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| **ITU Operational Bulletinwww.itu.int/itu-t/bulletin** |
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| Place des Nations CH-1211 Genève 20 (Switzerland) Tel: +41 22 730 5111 **E-mail: itumail@itu.int** | **Standardization Bureau (TSB)Tel: +41 22 730 5211Fax: +41 22 730 5853E-mail: tsbmail@itu.int / tsbtson@itu.int** | **Radiocommunication Bureau (BR)Tel: +41 22 730 5560Fax: +41 22 730 5785E-mail:** **brmail@itu.int** |

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| 1207 | 1.XI.2020 | 15.X.2020 |
| 1208 | 15.XI.2020 | 30.X.2020 |
| 1209 | 1.XII.2020 | 16.XI.2020 |
| 1210 | 15.XII.2020 | 1.XII.2020 |
| 1211 | 1.I.2021 | 11.XII.2020 |

# 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.

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)

1109 List of International Signalling Point Codes (ISPC) (According to Recommendation ITU-T Q.708 (03/1999)) (Position on 1 October 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

A. By AAP-82, 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 E.812 (05/2020): Crowdsourcing approach for the assessment of end-to-end QoS in fixed and mobile broadband networks

– ITU-T G.1035 (05/2020): Influencing factors on quality of experience (QoE) for virtual reality (VR) services

– ITU-T G.8300 (05/2020): Characteristics of transport networks to support IMT-2020/5G

– ITU-T J.1 (05/2020): Terms, definitions and acronyms for television and sound transmission and integrated broadband cable networks

– ITU-T J.216 (05/2020): Second-generation modular headend architecture in systems for interactive cable television services - IP cable modems

– ITU-T J.224 (05/2020): Fifth-generation transmission systems for interactive cable television services - IP cable modems

– ITU-T J.225 (05/2020): Fourth-generation transmission systems for interactive cable television services - IP cable modems

– ITU-T J.299 (05/2020): Functional Requirements for remote management of cable STB by Auto Configuration Server (ACS)

– ITU-T J.1031 (05/2020): Downloadable Conditional Access System for Bidirectional Network; Requirements

– ITU-T J.1203 (05/2020): The specification of a smart TV operating system

– ITU-T J.1211 (05/2020): Specifications of IP Video Broadcast (IPVB) for CATV Networks

– ITU-T P.501 (05/2020): Test signals for use in telephony and other speech-based applications

– ITU-T P.1203.3 (2019) Amd. 1 (05/2020): Adjustment of the audiovisual quality

B. By TSB Circular 248 of 19 May 2020, it was announced that the following ITU-T Recommendations were approved, in accordance with the procedures outlined in Resolution 1:

– ITU-T J.1012 (04/2020): Embedded Common Interface (ECI) for exchangeable CA/DRM solutions; CA/DRM container, loader, interfaces, revocation

– ITU-T J.1013 (04/2020): Embedded Common Interface (ECI) for exchangeable CA/DRM solutions; The virtual machine

– ITU-T J.1014 (04/2020): Embedded Common Interface (ECI) for exchangeable CA/DRM solutions; Advanced Security – ECI-specific functionalities

– ITU-T J.1015 (04/2020): Embedded Common Interface (ECI) for exchangeable CA/DRM solutions; The advanced security system - Key ladder block

– ITU-T J.1015.1 (04/2020): Embedded Common Interface (ECI) for exchangeable CA/DRM solutions; The advanced security system - Key ladder block: Authentication of control word-usage rules information and associated data 1

The International Public Telecommunication Numbering Plan
(Recommendation ITU-T E.164 (11/2010))

**Note from TSB**

*Identification codes for international networks*

Associated with shared country code 883 for international networks, the following three-digit identification codes have been **assigned**.

|  |  |  |  |
| --- | --- | --- | --- |
| Applicant | Network | Country Code and Identification Code | Date of assignment |
| Tele2 IoT | Tele2 IoT | +883 320 | 1.VI.2020 |
| Cubic Telecom Limited | Cubic Telecom Limited | +883 330 | 1.VI.2020 |

International Identification Plan for Public Networks and Subscriptions
(Recommendation ITU-T E.212 (09/2016))

**Note from TSB**

*Identification codes for International Mobile Networks*

Associated with shared mobile country code 901 (MCC), the following two-digit mobile network codes (MNC) have been assigned.

