

# ITU Operational Bulletin

www.itu.int/itu-t/bulletin

No. **1090**

15.XII.2015

(Information received by 1 December 2015) ISSN 1564-5223 (Online)

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# GENERAL INFORMATION

## Lists annexed to the ITU Operational Bulletin

### Note from TSB

A. The following Lists have been published by TSB or BR as Annexes to the ITU Operational Bulletin (OB):  
OB No.

- 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))	<a href="http://www.itu.int/ITU-T/inr/icc/index.html">www.itu.int/ITU-T/inr/icc/index.html</a>
Bureaufax Table (ITU-T Rec. F.170)	<a href="http://www.itu.int/ITU-T/inr/bureaufax/index.html">www.itu.int/ITU-T/inr/bureaufax/index.html</a>
List of recognized operating agencies (ROAs)	<a href="http://www.itu.int/ITU-T/inr/roa/index.html">www.itu.int/ITU-T/inr/roa/index.html</a>

## 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 50: 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):

<i>Country/geographical area or signalling network</i>	<i>SANC</i>
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)
<i>NDC (National Destination Code) or leading digits of N(S)N (National (Significant) Number)</i>	<i>N(S)N Number length</i>		<i>Usage of ITU-T E.164 number</i>	<i>Time and date of introduction</i>
	<i>Maximum length</i>	<i>Minimum length</i>		
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.

<i>Usage</i>	<i>Service</i>	<i>1st Digit B</i>	<i>2nd Digit P</i>	<i>3rd Digit Q</i>	<i>Other Digits MCDU</i>	<i>Remarks</i>
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

<i>Locality</i>	<i>Current number series</i>	<i>Number length</i>	<i>Operator</i>
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

<i>Locality</i>	<i>Current number series</i>	<i>Number length</i>	<i>Operator</i>
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

<i>Service</i>	<i>Number series</i>	<i>Number length</i>	<i>Operator</i>
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

<i>Service</i>	<i>Number series</i>	<i>Number length</i>	<i>Operator</i>
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 stakeholders are 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/](http://www.itu.int/ITU-T/inr/nnp/)

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 URL: [www.pura.gm](http://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)
<i>NDC (National Destination Code) or leading digits of N(S)N (National (Significant) Number)</i>	<i>N(S)N Number length</i>		<i>Usage of ITU-T E.164 number</i>	<i>Additional information</i>
	<i>Maximum length</i>	<i>Minimum length</i>		
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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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 1 to 31 December 2015.

## Service Restrictions

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

<i>Country/geographical area</i>	<i>OB</i>
Seychelles	1006 (p.13)
Slovakia	1007 (p.12)
Thailand	1034 (p.5)
São Tomé and Príncipe	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/](http://www.itu.int/pub/T-SP-PP.RES.21-2011/)

# AMENDMENTS TO SERVICE PUBLICATIONS

Abbreviations used

<b>ADD</b>	Insert	<b>PAR</b>	paragraph
<b>COL</b>	Column	<b>REP</b>	replace
<b>LIR</b>	Read	<b>SUP</b>	Delete
<b>P</b>	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 Orbit Directorate General of Posts and Telecommunications (DG Postel)	Jalan Medan Merdeka Barat No. 17 10110 Jakarta	TF : +62 21 3835991 FAX : +62 21 3522915	

Name of the station	Postal address	Telephone, Telefax, Electronic-mail
MSCK-Tangerang	Jalan Raya Cisoka - Desa Cangkudu Kecamatan Balaraja 15610 Tangerang Banten Indonesia	TF : +62 21 5950941 FAX : +62 21 5953535 EMAIL : upt_banten@postel.go.id

Geographical coordinates	Types of measurements	Ranges of frequencies for each measurement	Hours of service	Remarks
06°14'05"S 106°25'17"E	Frequency measurements	10 kHz - 30 MHz	H24	
06°14'05"S 106°25'17"E	Field strength or power flux-density measurements	30 kHz - 30 MHz	H24	
06°14'05"S 106°25'17"E	Direction-finding measurements	30 kHz - 30 MHz	H24	Crossed loop antenna. ----- Adcock antenna.
06°14'05"S 106°25'17"E	Bandwidth measurements	10 kHz - 30 MHz	H24	

(cont.)

