

# ITU Operational Bulletin

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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))	<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-74, 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 H.264 (V10) (02/2016): Advanced video coding for generic audiovisual services
- ITU-T H.264.1 (V6) (02/2016): Conformance specification for ITU-T H.264 advanced video coding
- ITU-T H.264.2 (V2) (02/2016): Reference software for ITU-T H.264 advanced video coding
- ITU-T H.265.2 (V2) (02/2016): Reference software for ITU-T H.265 high efficiency video coding
- ITU-T Q.3052 (02/2016): Overview of APIs and protocols for M2M service layer
- ITU-T Q.3316 (02/2016): Interface and Signalling Requirements and Specification for Cross Stratum Optimization
- ITU-T Q.3403 v.1 (02/2016): IP multimedia call control protocol based on the session initiation protocol and the session description protocol - Basic call: Requirements for the user side and the network side
- ITU-T Q.3618 v.1 (02/2016): OIP and OIR using IP Multimedia core network subsystem. Protocol specification
- ITU-T Q.3619 v.1 (02/2016): Communication HOLD using IP multimedia core network subsystem. Protocol specification
- ITU-T Q.3620 v.1 (02/2016): Communication Diversion (CDIV) using IP multimedia core network subsystem. Protocol specification
- ITU-T Q.3621 v.1 (02/2016): CONF using IP multimedia core network subsystem. Protocol specification
- ITU-T Q.3622 v.1 (02/2016): CW using IP multimedia core network subsystem. Protocol specification
- ITU-T Q.3623 v.1 (02/2016): ECT using IP multimedia core network subsystem. Protocol specification
- ITU-T Q.3624 v.1 (02/2016): MCID using IP multimedia core network subsystem. Protocol specification
- ITU-T Q.3625 v.1 (02/2016): Completion of communications to busy subscriber and completion of communications by no reply using IP multimedia core network subsystem. Protocol specification
- ITU-T Q.3626 v.1 (02/2016): MWI using IP multimedia core network subsystem. Protocol specification
- ITU-T Q.3627 v.1 (02/2016): CUG using IP multimedia core network subsystem. Protocol specification
- ITU-T Q.3628 v.1 (02/2016): ACR and CB using IP multimedia core network subsystem. Protocol specification
- ITU-T Q.3905 (02/2016): Conformance test plan for Number Portability requirements defined by ITU-T Q.Suppl.4
- ITU-T Q.3941.1 (02/2016): Network integration testing between SIP and ISDN/PSTN network signalling protocols – Part 1: Test suite structure and test purposes for SIP-ISDN
- ITU-T Q.3941.5 (02/2016): Network integration testing between SIP and ISDN/PSTN network signalling protocols. Part 5: TSS&TP for Network Integration Tests between ISDN-ISDN and ISDN-PSTN over SIP II NNI / SIP-I NNI
- ITU-T Q.4001.1 v.1 (02/2016): IMS specific use of SIP and SDP. Conformance testing. Part 1: PICS
- ITU-T Q.4001.2 v.1 (02/2016): IMS specific use of SIP and SDP. Conformance testing. Part 2: TSS and TP
- ITU-T Q.4001.3 v.1 (02/2016): IMS specific use of SIP and SDP. Conformance testing. Part 3: Network side, ATS and PIXIT
- ITU-T Q.4002.1 v.1 (02/2016): Conformance tests specification for the originating identification presentation and originating identification restriction using the IP multimedia core network subsystem – Part 1: Protocol

