

# ITU Operational Bulletin

www.itu.int/itu-t/bulletin

No. **1097**

1.IV.2016

(Information received by 18 March 2016) ISSN 1564-5223 (Online)

Place des Nations CH-1211  
Genève 20 (Switzerland)  
Tel: +41 22 730 5111  
E-mail: [itumail@itu.int](mailto:itumail@itu.int)

Standardization Bureau (TSB)  
Tel: +41 22 730 5211  
Fax: +41 22 730 5853  
E-mail: [tsbmail@itu.int](mailto:tsbmail@itu.int) / [tsbtson@itu.int](mailto:tsbtson@itu.int)

Radiocommunication Bureau (BR)  
Tel: +41 22 730 5560  
Fax: +41 22 730 5785  
E-mail: [brmail@itu.int](mailto:brmail@itu.int)

## Table of Contents

	<i>Page</i>
<b>General information</b>	
Lists annexed to the ITU Operational Bulletin: <i>Note from TSB</i> .....	3
Approval of ITU-T Recommendations .....	4
The International Public Telecommunication Numbering Plan (Recommendation ITU-T E.164 (11/2010)) .....	5
Assignment of Signalling Area/Network Codes (SANC) (Recommendation ITU-T Q.708 (03/99)): <i>Thailand</i> .....	5
Telephone Service:	
<i>Azerbaijan (Ministry of Communications and High Technologies, Baku)</i> .....	6
<i>Bahrain (Telecommunications Regulatory Authority (TRA), Manama)</i> .....	13
<i>Liberia (Liberia Telecommunications Authority (LTA), Monrovia)</i> .....	16
Changes in Administrations/ROAs and other entities or Organizations:	
<i>Malawi (Ministry of Information, Tourism and Civic Education, Lilongwe): Change of name</i> .....	17
Service Restrictions .....	18
Call – Back and alternative calling procedures (Res. 21 Rev. PP – 2006) .....	18
<b>Amendments to service publications</b>	
List of International Monitoring Stations (List VIII) .....	19
List of ITU-T Recommendation E.164 assigned Country Codes .....	20
List of Issuer Identifier Numbers for the International Telecommunication Charge Card .....	21
List of Signalling Area/Network Codes (SANC) .....	22
List of ITU Carrier Codes .....	22
List of International Signalling Point Codes (ISPC) .....	23
National Numbering Plan .....	25

<i>Dates of publication of the next Operational Bulletins</i>		<i>Including information received by:</i>
1098	15.IV.2016	31.III.2016
1099	1.V.2016	15.IV.2016
1100	15.V.2016	29.IV.2016
1101	1.VI.2016	18.V.2016
1102	15.VI.2016	1.VI.2016
1103	1.VII.2016	17.VI.2016
1104	15.VII.2016	1.VII.2016
1105	1.VIII.2016	18.VII.2016
1106	15.VIII.2016	3.VIII.2016
1107	1.IX.2016	18.VIII.2016
1108	15.IX.2016	1.IX.2016
1109	1.X.2016	16.IX.2016
1110	15.X.2016	30.IX.2016
1111	1.XI.2016	18.X.2016
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.

- 1096 Legal time 2016
- 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)
- 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-76, 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 J.94 (1998) Amd. 3 (03/2016)
- ITU-T J.183 (03/2016): Time-division multiplexing of multiple MPEG-2 transport streams over cable television systems
- ITU-T J.195.1 (03/2016): Functional requirements for high speed transmission over coaxial networks connected with fibre to the building
- ITU-T J.196.1 (03/2016): Functional Requirements for Second-generation HiNoC
- ITU-T J.207 (03/2016): Specification for Integrated Broadcast and Broadband DTV application control framework
- ITU-T J.223.1 (03/2016): Functional Requirements for Cabinet DOCSIS (C-DOCSIS)
- ITU-T J.288 (03/2016): Encapsulation of type-length-value (TLV) packet for cable transmission systems
- ITU-T J.341 (03/2016): Objective perceptual multimedia video quality measurement of HDTV for digital cable television in the presence of a full reference
- ITU-T M.3160 (2008) Amd. 1 (03/2016): Generic, protocol-neutral management information model: Amendment 1
- ITU-T P.912 (03/2016): Subjective video quality assessment methods for recognition tasks
- ITU-T P.913 (03/2016): Methods for the subjective assessment of video quality, audio quality and audiovisual quality of Internet video and distribution quality television in any environment
- ITU-T P.914 (03/2016): Display Requirements for 3D Video Quality Assessment
- ITU-T P.915 (03/2016): Subjective Assessment Methods for 3D Video Quality
- ITU-T P.916 (03/2016): Information and guidelines for assessing and minimizing visual discomfort and visual fatigue from 3D video
- ITU-T X.784 (03/2016): Guidelines for Implementation Conformance Statements proformas associated with SNMP-based management systems
- ITU-T Y.3510 (02/2016): Cloud computing infrastructure requirements
- ITU-T Y.4553 (03/2016): Requirements of smartphone as sink node for IoT applications and services
- ITU-T Y.4702 (03/2016): Common requirements and capabilities of device management in the Internet of Things

