|  |
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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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| --- | --- |
| 1091 | 1.I.2016 | 11.XII.2015 |
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| 1102 | 15.VI.2016 | 1.VI.2016 |
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| 1108 | 15.IX.2016 | 1.IX.2016 |
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| 1112 | 15.XI.2016 | 1.XI.2016 |
| 1113 | 1.XII.2016 | 16.XI.2016 |
| 1114 | 15.XII.2016 | 1.XII.2016 |

# 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.

1088 List of Issuer Identifier Numbers for the International Telecommunication Charge Card (In accordance with Recommendation ITU-T E.118 (05/2006)) (Position on 15 November 2015)

1086 Mobile Network Codes (MNC) for the international identification plan for public networks and subscriptions (According to Recommendation ITU-T E.212 (05/2008)) (Position on 15 October 2015)

1073 Legal time 2015

1067 List of International Signalling Point Codes (ISPC) (According to ITU-T Recommendation Q.708 (03/99)) (Position on 1 January 2015)

1066 List of Signalling Area/Network Codes (SANC) (Complement to ITU-T Recommendation Q.708 (03/99)) (Position on 15 December 2014)

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

1055 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 July 2014)

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

1005 List of mobile country or geographical area codes (Complement to ITU‑T Recommendation E.212 (05/2008)) (Position on 1 June 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 List of ITU-T Recommendation E.164 assigned country codes (Complement to ITU‑T Recommendation E.164 (11/2010)) (Position on 1 November 2011)

991 Call-Back and alternative calling procedures (Res. 21.PP-2006)

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))

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)

972 List of terrestrial trunk radio mobile country codes (Complement to ITU-T Recommen­dation E.218 (05/2004)) (Position on 15 January 2011)

955 Various tones used in national networks (According to ITU-T Recommendation E.180 (03/98)) (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 (03/2013)) www.itu.int/ITU-T/inr/icc/index.html

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

List of recognized operating agencies (ROAs) www.itu.int/ITU-T/inr/roa/index.html

Approval of ITU-T Recommendations

By AAP-70, 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.746.3 (11/2015): Intelligent question answering service framework

– ITU-T F.747.8 (11/2015): Requirements and reference architecture for audience-selectable media service framework in the IoT environment

– ITU-T F.748.2 (11/2015): Machine socialization: Overview and reference model

– ITU-T F.748.3 (11/2015): Machine socialization: Relation management and descriptions in IoT applications

– ITU-T F.748.5 (11/2015): Requirements and reference architecture of M2M service layer

– ITU-T F.749.1 (11/2015): Functional requirements for vehicle gateways

– ITU-T F.791 (11/2015): Accessibility terms and definitions

– ITU-T G.9701 (2014) Cor. 1 (11/2015)

– ITU-T G.9960 (2015) Cor. 1 (11/2015)

– ITU-T G.9960 (2015) Amd. 1 (11/2015)

– ITU-T G.9961 (2015) Cor. 1 (11/2015)

– ITU-T G.9961 (2015) Amd. 1 (11/2015)

– ITU-T H.222.0 (2014) Amd. 1 Cor. 1 (11/2015): Delivery of Timeline for External Data: Adding cets\_byte\_range\_descriptor to table U-2

– ITU-T H.248.41 (11/2015): Gateway control protocol: IP domain connection package

– ITU-T H.248.78 (11/2015): Gateway control protocol: Bearer-level message backhauling and application level gateway

– ITU-T H.248.94 (11/2015): Gateway control protocol: Web-based real-time communication services - H.248 protocol support and profile guidelines

– ITU-T H.248.95 (11/2015): Gateway control protocol: H.248 Support for RTP multiplexing

– ITU-T H.248.96 (11/2015)

– ITU-T H.248.97 (11/2015): Gateway Control Protocol: H.248 support for control of SCTP bearer connections (New)

– ITU-T H.460.27 (04/2015): End-to-end session identifier for H.323 systems

– ITU-T H.622.2 (11/2015): Service capabilities and framework for virtual home networks

– ITU-T H.623 (11/2015)

– ITU-T H.702 (11/2015): Accessibility profiles for IPTV systems

– ITU-T H.752 (11/2015): Multimedia content provisioning interface for IPTV services

– ITU-T H.772 (11/2015): IPTV terminal device discovery

– ITU-T H.810 (11/2015): Interoperability design guidelines for personal health systems

