1.X.2025 | 12.IX.2025 |
| 1326 | 15.X.2025 | 30.IX.2025 |
| 1327 | 1.XI.2025 | 15.X.2025 |
| 1328 | 15.XI.2025 | 31.X.2025 |
| 1329 | 1.XII.2025 | 14.XI.2025 |
| 1330 | 15.XII.2025 | 28.XI.2025 |
| 1331 | 1.I.2026 | 5.XII.2025 |
| 1332 | 15.I.2026 | 17.XII.2025 |

# 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](http://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 Al 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**:

|  |  |  |  |
| --- | --- | --- | --- |
| *Applicant* | *Network* | *Country Code and Identification Code* | *Date of transfer of assignment* |
| 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**.

| Network | Mobile Country Code (MCC) and Mobile Network Code (MNC) | Date of transfer of assignment |
| --- | --- | --- |
| 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**.

|  |  |  |  |
| --- | --- | --- | --- |
| *Company Name/Address* | *Issuer Identifier Number* | *Contact* | *Date of transfer of assignment* |
| **KORE Wireless** (Formerly Twilio Inc.)3 Ravinia DR Suite 300ATLANTA, GA 30346(United States) | **89 883 07** | KORE Headquarters3 Ravinia Drive, Floor 5, ATLANTA, GA(United States)Tel: +1 877 710 5673E-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. 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. **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 0800and shared calls were 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 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. **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.

*Table 4: Fixed numbers by the geographical location*

| *Geographical Area* | *Number range* | *Zone* |
| --- | --- | --- |
| Francistown Area | 23X XXXX- 24X XXXX | 4 |
| Selebi-Phikwe Area | 25X XXXX- 26X XXXX | 4 |
| Letlhakane/Orapa Area | 275 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. **MOBILE AND VOIP 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 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 XXXX and supports the Internet of Things devices.

***2. OTHER NUMBERING RESOURCES***

* 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*

|  |  |
| --- | --- |
| *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 | Botswana Telecommunications Corporation Limited (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 |

***3. NUMBERING ALLOCATIONS AND ASSIGNMENTS***

* 1. **National Number Allocations**
		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 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 99979 230 000 – 79 279 999 | 1,000,000300,000300,000300,000100,000300,000200,000200,000200,000100,00050,000 |
| 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 99978 500 000 – 78 799 99979 200 000 – 79 209 99979 220 000 – 79 229 999 | 1,000,000200,000100,000400,000100,000300,000100,000300,000100,000200,000300,000300,00010,00010,000 |
| 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 99979 210 000 – 79 219 999 | 1,000,000100,000100,000100,000100,00010,000 |
| 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 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 |
| 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 |
| 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 99979 134 000 – 79 138 999 | 1,0005,000 |
| Liquid Intelligent Technologies | 79 128 000 – 79 128 999 | 1,000 |
| Par Telecommunication (Pty) Ltd | 79 129 000 – 79 133 999 | 5,000 |

* + 1. 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*

| *Service Provider* | *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 999989 0018 0000 - 89 0018 999989 0019 0000 - 89 0019 999989 0020 0000 - 89 0020 999989 0021 0000 - 89 0021 999989 0022 0000 - 89 0022 999989 0023 0000 - 89 0023 999989 0024 0000 - 89 0024 999989 0025 0000 - 89 0025 999989 0026 0000 - 89 0026 999989 0027 0000 - 89 0027 999989 0028 0000 - 89 0028 9999 | 10,00010,00010,00010,00010,00010,00010,00010,00010,00010,00010,00010,00010,00010,00010,00010,000 |
| 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 999989 0069 0000 - 89 0069 999989 0029 0000 - 89 0029 999989 0030 0000 - 89 0030 999989 0031 0000 - 89 0031 9999 | 10,00010,00010,00010,00010,00010,00010,00010,00010,000 |
| 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 10 below shows the seven (7) number digits active Fixed number allocations:

*Table 10: Fixed Number Allocations as of March 2025*

|  |  |  |  |
| --- | --- | --- | --- |
| *Number Blocks* | *Orange Botswana* | *Mascom Wireless* | *Botswana Telecommunications Corporation Limited (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** |