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

### Note from TSB

#### *Identification codes for international networks*

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

<i>Applicant</i>	<i>Network</i>	<i>Country Code and Identification Code</i>	<i>Date of assignment</i>
Communication for Devices in Sweden AB	Communication for Devices in Sweden AB	+883 190	15.III.2016

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

### Note from TSB

At the request of the Administration of Thailand, 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>
Thailand	5-135

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)

### Azerbaijan (country code +994)

Communication of 21.I.2016:

The *Ministry of Communications and High Technologies*, Baku, announces the updating National numbering plan of the Republic of Azerbaijan as follows:

#### *Numbering plan of the republic of Azerbaijan*

#### General Information

Capital: Baku  
 Official Language: Azerbaijani  
 Total area: 86600 sq. km.  
 Population: 2015 – 9,593,000  
 Currency: Manat (AZN)  
 Time zone: UTC +04.00  
 Summer (DST): +05.00 (Repealed since 17 March 2016)  
 Internet TLD: .az

International dialing format: 00 (for outgoing calls from Azerbaijan)

Country Code: +994

#### a) Overview:

The minimum number length (excluding the country code) is 9 digits  
 The maximum number length (excluding the country code) is 9 digits

#### b) Detail of numbering scheme:

<b>NDC (National Destination Code) or leading digits of N(S)N (National Significant) Number</b>	<b>N(S)N number length</b>		<b>Usage of E.164 number</b>	<b>Additional information (regions and service types)</b>
	<b>Maximum length</b>	<b>Minimum length</b>		
12 (NDC)	9	9	Geographic number for PSTN	Baku
18 (NDC)	9	9	Geographic number for PSTN	Sumgayit
2020 (NDC)	9	9	Geographic number for PSTN	Barda
2021 (NDC)	9	9	Geographic number for PSTN	Ujar
2022 (NDC)	9	9	Geographic number for PSTN	Agsu
2023 (NDC)	9	9	Geographic number for PSTN	Agdash
2024 (NDC)	9	9	Geographic number for PSTN	Gobustan
2025 (NDC)	9	9	Geographic number for PSTN	Kurdamir
2026 (NDC)	9	9	Geographic number for PSTN	Shamakhi
2027 (NDC)	9	9	Geographic number for PSTN	Goychay
2028 (NDC)	9	9	Geographic number for PSTN	Ismayilli
2029 (NDC)	9	9	Geographic number for PSTN	Zardab
2120, 21428 (NDC)	9	9	Geographic number for PSTN	Hajigabul
2121 (NDC)	9	9	Geographic number for PSTN	Shirvan
2122 (NDC)	9	9	Geographic number for PSTN	Beylagan
2123 (NDC)	9	9	Geographic number for PSTN	Sabirabad

<b>NDC (National Destination Code) or leading digits of N(S)N (National (Significant) Number)</b>	<b>N(S)N number length</b>		<b>Usage of E.164 number</b>	<b>Additional information (regions and service types)</b>
	<b>Maximum length</b>	<b>Minimum length</b>		
2124 (NDC)	9	9	Geographic number for PSTN	Imishli
2125 (NDC)	9	9	Geographic number for PSTN	Salyan
2126 (NDC)	9	9	Geographic number for PSTN	Neftchala
2127 (NDC)	9	9	Geographic number for PSTN	Agjabadi
2128 (NDC)	9	9	Geographic number for PSTN	Saatli
2225, 2226, 22428 (NDC)	9	9	Geographic number for PSTN	Ganja
2220 (NDC)	9	9	Geographic number for PSTN	Goygol
2221 (NDC)	9	9	Geographic number for PSTN	Dashkasan
2222, 22428 (NDC)	9	9	Geographic number for PSTN	Agstafa
2223 (NDC)	9	9	Geographic number for PSTN	Tartar
2224 (NDC)	9	9	Geographic number for PSTN	Goranboy
2227 (NDC)	9	9	Geographic number for PSTN	Samukh
2229 (NDC)	9	9	Geographic number for PSTN	Gazakh
2230 (NDC)	9	9	Geographic number for PSTN	Shamkir
2231 (NDC)	9	9	Geographic number for PSTN	Tovuz
2232 (NDC)	9	9	Geographic number for PSTN	Gadabay
2233, 22428 (NDC)	9	9	Geographic number for PSTN	Yevlakh
2235 (NDC)	9	9	Geographic number for PSTN	Naftalan
2330 (NDC)	9	9	Geographic number for PSTN	Siyazan
2331 (NDC)	9	9	Geographic number for PSTN	Khizi
2332 (NDC)	9	9	Geographic number for PSTN	Khachmaz
2333 (NDC)	9	9	Geographic number for PSTN	Guba
2335 (NDC)	9	9	Geographic number for PSTN	Shabran
2338 (NDC)	9	9	Geographic number for PSTN	Gusar
2420 (NDC)	9	9	Geographic number for PSTN	Gabala
2421 (NDC)	9	9	Geographic number for PSTN	Oguz
2422 (NDC)	9	9	Geographic number for PSTN	Zagatala
2424 (NDC)	9	9	Geographic number for PSTN	Shaki
2425 (NDC)	9	9	Geographic number for PSTN	Gakh
2427 (NDC)	9	9	Geographic number for PSTN	Mingachevir
2429 (NDC)	9	9	Geographic number for PSTN	Balakan
2520 (NDC)	9	9	Geographic number for PSTN	Yardimli
2521 (NDC)	9	9	Geographic number for PSTN	Masalli
2522 (NDC)	9	9	Geographic number for PSTN	Astara
2524 (NDC)	9	9	Geographic number for PSTN	Jalilabad
2525 (NDC)	9	9	Geographic number for PSTN	Lankaran
2527 (NDC)	9	9	Geographic number for PSTN	Lerik
2529 (NDC)	9	9	Geographic number for PSTN	Bilasuvar
2620 (NDC)	9	9	Geographic number for PSTN	* Khojali
2621 (NDC)	9	9	Geographic number for PSTN	*Lachin

