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1072	15.III.2015	2.III.2015
1073	1.IV.2015	18.III.2015
1074	15.IV.2015	31.III.2015
1075	1.V.2015	17.IV.2015
1076	15.V.2015	1.V.2015
1077	1.VI.2015	18.V.2015
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1079	1.VII.2015	17.VI.2015
1080	15.VII.2015	1.VII.2015
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1082	15.VIII.2015	3.VIII.2015
1083	1.IX.2015	18.VIII.2015
1084	15.IX.2015	1.IX.2015
1085	1.X.2015	17.IX.2015
1086	15.X.2015	1.X.2015
1087	1.XI.2015	19.X.2015
1088	15.XI.2015	2.XI.2015
1089	1.XII.2015	17.XI.2015
1090	15.XII.2015	1.XII.2015

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.

- 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 2015)
- 1060 List of ITU Carrier Codes (According to ITU-T Recommendation M.1400 (03/2013)) (Position on 15 September 2014)
- 1056 Mobile Network Codes (MNC) for the international identification plan for public networks and subscriptions (According to ITU-T Recommendation E.212 (05/2008)) (Position on 15 July 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)
- 1049 Legal time 2014
- 1040 List of Issuer Identifier Numbers for the International Telecommunication Charge Card (In accordance with ITU-T Recommendation E.118 (05/2006)) (Position on 15 November 2013)
- 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)) (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)
- 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-49, 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 G.695 (01/2015): Optical interfaces for coarse wavelength division multiplexing applications
- TU-T G.709/Y.1331 (2012) Cor. 2 (01/2015)
- ITU-T G.709/Y.1331 (2012) Amd. 4 (01/2015)
- ITU-T G.783 (2006) Cor. 1 (01/2015)
- ITU-T G.798 (2012) Amd. 2 (01/2015): Characteristics of optical transport network hierarchy equipment functional blocks
- ITU-T G.977 (01/2015): Characteristics of optically amplified optical fibre submarine cable systems
- ITU-T G.993.2 (01/2015): Very high speed digital subscriber line transceivers 2 (VDSL2)
- ITU-T G.993.5 (01/2015): Self-FEXT cancellation (vectoring) for use with VDSL2 transceivers
- ITU-T G.998.4 (01/2015): Improved impulse noise protection for DSL transceivers
- ITU-T G.7041/Y.1303 (2011) Amd. 3 (01/2015)
- ITU-T G.7714.1/Y.1705.1 (01/2015): Protocol for automatic discovery in SDH and OTN networks
- ITU-T G.8011/Y.1307 (01/2015): Ethernet service characteristics
- ITU-T G.8031/Y.1342 (01/2015): Ethernet linear protection switching
- ITU-T G.8101/Y.1355 (01/2015): Terms and definitions for MPLS transport profile
- ITU-T G.8112/Y.1371 (2012) Cor. 1 (01/2015):
- ITU-T G.8151/Y.1374 (01/2015): Management aspects of the MPLS-TP network element
- ITU-T G.8201 (2011) Cor. 1 (01/2015)
- ITU-T G.8261/Y.1361 (2013) Amd. 1 (01/2015)
- ITU-T G.8262/Y.1362 (01/2015): Timing characteristics of a synchronous Ethernet equipment slave clock
- ITU-T G.8264/Y.1364 (2014) Amd. 1 (01/2015)
- ITU-T G.8271/Y.1366 (2012) Amd. 2 (01/2015)
- ITU-T G.8271.1/Y.1366.1 (2013) Amd. 2 (01/2015)
- ITU-T G.8272/Y.1367 (01/2015): Timing characteristics of primary reference time clocks
- ITU-T G.8273/Y.1368 (2013) Amd. 1 (01/2015)
- ITU-T G.8273.2/Y.1368.2 (2014) Amd. 1 (01/2015)
- ITU-T G.8275/Y.1369 (2013) Amd. 1 (01/2015)
- ITU-T G.8275.1/Y.1369.1 (2014) Cor. 1 (01/2015)
- ITU-T G.9959 (01/2015): Short range narrow-band digital radiocommunication transceivers – PHY and MAC layer specifications
- ITU-T H.831 (01/2015): Conformance testing: WAN Interface Part 1: Web services interoperability: Sender
- ITU-T H.832 (01/2015): Conformance testing: WAN Interface Part 2: Web services interoperability: Receiver
- ITU-T H.833 (01/2015): Conformance testing: WAN Interface Part 3: SOAP/ATNA: Sender
- ITU-T H.834 (01/2015): Conformance testing: WAN Interface Part 4: SOAP/ATNA: Receiver
- ITU-T H.835 (01/2015): Conformance testing: WAN Interface Part 5: PCD-01 HL7 Messages: Sender
- ITU-T H.836 (01/2015): Conformance testing: WAN Interface Part 6: PCD-01 HL7 Messages: Receiver
- ITU-T H.837 (01/2015): Conformance testing: WAN Interface Part 7: Consent Management: Sender
- ITU-T H.838 (01/2015): Conformance testing: WAN Interface Part 8: Consent Management: Receiver
- ITU-T H.840 (01/2015): Conformance testing: PAN/LAN/TAN: USB host
- ITU-T H.841 (01/2015): Conformance testing: PAN/LAN/TAN Interface Part 1: Optimized Exchange Protocol (IEEE Std 11073-20601a-2010): Agent
- ITU-T H.842 (01/2015): Conformance testing: PAN/LAN/TAN Interface Part 2: Optimized exchange protocol (IEEE 11073-20601a-2010): Manager
- ITU-T H.843 (01/2015): Conformance testing: PAN/LAN/TAN Interface Part 3: Continua Design Guidelines: Agent
- ITU-T H.844 (01/2015): Conformance testing: PAN/LAN/TAN Interface Part 4: Continua Design Guidelines: Manager