– ITU-T H.811 (11/2015): Interoperability design guidelines for personal health systems: PAN/LAN/TAN interface

– ITU-T H.812 (11/2015)

– ITU-T H.812.1 (11/2015): Interoperability design guidelines for personal health systems: WAN interface: Observation upload certified device class

– ITU-T H.812.2 (11/2015): Interoperability design guidelines for personal health systems: WAN interface: Questionnaires

– ITU-T H.812.3 (11/2015)

– ITU-T H.812.4 (11/2015): Interoperability design guidelines for personal health systems: WAN interface: Authenticated persistent session device class

– ITU-T H.813 (11/2015): Interoperability design guidelines for personal health systems: Health record network (HRN) interface

– ITU-T H.830.9 (11/2015): Conformance testing: WAN interface Part 9: hData observation upload: Sender

– ITU-T H.830.10 (11/2015): Conformance testing: WAN interface Part 10: hData observation upload: Receiver

– ITU-T H.830.11 (11/2015): Conformance testing: WAN interface Part 11: Questionnaires: Sender

– ITU-T H.830.12 (11/2015): Conformance testing: WAN interface Part 12: Questionnaires: Receiver

– ITU-T H.845.15 (11/2015): Conformance testing: PAN/LAN/TAN interface Part 5O: Sleep apnoea breathing therapy equipment: Agent

– ITU-T K.107 (11/2015): Method for determining the impedance to earth of earthing systems

– ITU-T K.108 (11/2015): Joint-use of poles by telecommunication and solidly earthed power lines

– ITU-T K.109 (11/2015): Installation of telecommunication equipment on utility poles

– ITU-T K.111 (11/2015): Protection of surrounding structures of telecommunication towers against lightning

– ITU-T K.113 (11/2015): Generation of radiofrequency electromagnetic fields (RF-EMF) level maps

– ITU-T K.114 (11/2015): Electromagnetic compatibility requirements and measurement methods for digital cellular mobile communication base station equipment

– ITU-T K.115 (11/2015): Mitigation methods against electromagnetic security threats

– ITU-T K.116 (11/2015): EMC requirements and test methods for radio telecommunication terminal equipment

– ITU-T L.1302 (11/2015): Assessment of energy efficiency on infrastructure in data centre and telecom centre

– ITU-T L.1502 (11/2015): Adapting information and communication technology infrastructure to the effects of climate change

– ITU-T T.24 (1998) Cor. 1 (11/2015): Clarifications in Table 1

– ITU-T T.38 (11/2015): Procedures for real-time Group 3 facsimile communication over IP networks

– ITU-T T.800 (11/2015): Information technology – JPEG 2000 image coding system: Core coding system

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

**Note from TSB**

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

|  |  |
| --- | --- |
| *Country*/*geographical area or signalling network* | *SANC* |
| Japan | 4-090 |
|  |  |

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

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

Telephone Service
(Recommendation ITU-T E.164)

url: [www.itu.int/itu-t/inr/nnp](http://www.itu.int/itu-t/inr/nnp)

**Chad** **(country code +235)**

Communication of 25.XI.2015:

The *Autorité de Régulation des Communications Electroniques et des Postes*, N'Djamena, announces the following update in the national numbering plan of Chad.

General information:

Country Code: 235

International Prefix: 00

National Prefix: --

Length of national (significant) number

(excluding national prefix): minimum 8 digits
 maximum 8 digits

Universal Time Coordinated/Summer Time: UTC +1

Description of introduction of new resource for national numbering plan for country code 235:

| (1) | (2) | (3) | (4) |
| --- | --- | --- | --- |
| *NDC (National Destination Code) or leading digits of N(S)N (National (Significant) Number)* | *N(S)N Number length* | *Usage ofITU-T E.164 number* | *Time and date of introduction* |
| *Maximum length* | *Minimum length* |
| 65000000 – 65999999  | 8 | 8 | Non-geographic number – mobile telephony service – assigned to AIRTEL-TCHAD | 14.I.2015 |

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**Gambia** **(country code +220)**

Communication of 19.XI.2015:

The *Public Utilities Regulatory Authority (PURA),* Bakau, announces the following updated National Numbering Plan (NNP) for The Gambia.