<b>NDC (National Destination Code) or leading digits of N(S)N (National (Significant) Number)</b>	<b>N(S)N number length</b>		<b>Usage of E.164 number</b>	<b>Additional information (regions and service types)</b>
	<b>Maximum length</b>	<b>Minimum length</b>		
2622 (NDC)	9	9	Geographic number for PSTN	* Khankandi
2623 (NDC)	9	9	Geographic number for PSTN	* Qubadli
2624 (NDC)	9	9	Geographic number for PSTN	* Askaran
2625 (NDC)	9	9	Geographic number for PSTN	* Zangilan
2626 (NDC)	9	9	Geographic number for PSTN	* Shusha
2627 (NDC)	9	9	Geographic number for PSTN	* Kalbajar
2628 (NDC)	9	9	Geographic number for PSTN	* Agdara
2629 (NDC)	9	9	Geographic number for PSTN	* Khojavand
2630 (NDC)	9	9	Geographic number for PSTN	* Hadrut
2631 (NDC)	9	9	Geographic number for PSTN	Fuzuli
2632 (NDC)	9	9	Geographic number for PSTN	Agdam
2638 (NDC)	9	9	Geographic number for PSTN	Jabrayil
36 544 (NDC) 36 550 (NDC)	9	9	Geographic number for PSTN	Nakhchivan city
36554 (NDC)	9	9	Geographic number for PSTN	Naxtel network
36541 (NDC)	9	9	Geographic number for PSTN	Babek
36542, 36552 (NDC)	9	9	Geographic number for PSTN	Sharur
36543 (NDC)	9	9	Geographic number for PSTN	Shahbuz
36546 (NDC)	9	9	Geographic number for PSTN	Julfa
36547 (NDC)	9	9	Geographic number for PSTN	Ordubad
36548 (NDC)	9	9	Geographic number for PSTN	Kangarli
36549 (NDC)	9	9	Geographic number for PSTN	Sadarak
44 (NDC)	9	9	Non-geographic number for fixed CDMA	Aztelekom PU
50, 51 (NDC)	9	9	Non-geographic number for mobile GSM	Azercell Telecom LLC
55 (NDC)	9	9	Non-geographic number for mobile GSM	Bakcell LLC
70, 77 (NDC)	9	9	Non-geographic number for mobile GSM	Azerfon LLC
40 (NDC)	9	9	Non-geographic number for mobile CDMA	Catel LLC
60 (NDC)	9	9	Non-geographic number for mobile CDMA	Naxtel
88 (NDC)	9	9	Non-geographic number for PSTN	Avirtel LLC
900200 (NDC)	9	9	Non-geographic number for Special Services	Interactive Service
12109 (NDC)	9	9	Non-geographic number for PSTN	Information Operator Assistance

\* The access to these occupied territories via Aztelekom LLC facilities is temporarily unavailable.<sup>1</sup>

<sup>1</sup> Information published upon request of Azerbaijan. This does not imply the expression of any opinion on the part of ITU or its secretariat on the status of these territories.



**Test numbers:**

	<b>Name</b>	<b>Test numbers</b>
--	-------------	---------------------

<b>BAKU CITY- 12</b>		
1	Baku	+ 994 12 370 21 99
		+ 994 12 440 21 99
		+ 994 12 564 21 99
		+ 994 88 555 55 55
2	Absheron	+ 994 12 342 21 99

<b>SUMGAYIT CITY- 18</b>		
1	Sumgayit	+994 18 644 21 99

<b>REGION CONNECTED TO BAKU SWITCH - 20</b>		
1	Barda	+ 994 20 205 21 99
2	Ujar	+ 994 20 213 21 99
3	Aghsu	+ 994 20 226 21 99
4	Aghdash	+ 994 20 235 21 99
5	Gobustan	+ 994 20 245 21 99
6	Kurdamir	+ 994 20 255 21 99
7	Shamakhi	+ 994 20 265 21 99
8	Goychay	+ 994 20 274 21 99
9	Ismayilli	+ 994 20 285 10 00
10	Zardab	+ 994 20 296 42 99

<b>SHIRVAN REGION - 21</b>		
1	Hajigabul	+ 994 21 204 21 99
		+ 994 21 428 00 20
2	Shirvan	+ 994 21 215 21 99
3	Beylagan	+ 994 21 225 21 99
4	Sabirabad	+ 994 21 235 69 99
5	İmişli	+ 994 21 246 60 01
6	Salyan	+ 994 21 255 21 99
7	Neftchala	+ 994 21 263 21 99
8	Agjabedi	+ 994 21 275 21 99
9	Saatlı	+ 994 21 285 21 99