- ITU-T Q.4002.2 v.1 (02/2016): Conformance tests specification for the originating identification presentation and originating identification restriction using the IP multimedia core network subsystem – Part 2: Network side – Test suite structure and test purposes
- ITU-T Q.4002.3 v.1 (02/2016): Conformance tests specification for the originating identification presentation and originating identification restriction using the IP multimedia core network subsystem – Part 3: User side – Test suite structure and test purposes
- ITU-T Q.4003.1 v.1 (02/2016): Communication HOLD (HOLD) using IP multimedia core network subsystem; Conformance Testing. Part 1: Network side, User side, PICS
- ITU-T Q.4003.2 v.1 (02/2016): OIP and OIR using IP Multimedia core network subsystem; Conformance testing; Part 3: user side, TSS&TP
- ITU-T Q.4003.3 v.1 (02/2016): Communication HOLD using IP Multimedia core network subsystem; Conformance testing; Part 3: User side, TSS&TP
- ITU-T Q.4004.1 v.1 (02/2016): Communication Diversion using IP Multimedia core network subsystem; Conformance testing; Part 1: User side, Network Side PICS
- ITU-T Q.4004.2 v.1 (02/2016): Communication Diversion using IP Multimedia core network subsystem; Conformance testing; Part 2: Network side, TSS&TP
- ITU-T Q.4005.1 v.1 (02/2016): Conference service using IP Multimedia core network subsystem; Conformance testing; Part 1: Network side, User side, PICS
- ITU-T Q.4005.2 v.1 (02/2016): Conference service using IP Multimedia core network subsystem; Conformance testing; Part 2: Network side, TSS&TP
- ITU-T Q.4005.3 v.1 (02/2016): Conference service using IP Multimedia core network subsystem; Conformance testing; Part 3: User side, TSS&TP
- ITU-T Q.4006.1 v.1 (02/2016): Communication waiting service using IP Multimedia core network subsystem; Conformance testing; Part 1: Network side, User side, PICS
- ITU-T Q.4006.2 v.1 (02/2016): Communication waiting service using IP Multimedia core network subsystem; Conformance testing; Part 2: Network side, TSS&TP
- ITU-T Q.4006.3 v.1 (02/2016): Communication waiting service using IP Multimedia core network subsystem; Conformance testing; Part 3: User side, TSS&TP
- ITU-T Q.4040 (02/2016): The framework and overview of Cloud Computing interoperability testing
- ITU-T Y.2040 (02/2016): Flow-based service continuity in multi-connection
- ITU-T Y.2076 (02/2016): Semantics based requirements and framework of the Internet of Things
- ITU-T Y.2077 (02/2016): Requirements of the Plug and Play Capability of the IoT
- ITU-T Y.2078 (02/2016): IoT application support models
- ITU-T Y.2239 (02/2016): Requirements and capabilities for Information Control Networks and related applications
- ITU-T Y.2813 (02/2016): Mobility management framework for applications with multiple devices
- ITU-T Y.3014 (02/2016): Resource Control and Management Function for Virtual Networks for Carriers (vRCMF)

## 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 5 February 2016:

<i>Network</i>	<i>Mobile Country Code (MCC)* and Mobile Network Code (MNC)**</i>
VisionNG	901 51

\* 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 the Republic of South Africa, 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>
South Africa (Republic of)	6-145

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)

### Denmark (country code +45)

Communication of 9.II.2016:

The *Danish Energy Agency*, Copenhagen, announces the following changes to the Danish telephone numbering plan:

- withdrawal – 4-digit service number

<i>Provider</i>	<i>Numbering series</i>	<i>Date of withdrawal</i>
TDC A/S	1830, 1880 and 1888	23.XI.2015

- withdrawal – Fixed communication

<i>Provider</i>	<i>Numbering series</i>	<i>Date of withdrawal</i>
GoTele	82569fgh	29.I.2016

- withdrawal – Mobile communication

<i>Provider</i>	<i>Numbering series</i>	<i>Date of withdrawal</i>
GoTele	81379fgh	29.I.2016

- assignment – Fixed communication

<i>Provider</i>	<i>Numbering series</i>	<i>Date of assignment</i>
Fullrate A/S	3412efgh	28.I.2016
Polperro A/S	82569fgh	29.I.2016

- assignment – Mobile communication

<i>Provider</i>	<i>Numbering series</i>	<i>Date of assignment</i>
Mitto AG	81374fgh	26.I.2016
Polperro A/S	81379fgh	29.I.2016

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**Oman (country code +968)**

Communication of 7.II.2016:

The *Oman Telecommunications Regulatory Authority (TRA)*, Ruwi, announces the following update to the National Numbering Plan (NNP) of Oman:

<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</i>	<i>Minimum</i>		
901X XXXX to 909X XXXX	8	8	Mobile service	Omantel Mobile
91XXXXXX	8	8	Mobile service	Omantel Mobile
92XXXXXX	8	8	Mobile service	Omantel Mobile
93XXXXXX	8	8	Mobile service	Omantel Mobile
94XXXXXX	8	8	Mobile service	Ooredoo
95XXXXXX	8	8	Mobile service	Ooredoo
96XXXXXX	8	8	Mobile service	Ooredoo
97XXXXXX	8	8	Mobile service	Ooredoo
98XXXXXX	8	8	Mobile service	Omantel Mobile
99XXXXXX	8	8	Mobile service	Omantel Mobile
71XXXXXX	8	8	Mobile service	Omantel Mobile
79XXXXXX	8	8	Mobile service	Ooredoo
22XXXXXX	8	8	Fixed service	Ooredoo/Omantel
23XXXXXX	8	8	Fixed service – currently only one fixed operator (Omantel)	Dhofar & Al Wusta
24XXXXXX	8	8	Fixed service – currently only one fixed operator (Omantel)	Muscat
25XXXXXX	8	8	Fixed service – currently only one fixed operator (Omantel)	A'Dakhliyah, Al Sharqiya & A'Dhahira
26XXXXXX	8	8	Fixed service – currently only one fixed operator (Omantel)	Al Batinah & Musandam

