

# ITU Operational Bulletin

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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-84, 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.743.2 (07/2016): Requirements for cloud storage in visual surveillance
- ITU-T F.743.3 (07/2016): Requirements for visual surveillance system interworking
- ITU-T F.745 (07/2016): Functional requirements for network-based speech-to-speech translation services
- ITU-T G.799.1/Y.1451.1 (07/2016): Functionality and interface specifications for GSTN transport network equipment for interconnecting GSTN and IP networks
- ITU-T G.8271/Y.1366 (07/2016): Time and phase synchronization aspects of packet networks
- ITU-T H.222.0 (2014) Amd. 1 Cor. 2 (07/2016): Clarifications and corrections on pause flag, URL construction and adaptation field syntax
- ITU-T H.222.0 (2014) Cor. 1 (07/2016): Correction to PES header table and removal of semantic element from clause 2.6.61
- ITU-T H.222.0 (2014) Amd. 4 (07/2016): New Profiles and Levels for MPEG-4 audio descriptor
- ITU-T H.222.0 (2014) Amd. 5 (07/2016): Carriage of MPEG-H 3D audio over MPEG-2 systems
- ITU-T H.222.0 (2014) Amd. 6 (07/2016): Carriage of quality metadata in MPEG-2 systems
- ITU-T H.248.50 (07/2016): Gateway control protocol: NAT traversal toolkit packages
- ITU-T H.703 (07/2016): Enhanced user interface framework for IPTV terminal devices
- ITU-T H.723 (07/2016): IPTV Terminal Device: Mobile model
- ITU-T H.742.0 (07/2016): Use of video sensor devices for IPTV services: Architecture and requirements
- ITU-T H.810 (07/2016): Interoperability design guidelines for personal health systems
- ITU-T H.811 (07/2016): Interoperability design guidelines for personal health systems: PAN/LAN/TAN interface
- ITU-T H.812 (07/2016): Interoperability design guidelines for personal health systems: WAN interface: Common certified device class
- ITU-T H.812.1 (07/2016): Interoperability design guidelines for personal health systems: WAN interface: Observation upload certified device class
- ITU-T H.812.2 (07/2016): Interoperability design guidelines for personal health systems: WAN interface: Questionnaires
- ITU-T H.812.3 (07/2016): Interoperability design guidelines for personal health systems: WAN interface: Capability exchange certified device class
- ITU-T H.812.4 (07/2016): Interoperability design guidelines for personal health systems: WAN interface: Authenticated persistent session device class
- ITU-T H.813 (07/2016): Interoperability design guidelines for personal health systems: Health record network (HRN) interface
- ITU-T H.821 (07/2016): Conformance of ITU-T H.810 personal health devices: Health record network (HRN) interface
- ITU-T H.830.1 (07/2016): Conformance of ITU-T H.810 personal health devices: WAN interface Part 1: Web services interoperability: Sender
- ITU-T H.830.2 (07/2016): Conformance of ITU-T H.810 personal health devices: WAN interface Part 2: Web services interoperability: Receiver
- ITU-T H.830.3 (07/2016): Conformance of ITU-T H.810 personal health devices: WAN interface Part 3: SOAP/ATNA: Sender