- ITU-T H.845.1 (01/2015): Conformance testing: PAN/LAN/TAN Interface Part 5A: Weighing scale
- ITU-T H.845.2 (01/2015): Conformance testing: PAN/LAN/TAN Interface Part 5B: Glucose meter
- ITU-T H.845.3 (01/2015): Conformance testing: PAN/LAN/TAN Interface Part 5C: Pulse oximeter
- ITU-T H.845.4 (01/2015): Conformance testing: PAN/LAN/TAN Interface Part 5D: Blood Pressure Monitor
- ITU-T H.845.5 (01/2015): Conformance testing: PAN/LAN/TAN Interface Part 5E: Thermometer
- ITU-T H.845.6 (01/2015): Conformance testing: PAN/LAN/TAN Interface Part 5F: Cardiovascular fitness and activity monitor
- ITU-T H.845.7 (01/2015): Conformance testing: PAN/LAN/TAN Interface Part 5G: Strength fitness equipment
- ITU-T H.845.8 (01/2015): Conformance testing: PAN/LAN/TAN Interface Part 5H: Independent living activity hub
- ITU-T H.845.9 (01/2015): Conformance testing: PAN/LAN/TAN Interface Part 5I: Adherence monitor
- ITU-T H.845.11 (01/2015): Conformance testing: PAN/LAN/TAN Interface Part 5K: Peak expiratory flow monitor
- ITU-T H.845.12 (01/2015): Conformance testing: PAN/LAN/TAN Interface Part 5L: Body composition analyser
- ITU-T H.845.13 (01/2015): Conformance testing: PAN/LAN/TAN Interface Part 5M: Basic electrocardiograph
- ITU-T H.845.14 (01/2015): Conformance testing: PAN/LAN/TAN Interface Part 5N: International normalized ratio
- ITU-T H.846 (01/2015): Conformance testing: PAN/LAN/TAN Interface Part 6: Device specializations: Manager
- ITU-T H.847 (01/2015): Conformance testing: PAN/LAN/TAN Interface Part 7: Continua Design Guidelines: Agent for Bluetooth Low Energy (BLE)
- ITU-T H.848 (01/2015): Conformance testing: PAN/LAN/TAN Interface Part 8: Continua Design Guidelines: Manager for Bluetooth Low Energy (BLE)
- ITU-T H.849 (01/2015): Conformance testing: PAN/LAN/TAN Interface Part 9: Personal Health Devices Transcoding: Agent for Bluetooth Low Energy (BLE)
- ITU-T H.850 (01/2015): Conformance testing: PAN/LAN/TAN Interface Part 10: Personal Health Devices Transcoding: Manager
- ITU-T L.25 (01/2015): Optical fibre cable network maintenance
- ITU-T L.36 (01/2015): Single-mode fibre optic connectors
- ITU-T L.94 (01/2015): Use of the Global Navigation Satellite System (GNSS) to create a referenced network map
- ITU-T L.1501 (12/2014): Best practices on how countries can utilize ICTs to adapt to the effects of climate change
- ITU-T P.1100 (01/2015): Narrow-band hands-free communication in motor vehicles
- ITU-T P.1110 (01/2015): Wideband hands-free communication in motor vehicles
- ITU-T P.1311 (12/2014): Method for determining the intelligibility of multiple concurrent talkers
- ITU-T Q.3315 (01/2015): Signalling requirements for flexible network service combination on broadband network gateway
- ITU-T Y.2070 (01/2015): Requirements and architecture of home energy management system and home network services
- ITU-T Y.2074 (01/2015): Requirements for internet of things devices and operation of internet of things applications during disaster
- ITU-T Y.2303 (01/2015): Network intelligence capability enhancement - Awareness functional architecture
- ITU-T Z.100 Annex F1 (01/2015): Specification and Description Language - Overview of SDL-2010 - SDL formal definition: General overview
- ITU-T Z.100 Annex F2 (01/2015): Specification and Description Language - Overview of SDL-2010 - SDL formal definition: Static semantics
- ITU-T Z.100 Annex F3 (01/2015): Specification and Description Language - Overview of SDL-2010 - SDL formal definition: Dynamic semantics