| Network | Mobile Country Code (MCC) and Mobile Network Code (MNC) | Date of assignment |
| --- | --- | --- |
| Tele2 IoT | 901 72 | 1.VI.2020 |
| Cubic Telecom Limited | 901 73 | 1.VI.2020 |

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 |
| --- | --- | --- |
| Vodafone Malta (Monaco Telecom) | 901 19 | 1.VI.2020 |

Telephone Service
(Recommendation ITU-T E.164)

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

**Denmark (country code +45)**

Communication of 26.V.2020:

The *Danish Energy Agency*, Copenhagen, announces the following updates to the national numbering plan of Denmark:

* Assignment – M2M communication

|  |  |  |
| --- | --- | --- |
| *Provider* | *Numbering series* | *Date of assignment* |
| NextM2M A/S | 37100220ijkl, 37100221ijkl, 37100222ijkl, 37100223ijkl, 37100224ijkl, 37100225ijkl, 37100226ijkl, 37100227ijkl, 37100228ijkl and 37100229ijkl | 1.VI.2020 |

* Assignment – Mobile communication services

|  |  |  |
| --- | --- | --- |
| *Provider* | *Numbering series* | *Date of assignment* |
| XPLORA Mobile Denmark ApS | 61495fgh, 61496fgh, 61498fgh, 61499fgh and 91307fgh | 1.VIII.2020 |

Contact:

 Danish Energy Agency

 43 Carsten Niebuhrs Gade

 1577 COPENHAGEN V

Denmark

Tel: +45 33 92 67 00
Fax: +45 33 11 47 43
E-mail: ens@ens.dk
URL: www.ens.dk

**Niger (country code +227)**

Communication of 27.V.2020:

The *Autorité de Régulation des Communications Électroniques et de la Poste*, Niamey, announces the following update to the national numbering plan for Niger.

**Mobile-network services**

| **National destination code (NDC) or first digits of national (significant) number (N(S)N)** | **N(S)N number length** | **Usage of ITU-T E.164 number** | **Additional information** | **Date and time of introduction** |
| --- | --- | --- | --- | --- |
| **Maximum length** | **Minimum length** |
| 74 | 8 | 8 | Non-geographic numbers – mobile telephone service | ATLANTIQUE TELECOMS NIGER | 17/04/2019 |
| 84 | 8 | 8 | Non-geographic numbers – mobile telephone service | 14/11/2016 |
| 85 | 8 | 8 | Non-geographic numbers – mobile telephone service | 26/05/2017 |
| 94 | 8 | 8 | Non-geographic numbers – mobile telephone service | 15/05/2008 |
| 95 | 8 | 8 | Non-geographic numbers – mobile telephone service | 25/05/2015 |
| 86 | 8 | 8 | Non-geographic numbers – mobile telephone service | CELTEL NIGER SA | 30/05/2020 |
| 87 | 8 | 8 | Non-geographic numbers – mobile telephone service | 17/01/2020 |
| 88 | 8 | 8 | Non-geographic numbers – mobile telephone service | 08/09/2014 |
| 89 | 8 | 8 | Non-geographic numbers – mobile telephone service | 29/08/2013 |
| 96 | 8 | 8 | Non-geographic numbers – mobile telephone service | 28/04/2008 |
| 97 | 8 | 8 | Non-geographic numbers – mobile telephone service | 17/07/2009 |
| 98 | 8 | 8 | Non-geographic numbers – mobile telephone service | 03/03/2011 |
| 99 | 8 | 8 | Non-geographic numbers – mobile telephone service | 29/03/2012 |
| 83 | 8 | 8 | Non-geographic numbers – mobile telephone service | NIGER TELECOMS SA | 30/08/2018 |
| 93 | 8 | 8 | Non-geographic numbers – mobile telephone service | 30/06/2006 |
| 70 | 8 | 8 | Non-geographic numbers – mobile telephone service | ORANGE NIGER SA | 30/05/2020 |
| 80 | 8 | 8 | Non-geographic numbers – mobile telephone service | 24/09/2014 |
| 81 | 8 | 8 | Non-geographic numbers – mobile telephone service | 18/01/2019 |
| 82 | 8 | 8 | Non-geographic numbers – mobile telephone service | 30/05/2020 |
| 90 | 8 | 8 | Non-geographic numbers – mobile telephone service | 17/12/2009 |
| 91 | 8 | 8 | Non-geographic numbers – mobile telephone service | 21/05/2010 |
| 92 | 8 | 8 | Non-geographic numbers – mobile telephone service | 15/06/2011 |