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URL: [www.tra.gov.om](http://www.tra.gov.om)



## Changes in Administrations/ROAs and other entities or Organizations

### Poland

Communication of 4.I.2016:

#### *Change of name*

The *Ministry of Administration and Digitization*, Warsaw, announces that it has changed its name. It is now called: « *Ministry of Digital Affairs* ».

Ministry of Digital Affairs  
27 Królewska Str.  
00-060 WARSAW  
Poland  
Tel: +48 222455920  
Fax: +48 225225045  
Email: mc@mc.gov.pl  
URL: www.mc.gov.pl

## Other communication

### Austria

Communication of 9.II.2016:

On the occasion of the 150th anniversary of the naval battle near Lissa, the Austrian Administration authorizes an Austrian amateur station to use the special call sign **OE150LISSA** from 16 to 22 July 2016 and on 13 August 2016.

Communication of 12.II.2016:

On the occasion of the International Marconi-Day, the Austrian Administration authorizes an amateur station to use the special call sign **OE16M** from 22 to 24 April 2016.

### Serbia

Communication of 18.II.2016:

On the occasion of the 160 years of Nikola Tesla's birth, the Serbian Administration authorizes a number of Serbian amateur radio stations to use the special call signs **YT160TESLA** and **YU160TESLA** from 1 March to 31 December 2016.

## 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)		

## 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. 8)

<i>Country/Geographical area</i>	<i>MCC+MNC *</i>	<i>Operator/Network</i>
<b>International Mobile, shared code ADD</b>	901 51	VisionNG

\* 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. 12)

**Numerical order ADD**  
6-145 South Africa (Republic of)

**Alphabetical order ADD**  
6-145 South Africa (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. 27)

<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>South Africa LIR</b>			
6-109-0	13160	ECO-MSC1-JBG-01	Liquid Telecommunication South Africa (Pty) Ltd
6-109-1	13161	ECO-STP1-JBG-01	Liquid Telecommunication South Africa (Pty) Ltd
6-109-2	13162	ILIZWI-MSC-01	Illizwi Telecommunications
6-109-3	13163	JHMES2-01	MTN (Pty) Ltd
6-109-4	13164	RBM2S1-01	MTN (Pty) Ltd
6-109-5	13165	NEW DOORNFONTEIN- NDF00	Telkom SA Limited
6-109-6	13166	RJBZ-00	Telkom SA Limited
6-109-7	13167	RJSZ-00	Telkom SA Limited
6-110-0	13168	Johannesburg JB ISC	Telkom SA Limited
6-110-1	13169	Johannesburg JS ISC	Telkom SA Limited
6-110-2	13170	JB STP1	Telkom SA Limited
6-110-3	13171	JB STP2	Telkom SA Limited
6-110-4	13172	RJB-01	Telkom SA Limited
6-110-5	13173	MTN Cellular Network	MTN
6-110-6	13174	Vodacom Cellular Network	Vodacom (Pty) Ltd
6-111-0	13176	Sentech LTH 1	Sentech (Pty) Ltd.
6-111-3	13179	JBA GMSC	Vodacom (Pty) Ltd
6-111-4	13180	SJD STP	Vodacom (Pty) Ltd
6-111-5	13181	MTN STP 2	MTN
6-111-6	13182	RJSP 01	Telkom SA Limited
6-111-7	13183	Sentech LTH 2	Sentech (Pty) Ltd.
6-112-0	13184	SPP STP	Vodacom (Pty) Ltd
6-112-1	13185	NST01	SNO Telecommunications (Pty) Ltd
6-112-2	13186	BLE01	SNO Telecommunications (Pty) Ltd
6-113-1	13193	JBM-01	Telkom SA Limited
6-113-2	13194	JSM-01	Telkom SA Limited
6-113-4	13196	MSIGM	Vodacom (Pty) Ltd
6-113-5	13197	MSIPS	Vodacom (Pty) Ltd
6-113-6	13198	WIRECONNECT-00	Wirels Connect
6-113-7	13199	CAPE TOWN BARRACK STREET - CBS00	Telkom SA Limited

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