<b>GANJA REGION - 22</b>		
1	Ganja	+ 994 22 257 21 99
		+ 994 22 428 70 99
2	Goygol	+ 994 22 205 24 19
3	Dashkasan	+ 994 22 215 21 99
4	Akstafa	+ 994 22 225 21 99
		+ 994 22 428 33 13
5	Tartar	+ 994 22 236 21 99
6	Goranboy	+ 994 22 245 21 99
7	Samukh	+ 994 22 275 21 99
8	Gazakh	+ 994 22 295 21 99
9	Shamkir	+ 994 22 305 21 90
10	Tovuz	+ 994 22 315 00 00
11	Gadabay	+ 994 22 326 01 71
12	Yevlakh	+ 994 22 336 21 99
		+ 994 22 428 26 41
13	Naftalan	+ 994 22 352 21 99

<b>GUBA REGION- 23</b>		
1	Siyazan	+ 994 23 304 21 99
2	Khızı	+ 994 23 315 00 00
3	Khachmaz	+ 994 23 325 21 99
4	Guba	+ 994 23 335 21 99
5	Shabran	+ 994 23 353 21 99
6	Gusar	+ 994 23 385 21 99

<b>SHAKI REGION - 24</b>		
1	Gabala	+ 994 24 205 21 99
2	Oguz	+ 994 24 215 21 90
3	Zagatala	+ 994 24 225 21 99
4	Shaki	+ 994 24 244 21 99
6	Gakh	+ 994 24 255 21 99
5	Mingechevir	+ 994 24 274 21 99
7	Balaken	+ 994 24 295 21 99

<b>LANKARAN REGION - 25</b>		
1	Yardımlı	+ 994 25 206 21 99
2	Masallı	+ 994 25 215 21 99
3	Astara	+ 994 25 225 21 99
4	Jalilabad	+ 994 25 245 21 99
5	Lankaran	+ 994 25 255 21 99
6	Lerik	+ 994 25 274 60 30
7	Bilasuvar	+ 994 25 295 21 99

<b>SHUSHA REGION - 26</b>		
1	Fuzuli	+ 994 26 315 50 00
2	Agdam	+ 994 26 325 06 32
3	Jebayil	+ 994 26 384 37 99

<b>NAKHCHIVAN REGION - 36</b>		
1	Nakhchivan	+ 994 36 544 63 00
		+ 994 36 550 99 19
2	Nakhtel network	+ 994 36 554 00 32
3	Babek	+ 994 36 541 30 99
4	Sherur	+ 994 36 542 25 99
		+ 994 36 552 44 00
5	Shahbuz	+ 994 36 543 00 99
6	Julfa	+ 994 36 546 01 99
7	Ordubad	+ 994 36 547 00 99
8	Kangarli	+ 994 36 548 07 00
9	Sederek	+ 994 36 549 00 00

**MOBILE operators:**

	<i>Mobile operator</i>	<i>Country code</i>	<i>Mobile code</i>	<i>Test number</i>
1	AZERCELL_GSM	994	50, 51	+994 50 225 1111 +994 51 899 1605 +994 50 221 0076
2	BAKCELL_GSM	994	55	+994 55 210 0001
3	AZERFON_GSM	994	70,77	+994 70 200 0795 +994 77 200 0795
4	CATEL_CDMA	994	40	
5	NAKHTEL_CDMA	994	60	+994 60 540 0024/31

**CDMA:**

1	REGION_CDMA	994	44	+994 44 201 2199
---	-------------	-----	----	------------------

**Contact:**

Sevinj Valiyeva  
Ministry of Communications and High Technologies  
77, Zarifa Aliyeva Str., AZ 1000  
BAKU  
Azerbaijan  
Tel: +994 12 598 0752  
Fax: +994 12 493 7363  
E-mail: [tsh.sevinc@mincom.gov.az](mailto:tsh.sevinc@mincom.gov.az)  
URL: [www.mincom.gov.az](http://www.mincom.gov.az)

**Bahrain (country code +973)**

Communication of 15.III.2016:

The *Telecommunications Regulatory Authority (TRA)*, Manama, announces the updated ITU-T E.164 National Numbering Plan for Bahrain.

**Presentation of national ITU-T E.164 numbering plan  
for country code 973**

## a) Overview:

The minimum number length (excluding the country code) is **3** digits.

The maximum number length (excluding the country code) is **8** digits.