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

Note from TSB

Administrations, Recognized Operating Agencies and operating agencies are invited to note that AT&T, Inc. is granted to use the previously assigned shared E.164 Country Code and Identification Code 882 37 for the purpose of machine-to-machine applications.

International Identification Plan for Public Networks and Subscriptions (Recommendation ITU-T E.212 (05/2008))

Note from TSB

Identification codes for International Mobile Networks

Associated with shared mobile country code 901 (MCC), the following two-digit mobile network code (MNC) has been assigned on 9 January 2015:

<i>Network</i>	<i>Mobile Country Code (MCC)* and Mobile Network Code (MNC)**</i>
AT&T, Inc.	901 44

* 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

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

Note from TSB

At the request of the Administration of Singapore, 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>
Singapore (Republic of)	5-144

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

Afghanistan (country code +93)

Communication of 13.I.2015

The *Afghanistan Telecommunication Regulatory Authority (ATRA)*, Kabul, announces the following update to the ITU-T E.164 National Numbering Plan for Afghanistan:

Table – Description of introduction of new resource for national ITU-T E.164 numbering plan for country code +93:

<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 E.164 number</i>	<i>Time and date of introduction</i>
	<i>Maximum length</i>	<i>Minimum length</i>		
72 9XX XXXX	9 digits	9 digits	ROSHAN – cellular mobile network	06/9/2012
72 80X XXXX	9 digits	9 digits	ROSHAN – cellular mobile network	04/5/2014
76 6XX XXXX	9 digits	9 digits	MTN – cellular mobile network	09/9/2012
76 7XX XXXX	9 digits	9 digits	MTN – cellular mobile network	21/7/2013
76 5XX XXXX	9 digits	9 digits	MTN – cellular mobile network	28/9/2014
71 1XX XXXX	9 digits	9 digits	AWCC – cellular mobile network	19/3/2014
74 4XX XXXX	9 digits	9 digits	Afghan telecom Salaam – cellular mobile network	29/9/2013
74 7XX XXXX	9 digits	9 digits	Afghan telecom Salaam – cellular mobile network	12/5/2014