**Fixed-network services**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **National destination code (NDC) or first digits of national (significant) number (N(S)N)** | **N(S)N number length** | **Usage of ITU-T E.164 number** | **Additional information** | **Date and time of introduction** |
| **Maximum length** | **Minimum length** |
| 20 | 8 | 8 | Wireline numbers | NIGER TELECOMS SA | 30/06/2006 |
| 21 | 8 | 8 | Wireless local loop | NIGER TELECOMS SA | 30/06/2006 |
| 23 | 8 | 8 | Wireless local loop | ORANGE NIGER SA | 26/06/2008 |

**Special Services**

|  |  |  |  |
| --- | --- | --- | --- |
| **Numbers** | **Length** | **Service or network** | **Date and time of introduction** |
| 10 | Two digits | Manual – long-distance | 30/06/2006 |
| 11 | Two digits | Repair service | 30/06/2006 |
| 12 | Two digits | Enquiries | 30/06/2006 |
| 13 | Two digits | Complaints | 30/06/2006 |
| 14 | Two digits | Telegrams | 30/06/2006 |
| 15 | Two digits | SAMU (emergency medical services) (formerly AIDS helpline) | 10/05/2013 |
| 16 | Two digits | Gendarmerie (formerly Manual – international) | 27/06/2019 |
| 17 | Two digits | Police assistance | 30/06/2006 |
| 18 | Two digits | Fire department | 30/06/2006 |
| 19 | Two digits | Enquiries | 30/06/2006 |
| 118 | Three digits | Fire department | 21/04/2020 |

Contact:

Ms Touré Beidari Leila Kadri
Chef de Département Gestion des Ressources
ARCEP (Autorité de Régulation des Communications Électroniques et de la Poste)
B.P.: 13179

NIAMEY

Niger

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E-mail: leila.kadri@arcep.ne / leilah41@hotmail.com

URL: www.arcep.ne

Service Restrictions

See URL: [www.itu.int/pub/T-SP-SR.1-2012](http://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/](http://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 2020

Section VI**

**REP**

**GR15** SHELECTRO - DRIVAKOS SHIPPING ELECTRONIC SYSTEMS P.C.,

 Androutsou 154, 185 35 Piraeus, Greece.

 E-mail: shelectro@shelectro.gr.

**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. 27)

**Germany ADD**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| *Country/Geographical area* | *Company Name/Address* | *Issuer Identifier Number* | *Contact* | *Effective date of usage* |
| Germany | **TelcoVillage GmbH**Hennigsdorfer Str. 12613503 BERLIN | **89 49 40** | Christos OmiridisHennigsdorfer Str. 12613503 BERLINGermanyTel.: +49 30 221 79 00 90Fax: +49 30 221 79 00 99E-mail: service@telcovillage.com | 1.VI.2020 |

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. 16)

**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 international networks of:

***Note p)* +883 320 and +883 330 ADD\***

|  |  |  |  |
| --- | --- | --- | --- |
| *Applicant* | *Network* | *Country Code and Identification Code* | *Status* |
| Tele2 IoT | Tele2 IoT | +883 320 | Assigned |
| Cubic Telecom Limited | Cubic Telecom Limited | +883 330 | Assigned |

**\*** 1.VI.2020

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See page 5 of the present Operational Bulletin No. 1198 of 15.VI.2020.

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| **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)** |

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| --- |
| (Annex to ITU Operational Bulletin No. 1162 - 15.XII.2018)(Amendment No. 34) |

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| --- | --- | --- | --- | --- |
|  |  |  |  |  |
|  |  |