## b) Link to the national database (or any applicable list) with assigned ITU-T E.164 numbers within the national numbering plan (if any):

<http://www.tra.org.bh/en/numbering>

## c) Link to the real-time database reflecting ported ITU-T E.164 numbers (if any):

(reference of the URL)

Not applicable

## d) Detail of numbering plan:

NDC (national destination code) or leading digits of N(S)N (national (significant) number)	N(S)N number length		Usage of E.164 number	Additional information
	Maximum length	Minimum length		
13100000 – 13109999	8	8	Fixed	Viva (Fixed)
13110000 – 13119999	8	8	Fixed	Viva (Fixed)
13300000 – 13399999	8	8	Fixed	Etisalcom Bahrain Company W.L.L
13600000 – 13699999	8	8	Fixed	Zain Bahrain B.S.C. Closed (Fixed)
16000000 – 16039999	8	8	Fixed	Nuetel Communications S.P.C
16060000 – 16079999	8	8	Fixed	Nuetel Communications S.P.C
16100000 – 16109999	8	8	Fixed	Kalam Telecom Bahrain B.S.C Closed
16160000 – 16169999	8	8	Fixed	Kalam Telecom Bahrain B.S.C Closed
16190000 – 16199999	8	8	Fixed	Kalam Telecom Bahrain B.S.C Closed
16500000 – 16599999	8	8	Fixed	2Connect WLL.
16600000 – 16699999	8	8	Fixed	Lightspeed Communications W.L.L
17000000 – 17999999	8	8	Fixed	Bahrain Telecommunications Company (BATELCO) B.S.C – Fixed
32000000 – 32099999	8	8	Mobile	Bahrain Telecommunications Company (BATELCO) B.S.C
32100000 – 32199999	8	8	Mobile	Bahrain Telecommunications Company (BATELCO) B.S.C
32200000 – 32299999	8	8	Mobile	Bahrain Telecommunications Company (BATELCO) B.S.C
32300000 – 32399999	8	8	Mobile	Bahrain Telecommunications Company (BATELCO) B.S.C
33000000 – 33999999	8	8	Mobile	VIVA Bahrain B.S.C. Closed
34000000 – 34199999	8	8	Mobile	VIVA Bahrain B.S.C. Closed
34200000 – 34299999	8	8	Mobile	VIVA Bahrain B.S.C. Closed
34300000 – 34349999	8	8	Mobile	VIVA Bahrain B.S.C. Closed
34350000 – 34599999	8	8	Mobile	VIVA Bahrain B.S.C. Closed
35000000 – 35199999	8	8	Mobile	VIVA Bahrain B.S.C. Closed

NDC (national destination code) or leading digits of N(S)N (national (significant) number)	N(S)N number length		Usage of E.164 number	Additional information
	Maximum length	Minimum length		
35300000 – 35399999	8	8	Mobile	VIVA Bahrain B.S.C. Closed
35500000 – 35599999	8	8	Mobile	VIVA Bahrain B.S.C. Closed
35600000 – 35699999	8	8	Mobile	VIVA Bahrain B.S.C. Closed
35900000 – 35999999	8	8	Mobile	VIVA Bahrain B.S.C. Closed
36000000 – 36999999	8	8	Mobile	Zain Bahrain B.S.C. Closed
37000000 – 37999999	8	8	Mobile	Zain Bahrain B.S.C. Closed
38000000 – 38499999	8	8	Mobile	Bahrain Telecommunications Company (BATELCO) B.S.C
38700000 – 38799999	8	8	Mobile	Bahrain Telecommunications Company (BATELCO) B.S.C
38800000 – 38899999	8	8	Mobile	Bahrain Telecommunications Company (BATELCO) B.S.C
38900000 – 38999999	8	8	Mobile	Bahrain Telecommunications Company (BATELCO) B.S.C
39000000 – 39999999	8	8	Mobile	Bahrain Telecommunications Company (BATELCO) B.S.C
61110000 – 61119999	8	8	Universal no.s Fixed	Bahrain Broadband Co. W.L.L
63000000 – 63009999	8	8	Universal no.s mobile	VIVA Bahrain B.S.C. Closed
63330000 – 63339999	8	8	Universal no.s mobile	VIVA Bahrain B.S.C. Closed
63610000 – 63619999	8	8	Universal no.s mobile	VIVA Bahrain B.S.C. Closed
63660000 – 63669999	8	8	Universal no.s mobile	VIVA Bahrain B.S.C. Closed
65000000 – 65009999	8	8	Universal no.s Fixed	Viacloud W.L.L.
66000000 – 66009999	8	8	Universal no.s Fixed	Kalam Telecom Bahrain B.S.C Closed
66300000 – 66309999	8	8	Universal no.s mobile	Zain Bahrain B.S.C. Closed
66310000 – 66329999	8	8	Universal no.s Fixed	Zain Bahrain B.S.C. Closed (Fixed)
66330000 – 66399999	8	8	Universal no.s mobile	Zain Bahrain B.S.C. Closed
66600000 – 66699999	8	8	Universal no.s mobile	Zain Bahrain B.S.C. Closed
66700000 – 66769999	8	8	Universal no.s mobile	Bahrain Telecommunications Company (BATELCO) B.S.C
66770000 – 66799999	8	8	Universal no.s Fixed	Bahrain Telecommunications Company (BATELCO) B.S.C – Fixed
66900000 – 66999999	8	8	Universal no.s mobile	Zain Bahrain B.S.C. Closed
69660000 – 69669999	8	8	Universal no.s Fixed	Rapid Telecommunications W.L.L
69690000 – 69699999	8	8	Universal no.s Fixed	Rapid Telecommunications W.L.L
69960000 – 69969999	8	8	Universal no.s Fixed	Rapid Telecommunications W.L.L