***4. 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.

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 |
| --- | --- | --- | --- |
| *Maximum length* | *Minimum length* |
| 786 | 9 | 9 | Mobile services 2G/3G/4G | Médi Telecom1 |
| 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)**

| ***Sr No.*** | **Area Code** | **Number Series** | **Area** | **Digit Length (including area code)** | **Licensee** | **Date of Number Allocation** | **Date of Number Withdrawal** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| *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

|  |  |
| --- | --- |
| 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)** |  |  |
| **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 DigitalesSecretaria General de Telecomunicaciones y Ordenación de los Servicios de Comunicación Audiovisual** | C/ Poeta Joan Maragall 41Planta 9.ª28071 MadridSpain | PHONE: +34 91 3462605TELEFAX: +34 91 3461567EMAIL: 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/n19170 El Casar(Guadalajara)Spain | PHONE: +34 91 3462553PHONE: +34 91 3462617EMAIL: SPascual@economia.gob.esEMAIL: zaida.sierra@economia.gob.es |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Geographical coordinates** | **Types of measurements** | **Ranges of frequencies for each measurement** | **Hours of service (UTC)** | **Remarks** |
| 40°41'40"N003°25'00"W | Frequency measurements | 10 kHz - 30 MHz | HX | GPS-referenced frequency pattern. |
| 40°41'40"N003°25'00"W | Field strength or power flux-density measurements   | 10 kHz - 30 MHz   | HX |  |
| 40°41'40"N003°25'00"W | Direction-finding measurements   | 1 MHz - 30 MHz | HX | Circular network of 9 double-square elements. Interferometric system.   |
| 40°41'40"N003°25'00"W | Bandwidth measurements   | 10 kHz - 30 MHz   | HX   |   |
| 40°41'40"N003°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 TenerifeSpain | PHONE: +34 91 3462553PHONE: +34 91 3462617EMAIL: SPascual@economia.gob.esEMAIL: zaida.sierra@economia.gob.es |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Geographical coordinates** | **Types of measurements** | **Ranges of frequencies for each measurement** | **Hours of service (UTC)** | **Remarks** |
| 28°27'23"N016°22'45"W | Frequency measurements   | 10 kHz - 30 MHz   | HX   | GPS-referenced frequency pattern.   |
| 28°27'23"N016°22'45"W | Field strength or power flux-density measurements   | 10 kHz - 30 MHz   | HX   |   |
| 28°27'23"N016°22'45"W | Direction-finding measurements   | 1 MHz - 30 MHz   | HX   | Circular network of 9 double-square elements. Interferometric system.   |
| 28°27'23"N016°22'45"W | Bandwidth measurements   | 10 kHz - 30 MHz   | HX   |   |
| 28°27'23"N016°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 VillageKm 28 Alex - CairoDesert RoadP.O. Box 40Giza | PHONE: +202 35344666TELEFAX: +202 35344155EMAIL: melbashary@tra.gov.eg |  |

 **MOD by alphabetical order**

Station:**Giza**

|  |  |  |
| --- | --- | --- |
| **Name of the station** | **Postal address** | **Telephone, Telefax, Electronic-mail** |
| **Giza** | B4 Smart VillageKm 28 Alex - Cairo Desert RoadP.O. Box 40GizaEgypt | PHONE: +202 35344630TELEFAX: +202 35344155EMAIL: welkhalafawy@tra.gov.eg |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Geographical coordinates** | **Types of measurements** | **Ranges of frequencies for each measurement** | **Hours of service (UTC)** | **Remarks** |
| 30°01'20"N031°12'33"E | Frequency measurements   | 10 kHz - 30 MHz   | H24   |   |
| 30°01'20"N031°12'33"E | Direction-finding measurements   | 10 kHz - 30 MHz   | H24   | Adcock.   |
| 30°01'20"N031°12'33"E | Bandwidth measurements   | 10 kHz - 30 MHz   | H24   |   |
| 30°01'20"N031°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 - ANCOMExecutive Directorate for Monitoring and Control | 2, Delea Noua Street030925 Bucharest 3Romania | PHONE: +40 372 845400TELEFAX: +40 372 845402EMAIL: 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 StationCumpanaRomania | PHONE: +40 372 845318PHONE: +40 372 845508EMAIL: iulian.mihalcea@ancom.roEMAIL: liviu.birsan@ancom.ro |

| **Geographical coordinates** | **Types of measurements** | **Ranges of frequencies for each measurement** | **Hours of service (UTC)** | **Remarks** |
| --- | --- | --- | --- | --- |
| 44°08'01"N028°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"N028°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"N028°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).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.   |
| 44°08'01"N028°36'25"E | Bandwidth 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.An electronic result (.jpg for waterfall plots and .xls for field strengths) is available upon request.   |
| 44°08'01"N028°36'25"E | Automatic spectrum occupancy surveys   | 20 kHz - 6 GHz   | 0600-1400 (MON-THU) 0600-1130   | On request.All days of week.An electronic result (.jpg for waterfall plots and .xls for field strengths) is available upon request.   |