| *Usage* | *Service* | *1st DigitB* | *2nd DigitP* | *3rd DigitQ* | *Other DigitsMCDU* | *Remarks* |
| --- | --- | --- | --- | --- | --- | --- |
| International access | International access | 0 | X | X | XXXX |  |
| Short codes | Special services | 1 | X | X | XXXX |  |
| AFRICELL | MOBILE | 2 | X | X | XXXX |   |
| QCELL | MOBILE | 3 | X | X | XXXX |  |
| GAMTEL | PSTN | 4 | X | X | XXXX |  |
| GAMTEL | PSTN | 5 | X | X | XXXX |  |
| COMIUM | MOBILE | 6 | X | X | XXXX |  |
| AFRICELL | MOBILE | 7 | X | X | XXXX |  |
| GAMTEL | Fixed/wireless | 8 | X | X | XXXX |  |
| GAMCEL | MOBILE | 9 | X | X | XXXX |  |

• Fixed service

| *Locality* | *Current number series* | *Number length* | *Operator* |
| --- | --- | --- | --- |
| BAJA KUNDA | 566 XXXX | seven digits | GAMTEL |
| BAKAU | 449 XXXX | seven digits | GAMTEL |
| BANJUL | 42X XXXX | seven digits | GAMTEL |
| BANSANG | 567 4XXX | seven digits | GAMTEL |
| BARRA | 571 0XXX | seven digits | GAMTEL |
| BASSE | 566 XXXX | seven digits | GAMTEL |
| BERENDING | 441 95XX | seven digits | GAMTEL |
| BONDALI | 448 0XXX | seven digits | GAMTEL |
| BRIKAMA | 448 XXXX | seven digits | GAMTEL |
| BRIKAMA-BA | 567 8XXX | seven digits | GAMTEL |
| BRUFUT | 441 0XXX | seven digits | GAMTEL |
| BUNDUNG | 43X XXXX | seven digits | GAMTEL |
| BURENG | 554 4XXX | seven digits | GAMTEL |
| BWIAM | 448 9XXX | seven digits | GAMTEL |
| FARABA | 448 7XXX | seven digits | GAMTEL |
| FARAFENNI | 573 5XXX | seven digits | GAMTEL |
| FATOTO | 566 XXXX | seven digits | GAMTEL |
| GAMBISARA | 566 XXXX | seven digits | GAMTEL |
| GEORGETOWN | 567 6XXX | seven digits | GAMTEL |
| GARAWOL | 566 XXXX | seven digits | GAMTEL |
| GUNJUR | 448 6XXX | seven digits | GAMTEL |
| ILIASA | 572 5XXX | seven digits | GAMTEL |
| JAPENEH | 554 3XXX | seven digits | GAMTEL |
| JARENG | 554 7XXX | seven digits | GAMTEL |
| KAFUTA | 448 5XXX | seven digits | GAMTEL |
| KAIAF | 554 0XXX | seven digits | GAMTEL |
| KANILIA | 448 XXXX | seven digits | GAMTEL |
| KARTONG | 441 9XXX | seven digits | GAMTEL |
| KAUR | 574 8XXX | seven digits | GAMTEL |
| KEREWAN | 572 0XXX | seven digits | GAMTEL |
| KOTU | 446 XXXX | seven digits | GAMTEL |
| KUDANG | 554 6XXX | seven digits | GAMTEL |
| KUNTAUR | 566 5XXX | seven digits | GAMTEL |
| KWENELLA | 554 1XXX | seven digits | GAMTEL |
| MISERA | 566 XXXX | seven digits | GAMTEL |
| NDUGUKEBBE | 571 4XXX | seven digits | GAMTEL |
| NGENSANJAL | 573 8XXX | seven digits | GAMTEL |
| NJABAKUNDA | 572 3XXX | seven digits | GAMTEL |
| NUMEYEL | 566 6XXX | seven digits | GAMTEL |
| NYOROJATTABA | 554 2XXX | seven digits | GAMTEL |
| PAKALIBA | 554 5XXX | seven digits | GAMTEL |
| SAMBAKUNDA | 566 XXXX | seven digits | GAMTEL |
| SANYANG | 441 7XXX | seven digits | GAMTEL |
| SENEGAMBIA | 446 XXXX | seven digits | GAMTEL |
| SEREKUNDA | 43X XXXX | seven digits | GAMTEL |
| SIBANOR | 448 8XXX | seven digits | GAMTEL |
| SOMA | 554 3XXX | seven digits | GAMTEL |
| SOTUMA | 567 XXXX | seven digits | GAMTEL |
| SUDOWOL | 566 XXXX | seven digits | GAMTEL |
| TANJI | 441 2XXX | seven digits | GAMTEL |
| TUJERENG | 441 6XXX | seven digits | GAMTEL |
| YUNDUM | 447 XXXX | seven digits | GAMTEL |
| Fixed/Wireless (CDMA) | 8XX XXXX | seven digits | GAMTEL |

