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| --- | --- | --- | --- |
| **ITU Operational Bulletin www.itu.int/itu-t/bulletin** | | | |
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| --- | --- | --- |
| 1251 | 1.IX.2022 | 12.VIII.2022 |
| 1252 | 15.IX.2022 | 31.VIII.2022 |
| 1253 | 1.X.2022 | 15.IX.2022 |
| 1254 | 15.X.2022 | 30.IX.2022 |
| 1255 | 1.XI.2022 | 14.X.2022 |
| 1256 | 15.XI.2022 | 1.XI.2022 |
| 1257 | 1.XII.2022 | 15.XI.2022 |
| 1258 | 15.XII.2022 | 30.XI.2022 |
| 1259 | 1.I.2023 | 9.XII.2022 |

# GENERAL INFORMATION

Lists annexed to the ITU Operational Bulletin

**Note from TSB**

A. The following Lists have been published by TSB or BR as Annexes to the ITU Operational Bulletin (OB):

OB No.

1199 List of International Signalling Point Codes (ISPC) (According to Recommendation ITU-T Q.708 (03/1999)) (Position on 1 July 2020)

1162 Mobile Network Codes (MNC) for the international identification plan for public networks and subscriptions (According to Recommendation ITU-T E.212 (09/2016)) (Position on 15 December 2018)

1161 List of Issuer Identifier Numbers for the International Telecommunication Charge Card (In accordance with Recommendation ITU-T E.118 (05/2006)) (Position on 1 December 2018)

1154 Status of Radiocommunications between Amateur Stations of Different Countries (In accordance with optional provision No. 25.1 of the Radio Regulations) and Form of Call Signs assigned by each Administration to its Amateur and Experimental Stations (Position on 15 August 2018)

1125 List of Signalling Area/Network Codes (SANC) (Complement to Recommendation ITU-T Q.708 (03/1999)) (Position on 1 June 2017)

1125 List of terrestrial trunk radio mobile country codes (Complement to Recommendation ITU-T E.218 (05/2004)) (Position on 1 June 2017)

1117 List of mobile country or geographical area codes (Complement to Recommendation ITU‑T E.212 (09/2016)) (Position on 1 February 2017).

1114 List of Recommendation ITU-T E.164 assigned country codes (Complement to Recommendation ITU‑T E.164 (11/2010)) (Position on 15 December 2016)

1096 Legal time 2016

1060 List of ITU Carrier Codes (According to ITU-T Recommendation M.1400 (03/2013) (Position on 15 September 2014)

1015 Access codes/numbers for mobile networks (According to ITU-T Recommendation E.164 (11/2010)) (Position on 1 November 2012)

1002 List of Country or Geographical Area Codes for non-standard facilities in telematic services (Complement to ITU-T Recommendation T.35 (02/2000)) (Position on 15 April 2012)

1001 List of the national authorities designated to assign ITU-T Recommendation T.35 terminal provider codes (Position on 1 April 2012)

1000 Service Restrictions (Recapitulatory list of service restrictions in force relating to telecommunications operation) (Position on 15 March 2012)

994 Dialling Procedures (International prefix, national (trunk) prefix and national (significant) number) (In accordance with ITU-T Recommendation E.164 (11/2010)) (Position on 15 December 2011)

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

980 List of Telegram Destination Indicators (In accordance with ITU-T Recommen­dation F.32 (10/1995)) (Position on 15 May 2011)

978 List of Telex Destination Codes (TDC) and Telex Network Identification Codes (TNIC) (Complement to ITU‑T Recommendations F.69 (06/1994) and F.68 (11/1988)) (Position on 15 April 2011)

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

976 List of Data Country or Geographical Area Codes (Complement to ITU‑T Recommendation X.121 (10/2000)) (Position on 15 March 2011)

974 List of Names of Administration Management Domains (ADMD) (In accordance with ITU‑T F.400 and X.400 series Recommendations) (Position on 15 February 2011)

955 Various tones used in national networks (According to ITU-T Recommendation E.180 (03/1998)) (Position on 1 May 2010)

669 Five-letter Code Groups for the use of the International Public Telegram Service (According to ITU-T Recommendation F.1 (03/1998))

B. The following Lists are available online from the ITU-T website:

List of ITU Carrier Codes (ITU-T Rec. M.1400) www.itu.int/ITU-T/inr/icc/index.html

Bureaufax Table (ITU-T Rec. F.170) www.itu.int/ITU-T/inr/bureaufax/index.html

List of recognized operating agencies (ROAs) [www.itu.int/ITU-T/inr/roa/index.html](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 P.852 (07/2022): Subjective quality evaluation of text-based chatbots

– ITU-T X.1409 (07/2022): Security services based on distributed ledger technology

– ITU-T E.803 (07/2022): Quality of service parameters for supporting service aspects

– ITU-T G.191 (07/2022): Guidance for the development of machine learning based solutions for QoS/QoE prediction and network performances management in telecommunication scenarios

– ITU-T G.1023 (07/2022): Framework for capacity assessment of packet data services in mobile networks