Contact:

Mr Mohammad Azim Sahbani, Standardization Manager
Afghanistan Telecommunication Regulatory Authority (ATRA)
Ministry of Communication & Information Technology
MCIT Building, 10th Floor
KABUL
Afghanistan
Tel: +93 202105968
E-mail: azim.sahbani@atra.gov.af
URL: www.atra.gov.af

Denmark (country code +45)

Communication of 8.I.2015:

The *Danish Business Authority*, Copenhagen, announces the following changes to the Danish telephone numbering plan:

- assignment – fixed communication service

<i>Provider</i>	<i>Numbering series</i>	<i>Date of assignment</i>
Flexfone A/S	7848efgh	11.XII.2014

- withdrawal – mobile communication service

<i>Provider</i>	<i>Numbering series</i>	<i>Date of withdrawal</i>
Mundio Mobile	5069efgh	19.XII.2014

- assignment – mobile communication service

<i>Provider</i>	<i>Numbering series</i>	<i>Date of assignment</i>
Flexfone A/S	9282efgh	11.XII.2014
Telenor Connexion AB	9264efgh, 9265efgh and 9266efgh	16.XII.2014
Ip Nordic A/S	9244efgh	18.XII.2014
SimService A/S	9314efgh and 9315efgh	19.XII.2014

Contact:

Danish Business Authority
Dahlerups Pakhus
Langelinie Allé 17
DK-2100 COPENHAGEN
Denmark
Tel: +45 35 29 10 00
Fax: +45 35 46 60 01
E-mail: erst@erst.dk
URL: www.erst.dk

Iceland (country code +354)

Communication of 13.I.2015:

The *Post and Telecom Administration*, Reykjavik, announces that the following new number series have been taken into use in Iceland, country code +354.

- Mobile numbers:

<i>Numbering series</i>
760 XXXX
761 XXXX
762 XXXX
784 XXXX
785 XXXX
789 XXXX

Contact:

Post and Telecom Administration
Sudurlandsbraut 4
108 REYKJAVIK
Iceland
Tel: +354 510 1500
Fax: +354 510 1509
E-mail: pfs@pfs.is
URL: www.pfs.is

Service Restrictions

See URL: 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/

AMENDMENTS TO SERVICE PUBLICATIONS

Abbreviations used

ADD	Insert	PAR	paragraph
COL	Column	REP	replace
LIR	Read	SUP	Delete
P	page(s)		

List of Coast Stations and Special Service Stations (List IV)

Edition of 2013

(Amendment No. 3)

DNK **Denmark**

SUP notes A, B and H

List of Ship Stations and Maritime Mobile Service Identity Assignments (List V)

Edition of 2014

Section VI

REP

PL03 NSSL Global Sp. z o.o., Gwiazdzista 5C/1, 01-652 Warsaw, Poland,
Tel.: +48 22 404 78 64, Tlx: +48 22 119 29 60, E-Mail: sales.pl@eurosatlink.com,
URL: www.eurosatlink.pl

List of International Monitoring Stations (List VIII) Edition of 2013

(Amendment No. 5)

PART I

STATIONS IN THE TERRESTRIAL RADIOCOMMUNICATION SERVICES

POR Portugal

P 313-318 REP

POR - Portugal			
Centralizing office	Postal address	Telephone, Telefax, Electronic-mail	Remarks
ICP - Autoridade Nacional de Comunicações (ICP-ANACOM)	Av. José Malhoa, 12 1099 - 017 Lisboa	TF : +351 21 7211000 FAX : +351 21 7211001	

Name of the station	Postal address	Telephone, Telefax, Electronic-mail
Açores (Ponta Delgada)	CMCE-A Rua dos Valados, 18 Relva 9500-652 Ponta Delgada Portugal	TF : +351 296 302040 FAX : +351 296 302041 EMAIL : Monitor.acores@anacom.pt

Geographical coordinates	Types of measurements	Ranges of frequencies for each measurement	Hours of service	Remarks
37°45'18"N 025°42'28"W	Frequency measurements	10 kHz - 1000 MHz	H24*	Possibility of reception of radio emissions from 10 kHz up to 6000 MHz. Measurements also carried out by mobile stations (10 kHz up to 3000 MHz). Automatic recording system, composed by a receiver, a computer and adequate software. Spectrum analyser (9 kHz up to 40 GHz). * Local and remotely with a local team on permanent prevention.