 **MOD by alphabetical order**

Station:**HF Belciugatele (IMS)**

|  |  |  |
| --- | --- | --- |
| **Name of the station** | **Postal address** | **Telephone, Telefax, Electronic-mail** |
| **HF Belciugatele (IMS)** | Remote Monitoring StationCalarasi RegionRomania | PHONE: +40 372 845020PHONE: +40 372 845508EMAIL: andrei.zancu@ancom.roEMAIL: iulian.mihalcea@ancom.ro |

| **Geographical coordinates** | **Types of measurements** | **Ranges of frequencies for each measurement** | **Hours of service (UTC)** | **Remarks** |
| --- | --- | --- | --- | --- |
| 44°28'39"N026°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).Remotely controlled monitoring station. Height of antenna: 12 m.   |
| 44°28'39"N026°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).Remotely controlled monitoring station.   |
| 44°28'39"N026°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).Hours of service from Monday to Thursday: 0900-1700 h (local time). Friday: 0900-1430 h (local time).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).   |
| 44°28'39"N026°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"N026°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 StationCarligeiRomania | PHONE: +40 372 845318PHONE: +40 372 845508EMAIL: iulian.mihalcea@ancom.roEMAIL: liviu.birsan@ancom.ro |

| **Geographical coordinates** | **Types of measurements** | **Ranges of frequencies for each measurement** | **Hours of service (UTC)** | **Remarks** |
| --- | --- | --- | --- | --- |
| 44°17'05"N023°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"N023°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.   |
| 44°17'05"N023°44'58"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.   |
| 44°17'05"N023°44'58"E | Bandwidth 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).An electronic result (.jpg for waterfall plots and .xls for field strengths) is available upon request.   |
| 44°17'05"N023°44'58"E | Automatic spectrum occupancy surveys   | 20 kHz - 6 GHz   | H24   | On request.All days of week.An electronic result (.jpg for waterfall plots and .xls for field strengths) is available upon request.   |

Station:**SMG Galati (IMS)**

|  |  |  |
| --- | --- | --- |
| **Name of the station** | **Postal address** | **Telephone, Telefax, Electronic-mail** |
| **SMG Galati (IMS)** | Remote Monitoring StationOdaia ConachiRomania | PHONE: +40 372 845318PHONE: +40 372 845508EMAIL: iulian.mihalcea@ancom.roEMAIL: liviu.birsan@ancom.ro |

| **Geographical coordinates** | **Types of measurements** | **Ranges of frequencies for each measurement** | **Hours of service (UTC)** | **Remarks** |
| --- | --- | --- | --- | --- |
| 45°33'15"N027°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"N027°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"N027°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"N027°59'05"E | Bandwidth 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).An electronic result (.jpg for waterfall plots and .xls for field strengths) is available upon request.   |
| 45°33'15"N027°59'05"E | Automatic spectrum occupancy surveys   | 20 kHz - 6 GHz   | H24   | On request.All days of week.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 StationBragadiruRomania | PHONE: +40 372 845318PHONE: +40 372 845508EMAIL: iulian.mihalcea@ancom.roEMAIL: liviu.birsan@ancom.ro |

| **Geographical coordinates** | **Types of measurements** | **Ranges of frequencies for each measurement** | **Hours of service (UTC)** | **Remarks** |
| --- | --- | --- | --- | --- |
| 44°24'04"N025°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).Remotely controlled monitoring station. Height of antenna: 57 m.   |
| 44°24'04"N025°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).Remotely controlled monitoring station.   |
| 44°24'04"N025°59'50"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).Correlative.9-element circular antenna array in the frequency range 20 MHz to 1300 MHz (horizontal and vertical polarization).   |
| 44°24'04"N025°59'50"E | Bandwidth 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).An electronic result (.jpg for waterfall plots and .xls for field strengths) is available upon request.   |
| 44°24'04"N025°59'50"E | Automatic spectrum occupancy surveys   | 20 kHz - 6 GHz   | H24   | On request.All days of week.An electronic result (.jpg for waterfall plots and .xls for field strengths) is available upon request.   |