• Mobile service

| *Service* | *Number series* | *Number length* | *Operator* |
| --- | --- | --- | --- |
| Mobile GSM/3G | 30X XXXX | seven digits | QCELL |
|  | 31X XXXX | seven digits | QCELL |
|  | 32X XXXX | seven digits | QCELL |
|  | 33X XXXX | seven digits | QCELL |
|  | 34X XXXX | seven digits | QCELL |
|  | 35X XXXX | seven digits | QCELL |
|  | 36X XXXX | seven digits | QCELL |
|  | 37X XXXX | seven digits | QCELL |
|  | 38X XXXX | seven digits | QCELL |
|  | 39X XXXX | seven digits | QCELL |
| Mobile GPRS | 60X XXXX | seven digits | COMIUM |
|  | 61X XXXX | seven digits | COMIUM |
|  | 62X XXXX | seven digits | COMIUM |
|  | 63X XXXX | seven digits | COMIUM |
|  | 64X XXXX | seven digits | COMIUM |
|  | 65X XXXX | seven digits | COMIUM |
|  | 66X XXXX | seven digits | COMIUM |
|  | 67X XXXX | seven digits | COMIUM |
|  | 68X XXXX | seven digits | COMIUM |
|  | 69X XXXX | seven digits | COMIUM |
| Mobile GSM/3G | 20X XXXX | seven digits | AFRICELL |
|  | 21X XXXX | seven digits | AFRICELL |
|  | 22X XXXX | seven digits | AFRICELL |
|  | 23X XXXX | seven digits | AFRICELL |
|  | 24X XXXX | seven digits | AFRICELL |
|  | 25X XXXX | seven digits | AFRICELL |
|  | 26X XXXX | seven digits | AFRICELL |
|  | 27X XXXX | seven digits | AFRICELL |
|  | 28X XXXX | seven digits | AFRICELL |
|  | 29X XXXX | seven digits | AFRICELL |
|  | 70X XXXX | seven digits | AFRICELL |
|  | 71X XXXX | seven digits | AFRICELL |
|  | 72X XXXX | seven digits | AFRICELL |
|  | 73X XXXX | seven digits | AFRICELL |
|  | 74X XXXX | seven digits | AFRICELL |
|  | 75X XXXX | seven digits | AFRICELL |
|  | 76X XXXX | seven digits | AFRICELL |
|  | 77X XXXX | seven digits | AFRICELL |
|  | 78X XXXX | seven digits | AFRICELL |
|  | 79X XXXX | seven digits | AFRICELL |
| Mobile GSM/3G | 9XX XXXX | seven digits | GAMCEL |
|  | 91X XXXX | seven digits | GAMCEL |
|  | 92X XXXX | seven digits | GAMCEL |
|  | 93X XXXX | seven digits | GAMCEL |
|  | 94X XXXX | seven digits | GAMCEL |
|  | 95X XXXX | seven digits | GAMCEL |
|  | 96X XXXX | seven digits | GAMCEL |
|  | 97X XXXX | seven digits | GAMCEL |
|  | 98X XXXX | seven digits | GAMCEL |
|  | 99X XXXX | seven digits | GAMCEL |

International dialling format: +220 XXX XXXX

Communication of 19.XI.2015:

The *Public Utilities Regulatory Authority (PURA),* Bakau, has observed with great concern the usage of Gambian telephone numbers with country code 220 by illegal service providers to indulge into certain malpractices including but not limited to fraud and adult services.

In this vein, PURA, therefore wishes to announce of such malpractices and consequently urges all Operators/Service providers to ensure all numbers dialled with The Gambian Country Code are routed to The Gambia and must not be terminated in any other country**.**

All stakeholdersare thus, kindly requested to instruct their Operators/Service Providers to route all Gambian numbers to Gambia via the international network and not to Premium Rate service providers.

Further information on the numbering plan of The Gambia can be found on url: www.itu.int/ITU-T/inr/nnp/

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URL: www.pura.gm

**Papua New Guinea** **(country code +675)**

Communication of 19.XI.2015:

The *National Information and Communication Technology Authority (NICTA)*, Boroko, announces the following update in the national numbering plan of Papua New Guinea.