NDC (national destination code) or leading digits of N(S)N (national (significant) number)	N(S)N number length		Usage of E.164 number	Additional information
	Maximum length	Minimum length		
69990000 – 69999999	8	8	Universal no.s Fixed	Rapid Telecommunications W.L.L
71110000 – 71119999	8	8	Universal no.s Fixed	Bahrain Broadband Co. W.L.L
77000000 – 77999999	8	8	Universal no.s Fixed	Menatelecom W.L.L (Fixed)
80000000 – 80009999	8	8	Special services	Bahrain Telecommunications Company (BATELCO) B.S.C – Fixed
80010000 – 80019999	8	8	Special services	Kalam Telecom Bahrain B.S.C Closed
80020000 – 80029999	8	8	Special services	Nuetel Communications S.P.C
80030000 – 80039999	8	8	Special services	Etisacom Bahrain Company W.L.L
80044367	8	8	Special services	TRA – Provider
80047676	8	8	Special services	TRA – Provider
80060000 – 80069999	8	8	Special services	Lightspeed Communications W.L.L
80070000 – 80079999	8	8	Special services	Zain Bahrain B.S.C. Closed (Fixed)
80080000 – 80089999	8	8	Special services	2Connect WLL.
80090000 – 80099999	8	8	Special services	Menatelecom W.L.L (Fixed)
80100000 – 80100999	8	8	Special services	Viva (Fixed)
80408000 – 80408999	8	8	Special services	Viacloud W.L.L.
80800000 – 80809999	8	8	Special services	Ascentech Technical Services
80888000 – 80888999	8	8	Special services	Rapid Telecommunications W.L.L
84480000 – 84489999	8	8	Special services	2Connect WLL.
87000000 – 87000999	8	8	Special services	Viva (Fixed)
87700000 – 87700999	8	8	Special services	Viva (Fixed)
87780000 – 87789999	8	8	Special services	2Connect WLL.
90000000 – 90009999	8	8	Premium rate no.s	Bahrain Telecommunications Company (BATELCO) B.S.C – Fixed
90010000 – 90010999	8	8	Premium rate no.s	Nuetel Communications S.P.C
90090000 – 90099999	8	8	Premium rate no.s	Etisacom Bahrain Company W.L.L
95050000 – 95059999	8	8	Premium rate no.s	2Connect WLL.
95150000 – 95159999	8	8	Premium rate no.s	2Connect WLL.

Contact:

TRA BAHRAIN  
 Mohammed Abdulla Ramzan Alnoaimi  
 Director, Technical and Operations Department  
 P.O. Box 10353  
 Manama – Bahrain  
 Tel: +973 17 520 000  
 Fax: +973 17 532 125  
 E-mail: [ict@tra.org.bh](mailto:ict@tra.org.bh)  
 URL: <http://www.tra.org.bh>

**Liberia (country code +231)**

Communication of 17.III.2016:

The *Liberia Telecommunications Authority (LTA)*, Monrovia, announces that LTA has updated its numbering plan. Cellcom Telecommunications Incorporation has been authorized to use the number block (77) 8XX XXXX and WASSCOM Telecom has been authorized to use the number block (33) 22X XXXX as reflected in the chart below.

Furthermore, the number block (90) 0XX XXXX, (99) 4XX XXXX, (33) 200 XXXX and (90) 3XX XXXX included in the previous numbering plan updates have been deactivated.

The updated numbering plan is as follows:

<i>Operator</i>	<i>Numbering series</i>
Novafone	(55) 5XX XXXX
Cellcom Telecommunications Incorporation	(77) 0XX XXXX
Cellcom Telecommunications Incorporation	(77) 5XX XXXX
Cellcom Telecommunications Incorporation	(77) 6XX XXXX
Cellcom Telecommunications Incorporation	(77) 7XX XXXX
<b>Cellcom Telecommunications Incorporation</b>	<b>(77) 8XX XXXX</b>
Lonestar Communications Corporation	(88) 0XX XXXX
Lonestar Communications Corporation	(88) 6XX XXXX
Lonestar Communications Corporation	(88) 8XX XXXX
West Africa Telecommunications Inc. (WAT)	(33) 0XX XXXX
Liberia Telecommunications Corporation (LIBTELCO)	(20) XXX XXXX
Atlantic Reality & Investment Corporation	(33) 202 XXXX
WASSCOM	(33) 25X XXXX
<b>WASSCOM</b>	<b>(33) 22X XXXX</b>

All Administrations and Recognized Operating Agencies (ROAs) are requested to ensure that the above numbering ranges are programmed in their switches.

Contact:

Liberia Telecommunications Authority (LTA)  
Commission Annex  
12th Street, Sinkor, Tubman Boulevard  
MONROVIA  
Liberia  
Tel: +231 777427282  
Email: info@lta.gov.lr; epayegar@lta.gov.lr  
URL: www.lta.gov.lr



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

### Malawi

Communication of 11.III.2016:

#### *Change of name*

The *Ministry of Information, Tourism and Civic Education*, Lilongwe, announces that it has changed its name. It is now called: « *Ministry of Information and Civic Education* ».