– ITU-T G.1036 (07/2022): Quality of experience (QoE) influencing factors for augmented reality (AR) services

– ITU-T P.64 (07/2022): Determination of sensitivity/frequency characteristics of local telephone systems

– ITU-T P.380 (07/2022): Electro-acoustic measurements on headsets

– ITU-T P.581 (07/2022): Use of head and torso simulator for hands-free and handset terminal testing

– ITU-T P.863.2 (07/2022): Extension of P.863 for multi-dimensional assessment of degradations in telephony speech signals up to full-band

– ITU-T P.910 (07/2022): Subjective video quality assessment methods for multimedia applications

– ITU-T P.1140 (07/2022): Speech communication requirements for emergency calls originating from vehicles

– ITU-T P.1204.4 (07/2022): Video quality assessment of streaming services over reliable transport for resolutions up to 4K with access to full and reduced reference pixel information

– ITU-T P.1320 (07/2022): QoE assessment of extended reality (XR) meetings

– ITU-T P.1402 (07/2022): Guidance for the development of machine learning based solutions for QoS/QoE prediction and network performances management in telecommunication scenarios

– ITU-T Y.1545.2 (07/2022): QoS metrics for continuity-of-performance of packet data based services

Telephone Service  
(Recommendation ITU-T E.164)

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

**Denmark (country code +45)**

Communication of 28.VII.2022:

The *Agency for Data Supply and Infrastructure*, Copenhagen, announces the following updates to the national numbering plan of Denmark:

* Withdrawals

| *Type* | *Numbering resource* | *Provider* | *Date of withdrawal* |
| --- | --- | --- | --- |
| Mobile communication | 20381fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 20383fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 20384fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 20389fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 20505fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 20506fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 20509fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 23541fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 23561fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 23762fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 24136fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 24332fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 24334fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 24380fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 24384fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 24576fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 24717fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 24729fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 29191fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 29196fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 29750fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 29751fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 29752fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 29753fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 29754fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 29755fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 29756fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 29757fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 29758fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 29971fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 29972fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 29973fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 29974fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 29975fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 29977fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 29978fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 29979fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 29960fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 29961fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 29962fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 29963fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 29964fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 29965fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 29966fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 29967fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 29968fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 29950fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 29951fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 29952fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 29953fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 29954fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 29955fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 29956fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 29957fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 29958fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 29959fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 51651fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 51654fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 51657fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 51692fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 51696fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 61210fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 61211fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 61212fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 61213fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 61214fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 61215fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 61218fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 61219fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 61520fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 61521fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 61522fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 61523fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 61524fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 61526fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 61527fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 61529fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 61533fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 61534fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 61536fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 61537fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 61539fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 61571fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 61577fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 61581fgh | Nuuday A/S | 27 April 2022 |
| Mobile communication | 61588fgh | Nuuday A/S | 27 April 2022 |
| Fixed communication | 70706fgh | Maxtel.dk ApS | 25 May 2022 |
| Fixed communication | 72734fgh | Maxtel.dk ApS | 25 May 2022 |
| Fixed communication | 72738fgh | Maxtel.dk ApS | 25 May 2022 |
| Fixed communication | 72739fgh | Maxtel.dk ApS | 25 May 2022 |
| Fixed communication | 66606fgh | mifon familie | 07 June 2022 |
| 4-digit short codes for directory enquiry services or special services | 1810 | TDC Net A/S | 30 June 2022 |
| 4-digit short codes for directory enquiry services or special services | 1851 | TDC Net A/S | 30 June 2022 |
| 4-digit short codes for directory enquiry services or special services | 1853 | TDC Net A/S | 30 June 2022 |

* Assignments

| *Type* | *Numbering resource* | *Provider* | *Date of assignment* |
| --- | --- | --- | --- |
| Fixed communication | 39981fgh | TDC Net A/S | 01 April 2022 |
| Mobile communication | 91308fgh | Greenwave Mobile IoT ApS | 22 April 2022 |
| Mobile communication | 91309fgh | Greenwave Mobile IoT ApS | 22 April 2022 |
| Mobile communication | 9240efgh | Greenwave Mobile IoT ApS | 22 April 2022 |
| Mobile communication | 81379fgh | Greenwave Mobile IoT ApS | 22 April 2022 |
| Mobile communication | 49817fgh | Greenwave Mobile IoT ApS | 22 April 2022 |
| Mobile communication | 49819fgh | Greenwave Mobile IoT ApS | 22 April 2022 |
| Fixed communication | 70603fgh | Nuuday A/S | 26 April 2022 |
| Fixed communication | 70604fgh | Nuuday A/S | 26 April 2022 |
| European harmonised number for harmonised services of social value | 116000 | TDC Net A/S | 27 April 2022 |
| 4-digit short codes for directory enquiry services or special services | 1818 | TDC Net A/S | 16 May 2022 |
| Mobile communication | 3620efgh | Hi3G Denmark ApS | 18 May 2022 |
| Mobile communication | 20505fgh | mifon familie | 18 May 2022 |
| Fixed communication | 39989fgh | TDC Net A/S | 18 May 2022 |
| Fixed communication | 66600fgh | mifon familie | 07 June 2022 |