(cont.)

POR Portugal (cont.)

Geographical coordinates	Types of measurements	Ranges of frequencies for each measurement	Hours of service	Remarks
37°45'18"N 025°42'28"W	Field strength or power flux-density measurements	10 kHz - 1000 MHz	H24*	* Local and remotely with a local team on permanent prevention.
37°45'18"N 025°42'28"W	Direction-finding measurements	20 MHz - 3000 MHz	H24*	Manually operated. Measurements also carried out by mobile station. * Local and remotely with a local team on permanent prevention.
37°45'18"N 025°42'28"W	Bandwidth measurements	10 kHz - 1000 MHz	H24*	* Local and remotely with a local team on permanent prevention.
37°45'18"N 025°42'28"W	Automatic spectrum occupancy surveys	10 kHz - 1000 MHz	H24*	* Local and remotely with a local team on permanent prevention.

Name of the station	Postal address	Telephone, Telefax, Electronic-mail
Barcarena (Lisboa) (IMS)	CMCE-S Alto do Paimão 2730-216 Barcarena Portugal	TF : +351 21 4348500 TF : +351 21 4348525 FAX : +351 21 4348590 EMAIL : Monitor.sul@anacom

Geographical coordinates	Types of measurements	Ranges of frequencies for each measurement	Hours of service	Remarks
38°43'45"N 009°15'47"W	Frequency measurements	10 kHz -3600 MHz	H24	Possibility of reception of radio emissions from 10 kHz up to 50 GHz. Possibility of reception, measurement and identification of telegraphic emissions, such as: Morse code; RTTY; ARQ, FEC, SSTV, POCSAG; Packetradio/SITOR/AMTOR; others. Measurements also carried out by mobile stations (10 kHz up to 3000 MHz). FFT Spectrum analyser (9 kHz up to 40 GHz). ../..

(cont.)

Geographical coordinates	Types of measurements	Ranges of frequencies for each measurement	Hours of service	Remarks
38°43'45"N 009°15'47"W	Frequency measurements (cont.)	10 kHz -3600 MHz	H24	Remote network system. Ten stations, controlled by DSL lines. Five of them cover the Southern part of the country and the other five cover the Northern part. All these stations cover the frequency range from 10 kHz up to 3600 MHz. Four stations provided with direction-finding system (interferometry), two in the South (Lisbon) and two in the North (Porto), for the frequency range from 20 MHz up to 3000 MHz.
38°43'45"N 009°15'47"W	Field strength or power flux-density measurements	10 kHz - 30 MHz	H24	
38°43'45"N 009°15'47"W	Field strength or power flux-density measurements	20 MHz - 3600 MHz	H24	
38°43'45"N 009°15'47"W	Direction-finding measurements	300 kHz - 30 MHz	H24	Crossed loop antennas array. Correlative Interferometry direction finding.
38°43'45"N 009°15'47"W	Direction-finding measurements	20 MHz - 3000 MHz	H24	Measurements also carried out by mobile stations (20 kHz up to 3000 MHz). Correlative Interferometry direction finding. Remote network system. Four of ten stations provided with direction-finding system (interferometry), two in the South (Lisbon) and two in the North (Porto), for the frequency range from 20 MHz up to 3000 MHz. Portable correlative interferometer DF (20 MHz - 6 GHz).
38°43'45"N 009°15'47"W	Bandwidth measurements	10 kHz - 40 GHz	H24	
38°43'45"N 009°15'47"W	Automatic spectrum occupancy surveys	10 kHz - 3600 MHz	H24	

(cont.)