Station:**SMG Oradea (IMS)**

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

| **Geographical coordinates** | **Types of measurements** | **Ranges of frequencies for each measurement** | **Hours of service (UTC)** | **Remarks** |
| --- | --- | --- | --- | --- |
| 46°57'51"N021°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).Remotely controlled monitoring station. Height of antenna: 37 m.   |
| 46°57'51"N021°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).Remotely controlled monitoring station.   |
| 46°57'51"N021°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).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.   |
| 46°57'51"N021°58'09"E | Bandwidth 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).An electronic result (.jpg for waterfall plots and .xls for field strengths) is available upon request.   |
| 46°57'51"N021°58'09"E | Automatic spectrum occupancy surveys   | 20 kHz - 6 GHz   | H24   | On request.All days of week.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 StationSatu MareRomania | PHONE: +40 372 845318PHONE: +40 372 845508EMAIL: iulian.mihalcea@ancom.roEMAIL: liviu.birsan@ancom.ro |

| **Geographical coordinates** | **Types of measurements** | **Ranges of frequencies for each measurement** | **Hours of service (UTC)** | **Remarks** |
| --- | --- | --- | --- | --- |
| 47°48'52"N022°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).Remotely controlled monitoring station. Height of antenna: 57 m.   |
| 47°48'52"N022°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).Remotely controlled monitoring station.   |
| 47°48'52"N022°52'37"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.   |
| 47°48'52"N022°52'37"E | Bandwidth 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).An electronic result (.jpg for waterfall plots and .xls for field strengths) is available upon request.   |
| 47°48'52"N022°52'37"E | Automatic spectrum occupancy surveys   | 20 kHz - 6 GHz   | H24   | On request.All days of week.An electronic result (.jpg for waterfall plots and .xls for field strengths) is available upon request.   |

Station:**SMG Suceava (IMS)**

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

| **Geographical coordinates** | **Types of measurements** | **Ranges of frequencies for each measurement** | **Hours of service (UTC)** | **Remarks** |
| --- | --- | --- | --- | --- |
| 47°36'57"N026°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).Remotely controlled monitoring station. Height of antenna: 27 m.   |
| 47°36'57"N026°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).Remotely controlled monitoring station.   |
| 47°36'57"N026°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).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.   |
| 47°36'57"N026°17'09"E | Bandwidth 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).An electronic result (.jpg for waterfall plots and .xls for field strengths) is available upon request.   |
| 47°36'57"N026°17'09"E | Automatic spectrum occupancy surveys   | 20 kHz - 6 GHz   | H24   | On request.All days of week.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 StationIanovaRomania | PHONE: +40 372 845318PHONE: +40 372 845508EMAIL: iulian.mihalcea@ancom.roEMAIL: liviu.birsan@ancom.ro |

| **Geographical coordinates** | **Types of measurements** | **Ranges of frequencies for each measurement** | **Hours of service (UTC)** | **Remarks** |
| --- | --- | --- | --- | --- |
| 45°50'26"N021°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).Remotely controlled monitoring station. Height of antenna: 37 m.   |
| 45°50'26"N021°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).Remotely controlled monitoring station.   |
| 45°50'26"N021°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).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°50'26"N021°24'45"E | Bandwidth 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).An electronic result (.jpg for waterfall plots and .xls for field strengths) is available upon request.   |
| 45°50'26"N021°24'45"E | Automatic spectrum occupancy surveys   | 20 kHz - 6 GHz   | H24   | On request.All days of week.An electronic result (.jpg for waterfall plots and .xls for field strengths) is available upon request.  |

Station:**SMG Tulcea (IMS)**

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

| **Geographical coordinates** | **Types of measurements** | **Ranges of frequencies for each measurement** | **Hours of service (UTC)** | **Remarks** |
| --- | --- | --- | --- | --- |
| 45°07'02"N028°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"N028°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"N028°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"N028°57'31"E | Bandwidth 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).An electronic result (.jpg for waterfall plots and .xls for field strengths) is available upon request.   |
| 45°07'02"N028°57'31"E | Automatic spectrum occupancy surveys   | 20 kHz - 6 GHz   | H24   | On request.All days of week.An electronic result (.jpg for waterfall plots and .xls for field strengths) is available upon request.   |