| Country/Geographical area | MCC+MNC \* | Operator/Network |
| --- | --- | --- |
| **United States SUP** |  |  |
| 310 040 | MTA Communications dba MTA Wireless |
| 310 060 | Consolidated Telcom |
| 310 300 | Blanca Telephone Company |
| 310 610 | Elkhart Telephone Co. Inc. dba Epic Touch Co. |
| 310 780 | D.D. Inc |
| 311 200 | ARINC |
| 311 300 | Nexus Communications Inc |
| 311 500 | Mosaic Telecom Inc |
| 311 960 | Lycamobile USA Inc |
| 312 050 | Fuego Wireless LLC |
| 312 070 | Adams Networks Inc |
| 312 140 | Cleveland Unlimited Inc |
| 312 340 | MTA Communications dba MTA Wireless |
| 312 440 | Consolidated Telcom |
| 312 740 | KDDI America, Inc dba Locus Telecommunications |
| **United States ADD** |  |  |
| 310 330 | Wireless Partners LLC |
| 310 340 | Limitless Mobile, LLC |
| 310 591 | Verizon Wireless |
| 310 592 | Verizon Wireless |
| 310 593 | Verizon Wireless |
| 310 594 | Verizon Wireless |
| 310 595 | Verizon Wireless |
| 310 596 | Verizon Wireless |
| 310 597 | Verizon Wireless |
| 310 598 | Verizon Wireless |
| 310 599 | Verizon Wireless |
| 310 810 | Pacific Lightwave Inc. |
| 310 891 | Verizon Wireless |
| 310 892 | Verizon Wireless |
| 310 893 | Verizon Wireless |
| 310 894 | Verizon Wireless |
| 310 895 | Verizon Wireless |
| 310 896 | Verizon Wireless |
| 310 897 | Verizon Wireless |
| 310 898 | Verizon Wireless |
| 310 899 | Verizon Wireless |
| 311 210 | Telnyx LLC |
| 311 460 | ELECTRIC IMP INCORPORATED |
| 311 600 | Limitless Mobile, LLC |
| 311 760 | Reclaimed 06/21/2016 |
| 311 780 | The American Samoa Telecommunications Authority |
| 311 882 | Sprint |
| 313 061 | Country Wireless |
| 313 110 | AT&T FirstNet |
| 313 120 | AT&T FirstNet |
| 313 130 | AT&T FirstNet |
| 313 140 | AT&T FirstNet |
| 313 150 | RESERVED FOR PUBLIC SAFETY |
| 313 160 | RESERVED FOR PUBLIC SAFETY |
| 313 170 | RESERVED FOR PUBLIC SAFETY |
| 313 180 | RESERVED FOR PUBLIC SAFETY |
| 313 190 | RESERVED FOR PUBLIC SAFETY |
| 313 220 | Custer Telephone Cooperative,Inc. |
| 313 230 | Velocity Communications Inc |
| 313 240 | Fundamental Holdings, Corp |
| 313 250 | Imperial County Office of Education |
| 313 260 | Expeto Wireless Inc. |
| 313 280 | King Street Wireless, LP |
| 313 290 | Gulf Coast Broadband LLC |
| 313 300 | Cambio WiFi of Delmarva, LLC. |
| 313 310 | CAL.NET, INC |
| 313 320 | Paladin Wireless |
| 313 330 | CenturyTel Broadband Services LLC |
| 313 340 | Dish Network |
| 313 350 | Dish Network |
| 313 360 | Dish Network |
| 313 370 | Red Truck Wireless, LLC |
| 313 380 | OptimERA Inc. |
| 313 390 | Altice USA Wireless, Inc. |
| 313 400 | Texoma Communications, LLC |
| 313 410 | pdvWireless |
| 313 420 | Hudson Valley Wireless |
| 313 440 | Arvig Enterprises INC |
| 313 450 | Spectrum Wireless Holdings, LLC |
| 313 460 | Mobi, Inc. |
| 313 470 | San Diego Gas & Electric Company |
| 313 480 | Ready Wireless, LLC |
| 313 490 | Puloli, Inc |
| 313 500 | Shelcomm, Inc |
| 313 510 | Puerto Rico Telecom Company |
| 313 520 | Florida Broadband, Inc |
| 313 540 | Nokia Innovations US LLC |
| 313 550 | Mile High Networks LLC |
| 313 560 | Transit Wireless, LLC |
| 313 570 | Celular Network Partnership |
| 313 580 | Telecall Telecommuncations Corp. |
| 313 590 | Southern Communications Services, Inc. D/B/A Southern Linc |
| 313 600 | ST Engineering iDirect |
| 313 610 | Crystal Automation Systems, Inc. |
| 313 620 | Screened Images |
| 313 630 | LICT Corporation |
| 313 640 | Geoverse |
| 313 650 | Chevron USA INC |
| 313 660 | Hudson Valley Wireless |
| 313 670 | Hudson Valley Wireless |
| 313 680 | Hudson Valley Wireless |
| 313 690 | Shenandoah Cable Television, LLC |
| 313 700 | Ameren Services Company |
| 313 710 | Extent Systems |
| 313 720 | 1st Point Communications, LLC |
| 313 730 | TruAccess Networks |
| 313 740 | RTO Wireless, LLC |
| 313 750 | 313-CellTex Networks, LLC |
| 313 760 | Hologram, Inc. |
| 313 770 | Tango Networks |
| 314 010 | Boingo Wireless Inc |
| 314 020 | Spectrum Wireless Holdings, LLC |
| 314 030 | Baicells Technologies North America Inc. |
| 314 100 | RESERVED FOR PUBLIC SAFETY |
| 314 110 | RESERVED FOR PUBLIC SAFETY |
| 314 120 | RESERVED FOR PUBLIC SAFETY |
| 314 130 | RESERVED FOR PUBLIC SAFETY |
| 314 140 | RESERVED FOR PUBLIC SAFETY |
| 314 150 | RESERVED FOR PUBLIC SAFETY |
| 314 160 | RESERVED FOR PUBLIC SAFETY |
| 314 170 | RESERVED FOR PUBLIC SAFETY |
| 314 180 | RESERVED FOR PUBLIC SAFETY |
| 314 190 | RESERVED FOR PUBLIC SAFETY |
| **United States LIR** |  |  |
| 310 470 | Docomo Pacific Inc |
| 310 570 | Broadpoint, LLC (former PetroCom, LLC) c/o MTPCS, LLC dba CellularOne |
| 310 620 | Nsighttel Wireless, LLC |
| 310 690 | Limitless Mobile, LLC |
| 310 940 | Tyntec Inc. |
| 310 990 | Evolve Cellular Inc. |
| 311 010 | Chariton Valley Communications Corporation |
| 311 170 | Tampnet (formerly Broadpoint, LLC (former PetroCom, LLC) c/o MTPCS, LL |
| 311 510 | Ligado Networks |
| 311 550 | Commnet Wireless, LLC |
| 311 700 | Midwest Network Solutions Hub, LLC. (MNS) |
| 311 920 | Missouri RSA No 5 Partnership |
| 312 010 | Chariton Valley Communications Corporation |
| 312 180 | Limitless Mobile, LLC |
| 312 220 | Chariton Valley Communications Corporation |
| 312 650 | Brightlink |
| 312 690 | TGS, LLC |
| 312 990 | PREMIER HOLDINGS, LLC |
| 313 100 | AT&T FirstNet |
| 313 210 | AT&T Mobility |
| **International Mobile, shared code ADD** |  |  |
| 901 72 | Tele2 IoT |
| 901 73 | Cubic Telecom Limited |
| **International Mobile, shared code LIR** |  |  |
| 901 19 | Vodafone Malta (Monaco Telecom) |