Description of introduction of new resources for national E.164 numbering plan for country code 675:

| (1) | (2) | (3) | (4) |
| --- | --- | --- | --- |
| *NDC (National Destination Code) or leading digits of N(S)N (National (Significant) Number)* | *N(S)N Number length* | *Usage ofITU-T E.164 number* | *Additional information* |
| *Maximum length* | *Minimum length* |
| 74000000 – 74999999 (NDC) | 8 | 8 | Non-geographic number – assigned to Digicel (PNG) Limited | GSM Mobile service |
| 75000000 – 75999999 (NDC) | 8 | 8 | Non-geographic number – assigned to Bemobile Ltd | GSM Mobile service |
| 78000000 – 78999999 (NDC) | 8 | 8 | Non-geographic number – assigned to Telikom PNG Limited | GSM Mobile service |
| 79000000 – 79999999 (NDC) | 8 | 8 | Non-geographic number – assigned to Digicel (PNG) Limited | GSM Mobile service |

Contact:

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Fax: +675 325 6868
E-mail: cpunaha@nicta.gov.pg
URL: www.nicta.gov.pg

Other communication

**Austria**

Communication of 19.XI.2015:

On the occasion of the "YOTA (Youngsters on the Air) December Month", the Austrian Administration authorizes an Austrian amateur station to use the special call sign **OE15YOTA** from 1to 31 December2015.

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) |  |  |
| Thailand | 1034 (p.5) |  |  |
| São Tomé and Principe | 1039 (p.14) |  |  |
| Uruguay | 1039 (p.14) |  |  |
| Hong Kong, China | 1068 (p.4) |  |  |

Call – Back
and alternative calling procedures (Res. 21 Rev. PP – 2006)

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 2013

(Amendment No. 11)

**PART I**

**STATIONS IN THE TERRESTRIAL RADIOCOMMUNICATION SERVICES**

**INS Indonesia**

**P** 194-198 **REP**

|  |
| --- |
| **INS - Indonesia** |
| **Centralizing office** | **Postal address** | **Telephone, Telefax,Electronic-mail** | **Remarks** |
| Directorate of Radio Frequency Spectrum and Satellite OrbitDirectorate General of Posts and Telecommunications (DG Postel) | Jalan Medan MerdekaBarat No. 1710110 Jakarta | TF : +62 21 3835991FAX : +62 21 3522915 |  |

|  |  |  |
| --- | --- | --- |
| **Name of the station** | **Postal address** | **Telephone, Telefax, Electronic-mail** |
| MSCK-Tangerang | Jalan Raya Cisoka - Desa CangkuduKecamatan Balaraja15610 Tangerang BantenIndonesia | TF : +62 21 5950941FAX : +62 21 5953535EMAIL : upt\_banten@postel.go.id |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Geographical coordinates** | **Types of measurements** | **Ranges offrequencies for eachmeasurement** | **Hoursofservice** | **Remarks** |
| 06°14'05''S106°25'17''E | Frequency measurements | 10 kHz - 30 MHz | H24 |  |
| 06°14'05''S106°25'17''E | Field strength or powerflux-density measurements | 30 kHz - 30 MHz | H24   |  |
| 06°14'05''S106°25'17''E | Direction-findingmeasurements | 30 kHz - 30 MHz | H24 | Crossed loop antenna.Adcock antenna. |
| 06°14'05''S106°25'17''E | Bandwidth measurements | 10 kHz - 30 MHz | H24 |  |

*(cont.)*

**INS Indonesia** *(cont.)*

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| **Name of the station** | **Postal address** | **Telephone, Telefax, Electronic-mail** |
| MSKH-Kupang | Jalan Baktakte - Desa Kuanheun85352 Nusa Tenggara TimurWest KupangIndonesia | TF : +62 38 0828311FAX : +62 38 0828311EMAIL : upt\_kupang@postel.go.id |

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| **Geographical coordinates** | **Types of measurements** | **Ranges offrequencies for eachmeasurement** | **Hoursofservice** | **Remarks** |
| 10°14'09''S123°32'06''E | Frequency measurements | 10 kHz - 30 MHz | H24   |  |
| 10°14'09''S123°32'06''E | Field strength or powerflux-density measurements | 30 kHz - 30 MHz | H24   |  |
| 10°14'09''S123°32'06''E | Direction-findingmeasurements | 30 kHz - 30 MHz | H24   | Crossed loop antenna.Adcock antenna. |
| 10°14'09''S123°32'06''E | Bandwidth measurements | 10 kHz - 30 MHz | H24   |  |