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**

|  |  |  |  |
| --- | --- | --- | --- |
| *Country/geographical area* | *Company Name/Address* | *Issuer Identifier Number* | *Contact* |
| Global | **KORE Wireless** (Formerly Twilio Inc.)3 Ravinia DR Suite 300ATLANTA, GA 30346United States | **89 883 07** | KORE Headquarters3 Ravinia Drive, Floor 5, ATLANTA, GAUnited StatesTel: +1 877 710 5673E-mail: peberling@korewireless.com |

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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**

| ***Country code*** | ***Country, Geographical area or Global service*** | ***Note*** |
| --- | --- | --- |
| 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**

|  |  |  |  |
| --- | --- | --- | --- |
| *Applicant* | *Network* | *Country Code and Identification Code* | *Status* |
| 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)

|  |  |  |
| --- | --- | --- |
| ***Country/Geographical area*** | ***MCC+MNC*** | ***Operator/Network*** |
| **Estonia SUP** |  |  |
| 248 21 | Tismi B.V. |
| 248 33 | J-Mobile OÜ (formerly Crowdfaster OÜ) |
| **Estonia ADD** |  |  |
| 248 36 | GLOBALCELL EU |
| 248 37 | Revaltex Grooup 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.) |

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MCC: Mobile Country Code / Indicatif de pays du mobile / Indicativo de país para el servicio móvil

MNC: Mobile Network Code / Code de réseau mobile / Indicativo de red para el servicio móvil

\* 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)

| ***Country or area/ISO code*** | ***Company Code*** | ***Contact*** |
| --- | --- | --- |
| ***Company Name/Address*** | ***(carrier code)*** |  |

***Germany (Federal Republic of) / DEU* ADD**

|  |  |  |
| --- | --- | --- |
| Aetherus Inh. Maurice Daniel KleinFuerker Strasse 47AD-42697 SOLINGEN | **AETH** | Mr Maurice KleinTel.: +49 2127 846460Fax: +49 2127 8464699Email: klein@aetherus.de |
| telenovis UG (haftungsbeschränkt)Rudower Chausee 29D-12489 BERLIN | **100905** | Mr Thomas KnickTel.: +49 30 52001402Fax: +49 30 30015870Email: thomas.knick@telenovis.net |
| Coolwave Communications Limited6th Floor, 2 Grand Canal SquareIRL-DUBLIN 2, D02 A342Ireland | **COOLWV** | Mr David WilliamsTel.: +44 333 240 3070Email: regulatory@coolwavecom.com |

***Sweden / SWE* ADD**

|  |  |  |
| --- | --- | --- |
| Bahnhof ABSveavägen 41SE-111 34 STOCKHOLM | **BHOF01** | Philip GöranssonTel.: +46 71110137E-mail: philip.goransson@bahnhof.net |

***Sweden / SWE LIR***

|  |  |  |
| --- | --- | --- |
| Tele2 Sverige ABP.O. Box 62SE-164 94 KISTA | **TELE2** | Carl-Johan RydénTel.: +46 8 562 000 60E-mail: carljohan.ryden@tele2.com |
| Telia Company AB Stjärntorget 1SE-169 94 SOLNA | **TELIA** | Sofia DonnerTel.: +46 8 504 550 00E-mail: sofia.donner@teliacompany.com |

***Sweden / SWE* SUP**

|  |  |  |
| --- | --- | --- |
| NETnet ABPO Box 6611S-113 84 STOCKHOLM | **NETNET** |  |
| RSL COM Sweden ABPO Box 1434S-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 | Unique name of the signalling point | Name of the signalling point operator |
| ISPC | DEC |
| **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. |

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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 | 214 1 | Telefónica de España, S.A.U. (formerly Nodo internacional de datos) |
| *SPAIN* |  |  |
| ESPAÑA |  |  |
|  |  |  |

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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:

|  |  |
| --- | --- |
| *Country/Geographical area* | *Country Code (CC)* |
| Andorra | +376 |
| Burundi | +257 |
| Mauritius | +230 |