POR Portugal (cont.)

Name of the station		Postal address	Telephone, Telefax, Electronic-mail	
Madeira (Funchal)		CMCE–M Rua Vale das Neves, 19 9050-325 Funchal Portugal	TF : +351 291 790200 FAX : +351 291 790201 EMAIL : Monitor.madeira@anacom.pt	

Geographical coordinates	Types of measurements	Ranges of frequencies for each measurement	Hours of service	Remarks
32°38'57"N 016°52'04"W	Frequency measurements	10 kHz - 3000 MHz	H24*	Possibility of reception of radio emissions from 10 kHz up to 6000 MHz. Measurements also carried out by mobile stations (10 kHz up to 3000 MHz). Spectrum analyser (9 kHz up to 40 GHz). Remote network system. Three stations, controlled by LTE data service. Two of them cover the Madeira Island and the other covers Porto Santo Island. All these stations cover the frequency range from 20 kHz up to 2700 MHz. * Local and remotely with a local team on permanent prevention.
32°38'57"N 016°52'04"W	Field strength or power flux-density measurements	10 kHz - 3000 MHz	H24*	* Local and remotely with a local team on permanent prevention.
32°38'57"N 016°52'04"W	Direction-finding measurements	20 MHz - 3000 MHz	H24*	Manually operated. Measurements also carried out by mobile station. * Local and remotely with a local team on permanent prevention.
32°38'57"N 016°52'04"W	Bandwidth measurements	10 kHz - 3000 MHz	H24*	* Local and remotely with a local team on permanent prevention.
32°38'57"N 016°52'04"W	Automatic spectrum occupancy surveys	10 kHz - 3000 MHz	H24*	* Local and remotely with a local team on permanent prevention.

(cont.)

POR Portugal (cont.)

Name of the station		Postal address	Telephone, Telefax, Electronic-mail	
Porto		CMCE-N Rua Direita do Viso, 59 4250-198 Porto Portugal	TF : +351 22 6198000 TF : +351 22 6198010 FAX : +351 22 6198002 EMAIL : Monitor.norte@anacom.pt	
Geographical coordinates	Types of measurements	Ranges of frequencies for each measurement	Hours of service	Remarks
41°10'43"N 008°38'28"W	Frequency measurements	10 kHz - 3000 MHz	H24	Possibility of reception of radio emissions from 10 kHz up to 50 GHz. Possibility of reception, measurement and identification of telegraphic emissions, such as: Morse code; RTTY; ARQ, FEC, SSTV, POCSAG; Packetradio/SITOR/AMTOR; others. Measurements also carried out by mobile stations (20 kHz up to 3000 MHz). FFT Spectrum analyser (9 kHz up to 40 GHz). Remote network system. Ten stations, controlled by DSL lines. Five of them cover the Southern part of the country and the other five cover the Northern part. All these stations cover the frequency range from 10 kHz up to 3600 MHz. Four stations provided with direction-finding system (interferometry), two in the South (Lisbon) and two in the North (Porto), for the frequency range from 20 MHz up to 3000 MHz.
41°10'43"N 008°38'28"W	Field strength or power flux-density measurements	10 kHz - 3000 MHz	H24	

(cont.)

Geographical coordinates	Types of measurements	Ranges of frequencies for each measurement	Hours of service	Remarks
41°10'43"N 008°38'28"W	Direction-finding measurements	20 MHz - 3000 MHz	H24	Measurements also carried out by mobile stations (20 kHz up to 3000 MHz). Correlative Interferometry direction finding. Remote network system. Four of ten stations provided with direction-finding system (interferometry), two in the South (Lisbon) and two in the North (Porto), for the frequency range from 20 MHz up to 3000 MHz. Portable correlative interferometer DF (20 MHz - 6 GHz).
41°10'43"N 008°38'28"W	Bandwidth measurements	10 kHz - 40 GHz	H24	
41°10'43"N 008°38'28"W	Automatic spectrum occupancy surveys	10 kHz - 3000 MHz	H24	