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| **Name of the station** | **Postal address** | **Telephone, Telefax, Electronic-mail** |
| MSPA-Samarinda | Jalan Telkom - Desa PangkalanKel. Pulau AtasP.O. Box 124175115 SamarindaEast KalimantanIndonesia | TF : +62 54 1748696FAX : +62 54 1748696EMAIL : upt\_samarinda@postel.go.id |

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| **Geographical coordinates** | **Types of measurements** | **Ranges offrequencies for eachmeasurement** | **Hoursofservice** | **Remarks** |
| 00°32'41''S117°11'35''E | Frequency measurements | 10 kHz - 30 MHz | H24   |  |
| 00°32'41''S117°11'35''E | Field strength or powerflux-density measurements | 30 kHz - 30 MHz | H24   |  |
| 00°32'41''S117°11'35''E | Direction-findingmeasurements | 30 kHz - 30 MHz | H24   | Crossed loop antenna.Adcock antenna. |
| 00°32'41''S117°11'35''E | Bandwidth measurements | 10 kHz - 30 MHz | H24   |  |

*(cont.)*

**INS Indonesia** *(cont.)*

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| **Name of the station** | **Postal address** | **Telephone, Telefax, Electronic-mail** |
| MSTM-Medan | 10, Jalan Willem Iskandar20221 MedanNorth SumateraIndonesia | TF : +62 61 6630985FAX : +62 61 6621717EMAIL : upt\_medan@postel.go.id |

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| **Geographical coordinates** | **Types of measurements** | **Ranges offrequencies for eachmeasurement** | **Hoursofservice** | **Remarks** |
| 03°29'50''N098°44'30''E | Frequency measurements | 10 kHz - 30 MHz | H24   |  |
| 03°29'50''N098°44'30''E | Field strength or powerflux-density measurements | 30 kHz - 30 MHz | H24   |  |
| 03°29'50''N098°44'30''E | Direction-findingmeasurements | 30 kHz - 30 MHz | H24   | Crossed loop antenna.Adcock antenna. |
| 03°29'50''N098°44'30''E | Bandwidth measurements | 10 kHz - 30 MHz | H24   |  |

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| **Name of the station** | **Postal address** | **Telephone, Telefax, Electronic-mail** |
| MSWR-Merauke | Jalan Trans IrianKec. WasurMerauke - Irian JayaIndonesia | TF : +62 97 1321701FAX : +62 97 1321701EMAIL : upt\_merauke@postel.go.id |

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| **Geographical coordinates** | **Types of measurements** | **Ranges offrequencies for eachmeasurement** | **Hoursofservice** | **Remarks** |
| 08°32'16''S140°27'02''E | Frequency measurements | 10 kHz - 30 MHz | H24   |  |
| 08°32'16''S140°27'02''E | Field strength or powerflux-density measurements | 30 kHz - 30 MHz | H24   |  |
| 08°32'16''S140°27'02''E | Direction-findingmeasurements | 30 kHz - 30 MHz | H24   | Crossed loop antenna.Adcock antenna. |
| 08°32'16''S140°27'02''E | Bandwidth measurements | 10 kHz - 30 MHz | H24   |  |

Mobile Network Codes (MNC) for the international identification plan
for public networks and subscriptions
(According to Recommendation ITU-T E.212 (05/2008))
(Position on 15 October 2015)

 (Annex to ITU Operational Bulletin No. 1086 – 15.X.2015)

(Amendment No. 3)

***Country/Geographical area*** ***MCC+MNC \**** ***Operator/Network***

**Namibia ADD**

 649 05 Demshi Investments CC

**South Africa ADD**

 655 38 Wireless Business Solutions (Pty) Ltd

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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

List of Signalling Area/Network Codes (SANC)
(Complement to Recommendation ITU-T Q.708 (03/1999))
(Position on 15 December 2014)

(Annex to ITU Operational Bulletin No. 1066 – 15.XII.2014)
(Amendment No. 11)

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| **Numerical order ADD** |
|  | 4-090 | Japan |

|  |
| --- |
| **Alphabetical order ADD** |
|  | 4-090 | Japan |

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SANC: Signalling Area/Network Code.