 |  |  |
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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 |

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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. 98)

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

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

|  |  |  |
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List of International Signalling Point Codes (ISPC)
(According to Recommendation ITU-T Q.708 (03/1999))
(Position on 1 October 2016)

(Annex to ITU Operational Bulletin No. 1109 – 1.X.2016)
(Amendment No. 76)

|  |  |  |
| --- | --- | --- |
| Country/ Geographical Area | Unique name of the signalling point | Name of the signalling point operator |
| ISPC | DEC |
| **Finland SUP** |
| 2-088-0 | 4800 | Helsinki (HEL1) | Telia Finland Oyj |
| 2-088-1 | 4801 | Helsinki (HEL2) | Telia Finland Oyj |
| 2-088-4 | 4804 | Helsinki (OPS2) | Fonecta Oy |
| 2-088-7 | 4807 | Espoo (FON01) | Fonecta Oy |
| 2-089-0 | 4808 | Espoo (FON02) | Fonecta Oy |
| 2-090-6 | 4822 | Espoo (FTFIES1) | NextGen Mobile Ltd |
| 2-091-2 | 4826 | Vantaa (MY1) | DNA Oyj |
| 2-091-3 | 4827 | Vantaa (MY2) | DNA Oyj |
| 2-255-4 | 6140 | Helsinki (BHEL252) | Orange Business Finland Oy |

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ISPC: International Signalling Point Codes.

 Codes de points sémaphores internationaux (CPSI).

 Códigos de puntos de señalización internacional (CPSI).