**INS Indonesia (cont.)**

Name of the station	Postal address	Telephone, Telefax, Electronic-mail
MSKH-Kupang	Jalan Baktakte - Desa Kuanheun 85352 Nusa Tenggara Timur West Kupang Indonesia	TF : +62 38 0828311 FAX : +62 38 0828311 EMAIL : upt_kupang@postel.go.id

Geographical coordinates	Types of measurements	Ranges of frequencies for each measurement	Hours of service	Remarks
10°14'09"S 123°32'06"E	Frequency measurements	10 kHz - 30 MHz	H24	
10°14'09"S 123°32'06"E	Field strength or power flux-density measurements	30 kHz - 30 MHz	H24	
10°14'09"S 123°32'06"E	Direction-finding measurements	30 kHz - 30 MHz	H24	Crossed loop antenna. ----- Adcock antenna.
10°14'09"S 123°32'06"E	Bandwidth measurements	10 kHz - 30 MHz	H24	

Name of the station	Postal address	Telephone, Telefax, Electronic-mail
MSPA-Samarinda	Jalan Telkom - Desa Pangkalan Kel. Pulau Atas P.O. Box 1241 75115 Samarinda East Kalimantan Indonesia	TF : +62 54 1748696 FAX : +62 54 1748696 EMAIL : upt_samarinda@postel.go.id

Geographical coordinates	Types of measurements	Ranges of frequencies for each measurement	Hours of service	Remarks
00°32'41"S 117°11'35"E	Frequency measurements	10 kHz - 30 MHz	H24	
00°32'41"S 117°11'35"E	Field strength or power flux-density measurements	30 kHz - 30 MHz	H24	
00°32'41"S 117°11'35"E	Direction-finding measurements	30 kHz - 30 MHz	H24	Crossed loop antenna. ----- Adcock antenna.
00°32'41"S 117°11'35"E	Bandwidth measurements	10 kHz - 30 MHz	H24	

(cont.)

**INS Indonesia (cont.)**

Name of the station	Postal address	Telephone, Telefax, Electronic-mail
MSTM-Medan	10, Jalan Willem Iskandar 20221 Medan North Sumatera Indonesia	TF : +62 61 6630985 FAX : +62 61 6621717 EMAIL : upt_medan@postel.go.id

Geographical coordinates	Types of measurements	Ranges of frequencies for each measurement	Hours of service	Remarks
03°29'50"N 098°44'30"E	Frequency measurements	10 kHz - 30 MHz	H24	
03°29'50"N 098°44'30"E	Field strength or power flux-density measurements	30 kHz - 30 MHz	H24	
03°29'50"N 098°44'30"E	Direction-finding measurements	30 kHz - 30 MHz	H24	Crossed loop antenna. ----- Adcock antenna.
03°29'50"N 098°44'30"E	Bandwidth measurements	10 kHz - 30 MHz	H24	

Name of the station	Postal address	Telephone, Telefax, Electronic-mail
MSWR-Merauke	Jalan Trans Irian Kec. Wasur Merauke - Irian Jaya Indonesia	TF : +62 97 1321701 FAX : +62 97 1321701 EMAIL : upt_merauke@postel.go.id

Geographical coordinates	Types of measurements	Ranges of frequencies for each measurement	Hours of service	Remarks
08°32'16"S 140°27'02"E	Frequency measurements	10 kHz - 30 MHz	H24	
08°32'16"S 140°27'02"E	Field strength or power flux-density measurements	30 kHz - 30 MHz	H24	
08°32'16"S 140°27'02"E	Direction-finding measurements	30 kHz - 30 MHz	H24	Crossed loop antenna. ----- Adcock antenna.
08°32'16"S 140°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)

<i>Country/Geographical area</i>	<i>MCC+MNC *</i>	<i>Operator/Network</i>
<b>Namibia ADD</b>	649 05	Demshi Investments CC
<b>South Africa ADD</b>	655 38	Wireless Business Solutions (Pty) Ltd

\* 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)

**Numerical order    ADD**  
4-090            Japan

**Alphabetical order    ADD**  
4-090            Japan

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)

<i>Country/ Geographical Area</i>			<i>Unique name of the signalling point</i>	<i>Name of the signalling point operator</i>
<i>ISPC</i>	<i>DEC</i>			
<b>Belgium ADD</b>				
2-015-7	4223		Globaltouch	Roamware
<b>Czech Rep. ADD</b>				
2-230-5	5941		SAPH	O2 Czech Republic a.s.
2-230-6	5942		SABO	O2 Czech Republic a.s.
<b>Hungary ADD</b>				
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
<b>Japan LIR</b>				
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

<i>Country/ Geographical Area</i>	<i>ISPC</i>	<i>DEC</i>	<i>Unique name of the signalling point</i>	<i>Name of the signalling point operator</i>
<b>Namibia ADD</b>				
	6-098-7	13079	DEMNAM2	Demshi Investments CC
<b>Singapore ADD</b>				
	5-143-4	11388	WHC - Epsilon1	World Hub C-Cloud Pte Ltd
	5-143-5	11389	WHC - Epsilon2	World Hub C-Cloud Pte Ltd
<b>South Africa SUP</b>				
	6-113-3	13195	SMSPortal-0	SMS Portal (Pty) Ltd
<b>South Africa ADD</b>				
	6-109-6	13166	RJBZ-00	Telkom S.A. Ltd
	6-109-7	13167	RJSZ-00	Telkom S.A. Ltd

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](http://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.XI.2015 the following countries have updated their national numbering plan on our site:

<i>Country</i>	<i>Country Code (CC)</i>
Curaçao	+599
Tuvalu	+688
Wallis and Futuna	+681