 Code de zone/réseau sémaphore (CZRS).

 Código de zona/red de señalización (CZRS).

**List of International Signalling Point Codes (ISPC)
(According to Recommendation ITU-T Q.708 (03/1999))
(Position on 1 January 2015)**

(Annex to ITU Operational Bulletin No. 1067 – 1.I.2015)
(Amendment No. 22)

| *Country/ Geographical Area* | *Unique name of the signalling point* | *Name of the signalling point operator* |
| --- | --- | --- |
| *ISPC* | *DEC* |
| **Belgium ADD** |
| 2-015-7 | 4223 | Globaltouch | Roamware |
| **Czech Rep. ADD** |
| 2-230-5 | 5941 | SAPH | O2 Czech Republic a.s. |
| 2-230-6 | 5942 | SABO | O2 Czech Republic a.s. |
| **Hungary ADD** |
| 4-243-2 | 10138 | Bp. MGWF | Magyar Telekom Plc |
| 4-243-3 | 10139 | Bp. MGWG | Magyar Telekom Plc |
| 6-251-5 | 14301 | Bp. IP STP MST2 | Magyar Telekom Plc |
| 6-251-7 | 14303 | Bp. IP STP MST1 | Magyar Telekom Plc |
| **Japan LIR** |
| 4-080-3 | 8835 | Tokyo-B | KVH Co. Ltd. |
| 4-080-5 | 8837 | Tokyo1 | Primus Telecommunications K.K. |
| 4-081-4 | 8844 | Tokyo1 | T-Systems Japan K.K. |
| 4-081-5 | 8845 | Tokyo2 | T-Systems Japan K.K. |
| 4-081-6 | 8846 | TOKYO1 | NTT Communications Corporation |
| 4-081-7 | 8847 | OSAKA1 | NTT Communications Corporation |
| 4-082-0 | 8848 | Tokyo1 | Saiki-Tech Communication Japan Co. Ltd. |
| 4-082-1 | 8849 | Tokyo2 | Saiki-Tech Communication Japan Co. Ltd. |
| 4-082-4 | 8852 | Fukagawa-01 | IPS Inc. |
| 4-083-3 | 8859 | TOKYO2 | NTT Communications Corporation |
| 4-084-3 | 8867 | Tokyo Brastel IGS-3 | Brastel Company Ltd. |
| 4-084-4 | 8868 | Tokyo Brastel IGS-2 | Brastel Company Ltd. |
| 4-084-7 | 8871 | Tokyo-A | KVH Co. Ltd. |
| 4-085-3 | 8875 | Fukagawa-02 | IPS Inc. |
| 4-085-5 | 8877 | OSAKA2 | NTT Communications Corporation |
| 4-085-6 | 8878 | Tokyo2 | Primus Telecommunications K.K. |
| 4-086-6 | 8886 | TOKYO3 | NTT Communications Corporation |
| 4-086-7 | 8887 | OSAKA3 | NTT Communications Corporation |
| **Namibia ADD** |
| 6-098-7 | 13079 | DEMNAM2 | Demshi Investments CC |
| **Singapore ADD** |
| 5-143-4 | 11388 | WHC - Epsilon1 | World Hub C-Cloud Pte Ltd |
| 5-143-5 | 11389 | WHC - Epsilon2 | World Hub C-Cloud Pte Ltd |
| **South Africa SUP** |
| 6-113-3 | 13195 | SMSPortal-0 | SMS Portal (Pty) Ltd |
| **South Africa ADD** |
| 6-109-6 | 13166 | RJBZ-00 | Telkom S.A. Ltd |
| 6-109-7 | 13167 | RJSZ-00 | Telkom S.A. Ltd |

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ISPC: International Signalling Point Codes.

 Codes de points sémaphores internationaux (CPSI).

 Códigos de puntos de señalización internacional (CPSI).

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

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

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

For their numbering website, or when sending their information to ITU/TSB (e-mail: tsbtson@itu.int), administrations are kindly requested to use the format as explained in Recommendation ITU-T E.129. They are reminded that they will be responsible for the timely update of this information.

From 15.XI.2015 the following countries have updated their national numbering plan on our site:

|  |  |
| --- | --- |
| *Country* | *Country Code (CC)* |
| Curaçao | +599 |
| Tuvalu | +688 |
| Wallis and Futuna | +681 |