Contact:

Agency for Data Supply and Infrastructure

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E-mail: tele@sdfi.dk  
URL: www.sdfi.dk

**Morocco (country code +212)**

Communication of 26.VII.2022:

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* |
| 780 | 9 | 9 | Mobile services 2G/3G/4G | Médi Telecom1 |
| 781 | 9 | 9 | Mobile services 2G/3G/4G | Médi Telecom |
| 782 | 9 | 9 | Mobile services 2G/3G/4G | Médi Telecom |
| 783 | 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

Service Restrictions

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

|  |  |
| --- | --- |
| Country/geographical area | OB |

|  |  |  |  |
| --- | --- | --- | --- |
| **Seychelles** | **1006 (p.13)** |  |  |
| **Slovakia** | **1007 (p.12)** |  |  |
| **Malaysia** | **1013 (p.5)** |  |  |
| **Thailand** | **1034 (p.5)** |  |  |
| **São Tomé and Principe** | **1039 (p.14)** |  |  |
| **Uruguay** | **1039 (p.14)** |  |  |
| **Hong Kong, China** | **1068 (p.4)** |  |  |
| **Ukraine** | **1148 (p.5)** |  |  |

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

See URL: www.itu.int/pub/T-SP-PP.RES.21-2011/

# AMENDMENTS TO SERVICE PUBLICATIONS

Abbreviations used

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ADD | Insert |  | PAR | Paragraph |
| COL | Column |  | REP | Replace |
| LIR | Read |  | SUP | Delete |
| P | Page(s) |  |  |  |

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

**SUP**

**UX04**  Ukrspace, 37 Prospect Peremogy, Building 28, Kyiv 03056, Ukraine.

E-mail: [admin@ukrkosmos.kiev.ua](mailto:admin@ukrkosmos.kiev.ua),

Tel: +380 44 2418472, Fax: +380 44 2418473,

Contact Person: Vladimir Kochevykh.

List of Issuer Identifier Numbers for  
the International Telecommunication Charge Card   
(in accordance with Recommendation ITU-T E.118 (05/2006))  
(Position on 1 December 2018)

(Annex to ITU Operational Bulletin No. 1161 – 1.XII.2018)  
(Amendment No. 69)

**United Kingdom LIR**

| *Country/ Geographical area* | *Company Name/Address* | *Issuer Identifier Number* | *Contact* |
| --- | --- | --- | --- |
| United Kingdom | **Kigen UK Limited**  Merlin Place  Milton Road  Cambridge CB4 0DP  Cambridgeshire  United Kingdom | **89 44 45** | Patrick Biget  Kigen  930 Route des Dolines  06560 Valbonne  France  Tel: +33 6 62 51 55 01  E-mail: patrick.biget@kigen.com |

Mobile Network Codes (MNC) for the international identification plan   
for public networks and subscriptions  
(According to Recommendation ITU-T E.212 (09/2016))  
(Position on 15 December 2018)

(Annex to ITU Operational Bulletin No. 1162 - 15.XII.2018)  
(Amendment No. 78)

|  |  |  |
| --- | --- | --- |
| ***Country or geographical area*** | ***MCC+MNC \**** | ***Name of Operator/Network*** |
| **Canada SUP** |  |  |
| 302 290 | Airtel Wireless |

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

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

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

List of International Signalling Point Codes (ISPC)  
(According to Recommendation ITU-T Q.708 (03/1999))  
(Position on 1 July 2020)

(Annex to ITU Operational Bulletin No. 1199 – 1.VII.2020)  
(Amendment No. 40)

|  |  |  |  |
| --- | --- | --- | --- |
| Country/ Geographical Area | | Unique name of the signalling point | Name of the signalling point operator |
| ISPC | DEC |
| **Sweden ADD** | | | |
| 7-208-0 | 16000 | BSG-SMSC2 | BSG Estonia OÜ |

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

ISPC: International Signalling Point Codes.

Codes de points sémaphores internationaux (CPSI).

Códigos de puntos de señalización internacional (CPSI).

National Numbering Plan   
(According to Recommendation ITU-T E.129 (01/2013))

Web: www.itu.int/itu-t/inr/nnp/index.html

Administrations are requested to notify ITU about their national numbering plan changes, or to give an explanation on their webpage concerning the national numbering plan as well as their contact points, so that the information, which will be made available freely to all administrations/ROAs and service providers, can be posted on the ITU-T website.

For their numbering website, or when sending their information to ITU/TSB (e-mail: [tsbtson@itu.int](mailto: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.VII.2022, the following countries/geographical areas have updated their national numbering plan on our site:

|  |  |
| --- | --- |
| *Country/ Geographical area* | *Country Code (CC)* |
| Saint Vincent and the Grenadines | +1 784 |
| Tanzania | +255 |