Ministry of Information and Civic Education  
Private Bag 310  
LILONGWE 3  
Malawi  
Tel: +265 1770377  
Fax: +265 1774568  
Email: [principal.secretary@information.gov.mw](mailto:principal.secretary@information.gov.mw)

## 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. 14)

### PART I

#### STATIONS IN THE TERRESTRIAL RADIOCOMMUNICATION SERVICES

**RUS** Russian Federation

**P 330 ADD** by alphabetical order

Name of the station	Postal address	Telephone, Telefax, Electronic-mail		
Irkutsk	24, Gornaya Str. 664007 Irkutsk Russian Federation	TF : +7 395 2268960 FAX : +7 395 2268972 EMAIL : office@irk.srfc.ru		
Geographical coordinates	Types of measurements	Ranges of frequencies for each measurement	Hours of service	Remarks
52°39'37"N 104°47'10"E	Frequency measurements	10 kHz - 30 MHz	H24	Accuracy of measurements: ± 1 Hz (absolute value).
52°39'37"N 104°47'10"E	Field strength or power flux-density measurements	10 kHz - 30 MHz	H24	Measurement range: 10 - 120 dBµV/m.  Accuracy of measurements: ± 3 dB.
52°39'37"N 104°47'10"E	Direction-finding measurements	10 kHz - 30 MHz	H24	Antenna system with frequency range from 10 kHz to 100 kHz - two magnetic dipoles - multiturn frames with ferrite cores, active length of antenna not less than 0.5 m. Vertical polarization.  Antenna system with frequency range from 100 kHz to 1 MHz - two magnetic dipoles - three-turn frames with diameter 3 m, active length of antenna not less than 1.5 m. Vertical polarization.
				.../...

(cont.)

RUS Russian Federation (cont.)

Geographical coordinates	Types of measurements	Ranges of frequencies for each measurement	Hours of service	Remarks
52°39'37"N 104°47'10"E	Direction-finding measurements	10 kHz - 30 MHz	H24	Antenna system with frequency range from 1 MHz to 30 MHz - 17 active antenna elements based on vertical asymmetrical volume vibrators with a height of 11.93 m. Vertical polarization.
52°39'37"N 104°47'10"E	Bandwidth measurements	10 kHz - 30 MHz	H24	x dB method and β% method according to ITU-R Recommendation SM.443-4.
52°39'37"N 104°47'10"E	Automatic spectrum occupancy surveys	10 kHz - 30 MHz	H24	Automatic measurement of spectrum occupancy in accordance with ITU-R Recommendation SM.1880 and ITU Handbook on Spectrum Monitoring.

**List of ITU-T Recommendation E.164 assigned Country Codes  
(Complement to ITU-T Recommendation E.164 (11/2010))  
(Position on 1 November 2011)**

(Annex to ITU Operational Bulletin No. 991 – 1.XI.2011)  
(Amendment No. 16)

**Notes common to Numerical and Alphabetical lists of ITU-T Recommendation E.164 assigned country codes**

Associated with shared country code 883, the following three-digit identification code has been assigned for the international network of:

**Note p) +883 190 ADD\***

<i>Applicant</i>	<i>Network</i>	<i>Country Code and Identification Code</i>	<i>Status</i>
Communication for Devices in Sweden AB	Communication for Devices in Sweden AB	+883 190	Assigned

\* 15 March 2016

**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)**

(Annex to ITU Operational Bulletin No. 1088 – 15.XI.2015)  
(Amendment No. 5)

**Canada 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>
Canada	<b>ECOTEL inc.</b> 2570 Letourneux, Unit 3 Montreal, QC, H1V 2P4	<b>89 1 302</b>	Mr Eric L'Heureux ECOTEL inc. 2570 Letourneux, Unit 3 Montreal, QC, H1V 2P4 Tel: +1 514 497 1939 Fax: +1 514 447 3360 Email: eric@ecotelecom.ca	1.III.2016

**Germany 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>
Germany	<b>Voiceworks GmbH</b> Düsseldorfer Strasse 16 40699 ERKRATH	<b>89 49 35</b>	Mr. Christian Bichbäumer Voiceworks GmbH Düsseldorfer Strasse 16 40699 ERKRATH Tel: +49 157 75405030 Email: christian.bichbaeumer@voiceworks.com	10.III.2016

**Sweden 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>
Sweden	<b>Communication for Devices in Sweden AB</b> Cardellgatan 1 114 36 STOCKHOLM	<b>89 883 04</b>	Mr. Henning Solberg Communication for Devices in Sweden AB Cardellgatan 1 114 36 STOCKHOLM Tel: +4794049404 Fax: +4794049405 E-mail: henning.solberg@com4.se	16.III.2016

**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. 13)

**Numerical order    ADD**

5-135      Thailand

**Alphabetical order    ADD**

5-135      Thailand

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

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

(Annex to ITU Operational Bulletin No. 1060 – 15.IX.2014)  
(Amendment No. 24)