**List of Issuer Identifier Numbers for
the International Telecommunication Charge Card
(in accordance with ITU-T Recommendation E.118 (05/2006))
(Position on 15 November 2013)**

(Annex to ITU Operational Bulletin No. 1040 – 15.XI.2013)
(Amendment No.20)

Azerbaijan ADD

Country/ geographical area	Company Name/Address	Issuer Identifier Number	Contact	Effective date of usage
Azerbaijan	Special State Protection Service of the Republic of Azerbaijan 68, Lermontov Str., AZ1066 BAKU	89 994 05	Mr Azar Ahadov Special State Protection Service of the Republic of Azerbaijan 68, Lermontov Str., AZ1066 BAKU Tel: +994 12 435 1602 Fax: +994 12 435 18 44 E-mail: azarahadov@dmx.gov.az	8.XII.2014

Denmark ADD

<i>Country/ geographical area</i>	<i>Company Name/Address</i>	<i>Issuer Identifier Number</i>	<i>Contact</i>	<i>Effective date of usage</i>
Denmark	Ice Danmark ApS Torveporten 2, 2500 Valby Denmark	89 45 05	Mr Johan Tinelius AINMT Holdings AB Box 7460 10392 STOCKHOLM Sweden Tel: +46 735927010 E-mail: johan.tinelius@ainmt.com	1.I.2015

**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 July 2014)**

(Annex to ITU Operational Bulletin No. 1056 – 15.VII.2014)
(Amendment No.11)

<i>Country/Geographical area</i>	<i>MCC+MNC *</i>	<i>Operator/Network</i>
Azerbaijan ADD	400 05	Special State Protection Service of the Republic of Azerbaijan
Denmark ADD	238 15	Ice Danmark ApS
Malta ADD	278 30	GO Mobile
International Mobile, shared code ADD	901 44	AT&T, Inc.

* MCC: Country Code / Indicatif de pays du mobile / Indicativo de país para el servicio móvil
MNC: 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. 1)

Numerical order ADD

5-144 Singapore (Republic of)

Alphabetical order ADD

5-144 Singapore (Republic of)

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. 1)

<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>		
Azerbaijan LIR			
4-071-4	8764	Class-4 IGW Network	IRAC (International Relations and Accounting Center of the Ministry of Communications and High Technologies)
Spain SUP			
2-239-0	6008	Madrid	Primus Telecomunicaciones Ibérica, S.A.
2-239-4	6012		Net-Connect Internet, S.R.L.
United States ADD			
3-180-3	7587	New York	Belgacom International Carrier Services North America Inc.
Zimbabwe SUP			
6-096-3	13059	Telecel Zimbabwe	Telecel Zimbabwe

Zimbabwe ADD

6-095-0	13048	Harare STP-202	Telecel Zimbabwe
6-095-1	13049	Econet Pockets Hill STP	Econet Wireless Zimbabwe
6-095-2	13050	Econet Willowvale STP	Econet Wireless Zimbabwe
6-096-3	13059	ZWNET1B	NetOne (Pvt) Ltd

Zimbabwe LIR

6-096-2	13058	ZWNET1A	NetOne (Pvt) Ltd
6-096-5	13061	Econet Pockets Hill GMSC	Econet Wireless Zimbabwe
6-097-0	13064	Econet Willowvale GMSC	Econet Wireless Zimbabwe
6-097-2	13066	Harare STP-148	Telecel Zimbabwe
6-097-3	13067	Harare GMSC-148	Telecel Zimbabwe

ISPC: International Signalling Point Codes.
Codes de points sémaphores internationaux (CPSI).
Códigos de puntos de señalización internacional (CPSI).

National Numbering Plan (According to ITU-T Recommendation 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 1.I.2015 the following countries have updated their national numbering plan on our site:

<i>Country</i>	<i>Country Code (CC)</i>
Ghana	+233
Kuwait	+965
Montenegro	+382
Solomon Islands	+677