<i>Country or area/ISO code</i>	<i>Company Code</i>	<i>Contact</i>
<i>Company Name/Address</i>	<i>(carrier code)</i>	
<b>Germany (Federal Republic of) / DEU    ADD</b>		
HFO Home GmbH Bahnhofstrasse 18 95028 HOF	<b>HOME</b>	Tel: +49 9281 1448 100 Fax: +49 9281 1448 222 E-mail: home@hfo-telecom.de
nexiu GmbH Am Dreschplatz 3 61273 WEHRHEIM	<b>NEXIU</b>	Mr Christopher Mandt Tel: +49 6081 91204 11 Fax: +49 6081 91204 19 E-mail: info@nexiu.de
Stadtwerke Flensburg GmbH Batteriestrasse 48 24939 FLENSBURG	<b>SWFL</b>	Mr Erik Domsalla Tel: +49 461 487 3425 Fax: +49 461 487 2733 E-mail: hostmaster@stadtwerke-flensburg.de

<i>Country or area/ISO code</i>	<i>Company Code</i>	<i>Contact</i>
<i>Company Name/Address</i>	<i>(carrier code)</i>	
Stadtwerke Soltau GmbH & Co.KG Weinberg 46 29614 SOLTAU	<b>SWSOL</b>	Mr Frank Wesseloh Tel: +49 5191 84 230 Fax: +49 5191 84 329 E-mail: frank.wesseloh@sw-soltau.de
<b>Germany (Federal Republic of) / DEU</b>	<b>SUP</b>	
HFO Home GmbH Bahnhofstrasse 18 95028 HOF	<b>TELSON</b>	Mrs Stefanie Krause Tel: +49 9281 1448 100 Fax: +49 9281 1448 123 E-mail: krause@hfo-telecom.de

**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. 29)

<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>Estonia</b>	<b>ADD</b>	
2-199-7	5695	NRD/TLN11 Nord Connect OÜ
<b>Singapore</b>	<b>SUP</b>	
5-141-0	11368	IPTEL IPtel Global Pte Ltd
<b>Sweden</b>	<b>ADD</b>	
7-207-0	15992	MontyMobile-SWE-1 Monty UK Global Limited
7-207-1	15993	MontyMobile-SWE-2 Monty UK Global Limited
<b>Thailand</b>	<b>ADD</b>	
5-039-0	10552	BPL/POI (AWN-ISC1) Advance Wireless Network
5-039-1	10553	RST/POI (AWN-ISC2) Advance Wireless Network
5-039-2	10554	TIC-TYN-1 True International
5-039-3	10555	TIC-MTG-1 True International
5-039-4	10556	TIC-TYN-3 True International
5-039-5	10557	TIC-MTG-3 True International
5-044-6	10598	BPL/POI (AWN-STP1) Advance Wireless Network
5-044-7	10599	TWA/POI (AWN-STP2) Advance Wireless Network

<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>Thailand</b>	<b>LIR</b>		
5-040-0	10560	ITSC4B	CAT
5-040-1	10561	ITSC1/IMS1	CAT
5-040-2	10562	ITSC2/IMS2	CAT
5-040-3	10563	ITSC3/STP3	CAT
5-040-4	10564	ITSC4A	CAT
5-040-5	10565	STP1	CAT
5-040-6	10566	STP2	CAT
5-040-7	10567	STP4	CAT
5-041-0	10568	ST-RST	DTAC Network
5-041-1	10569	TOT - ISG1 - KKM	TOT
5-041-2	10570	TOT - IGW1 - KKM	TOT
5-041-3	10571	TOT - IGW2 - HY1	TOT
5-041-4	10572	TOT - ISG2 - HY1	TOT
5-041-5	10573	NSC -1 - KKM	TOT
5-041-6	10574	NSC -1 - HY1	TOT
5-041-7	10575	IGW – STS	Triple T Global Net
5-042-0	10576	IG – RST	DTAC Network
5-042-1	10577	BPL/POI (AIN-ISC1)	AIN Globalcom
5-042-2	10578	RST/POI (AIN-ISC2)	AIN Globalcom
5-042-3	10579	N&T STP – A	True International
5-042-4	10580	N&T STP – B	True International
5-042-5	10581	N&T SG	True International
5-042-6	10582	ST – SNK	DTAC Network
5-042-7	10583	IG – SNK	DTAC Network
5-043-0	10584	IGW – JMN	Triple T Global Net
5-043-1	10585	IGW – AYA	Triple T Global Net
5-043-2	10586	STP – C	True International
5-043-3	10587	STP – D	True International
5-043-4	10588	MSC-LKS	TOT
5-043-5	10589	MGW-LKS	TOT
5-043-6	10590	MSC-KKM	TOT
5-043-7	10591	MGW-KKM	TOT
5-044-0	10592	BPL/POI (AIN-STP1)	AIN Globalcom
5-044-1	10593	BPL/POI (AIN-STP2)	AIN Globalcom
5-044-2	10594	IGW_RST2 (MSC-S)	DTAC Network
5-044-3	10595	IGW_RST2 (MGW)	DTAC Network
5-044-4	10596	IGW_SNK2 (MSC-S)	DTAC Network
5-044-5	10597	IGW_SNK2 (MGW)	DTAC Network

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 1.III.2016 the following countries have updated their national numbering plan on our site:

<i>Country</i>	<i>Country Code (CC)</i>
Oman	+968