- ITU-T H.830.4 (07/2016): Conformance of ITU-T H.810 personal health devices: WAN interface Part 4: SOAP/ATNA: Receiver
- ITU-T H.830.5 (07/2016): Conformance of ITU-T H.810 personal health devices: WAN interface Part 5: PCD-01 HL7 messages: Sender
- ITU-T H.830.6 (07/2016): Conformance of ITU-T H.810 personal health devices: WAN interface Part 6: PCD-01 HL7 messages: Receiver
- ITU-T H.830.7 (07/2016): Conformance of ITU-T H.810 personal health devices: WAN interface Part 7: Consent management: Sender
- ITU-T H.830.8 (07/2016): Conformance of ITU-T H.810 personal health devices: WAN interface Part 8: Consent management: Receiver
- ITU-T H.830.9 (07/2016): Conformance of ITU-T H.810 personal health devices: WAN interface Part 9: hData observation upload: Sender
- ITU-T H.830.10 (07/2016): Conformance of ITU-T H.810 personal health devices: WAN interface Part 10: hData observation upload: Receiver
- ITU-T H.830.11 (07/2016): Conformance of ITU-T H.810 personal health devices: WAN interface Part 11: Questionnaires: Sender
- ITU-T H.830.12 (07/2016): Conformance of ITU-T H.810 personal health devices: WAN interface Part 12: Questionnaires: Receiver
- ITU-T H.840 (07/2016): Conformance of ITU-T H.810 personal health devices: PAN/LAN/TAN: USB host
- ITU-T H.841 (07/2016): Conformance of ITU-T H.810 personal health devices: PAN/LAN/TAN interface Part 1: Optimized exchange protocol: Agent
- ITU-T H.842 (07/2016): Conformance of ITU-T H.810 personal health devices: PAN/LAN/TAN interface Part 2: Optimized exchange protocol: Manager
- ITU-T H.843 (07/2016): Conformance of ITU-T H.810 personal health devices: PAN/LAN/TAN interface Part 3: Continua Design Guidelines: Agent
- ITU-T H.844 (07/2016): Conformance of ITU-T H.810 personal health devices: PAN/LAN/TAN interface Part 4: Continua Design Guidelines: Manager
- ITU-T H.845.1 (07/2016): Conformance of ITU-T H.810 personal health devices: PAN/LAN/TAN interface Part 5A: Weighing scales: Agent
- ITU-T H.845.2 (07/2016): Conformance of ITU-T H.810 personal health devices: PAN/LAN/TAN interface Part 5B: Glucose meter: Agent
- ITU-T H.845.3 (07/2016): Conformance of ITU-T H.810 personal health devices: PAN/LAN/TAN interface Part 5C: Pulse oximeter: Agent
- ITU-T H.845.4 (07/2016): Conformance of ITU-T H.810 personal health devices: PAN/LAN/TAN interface Part 5D: Blood pressure monitor: Agent
- ITU-T H.845.5 (07/2016): Conformance of ITU-T H.810 personal health devices: PAN/LAN/TAN interface Part 5E: Thermometer: Agent
- ITU-T H.845.6 (07/2016): Conformance of ITU-T H.810 personal health devices: PAN/LAN/TAN interface Part 5F: Cardiovascular fitness and activity monitor: Agent
- ITU-T H.845.7 (07/2016): Conformance of ITU-T H.810 personal health devices: PAN/LAN/TAN interface Part 5G: Strength fitness equipment: Agent
- ITU-T H.845.8 (07/2016): Conformance of ITU-T H.810 personal health devices: PAN/LAN/TAN interface Part 5H: Independent living activity hub: Agent
- ITU-T H.845.9 (07/2016): Conformance of ITU-T H.810 personal health devices: PAN/LAN/TAN interface Part 5I: Medication adherence monitor: Agent

- ITU-T H.845.11 (07/2016): Conformance of ITU-T H.810 personal health devices: PAN/LAN/TAN interface Part 5K: Peak expiratory flow monitor: Agent
- ITU-T H.845.12 (07/2016): Conformance of ITU-T H.810 personal health devices: PAN/LAN/TAN interface Part 5L: Body composition analyser: Agent
- ITU-T H.845.13 (07/2016): Conformance of ITU-T H.810 personal health devices: PAN/LAN/TAN interface Part 5M: Basic electrocardiograph: Agent
- ITU-T H.845.14 (07/2016): Conformance of ITU-T H.810 personal health devices: PAN/LAN/TAN interface Part 5N: International normalized ratio: Agent
- ITU-T H.845.15 (07/2016): Conformance of ITU-T H.810 personal health devices: PAN/LAN/TAN interface Part 5O: Sleep apnoea breathing therapy equipment: Agent
- ITU-T H.846 (07/2016): Conformance of ITU-T H.810 personal health devices: PAN/LAN/TAN interface Part 6: Device specializations: Manager
- ITU-T H.847 (07/2016): Conformance of ITU-T H.810 personal health devices: PAN/LAN/TAN interface Part 7: Bluetooth low energy (BLE): Agent
- ITU-T H.848 (07/2016): Conformance of ITU-T H.810 personal health devices: PAN/LAN/TAN interface Part 8: Bluetooth low energy (BLE): Manager
- ITU-T H.849 (07/2016): Conformance of ITU-T H.810 personal health devices: PAN/LAN/TAN interface Part 9: Transcoding for Bluetooth low energy (BLE): Agent
- ITU-T H.850 (07/2016): Conformance of ITU-T H.810 personal health devices: PAN/LAN/TAN interface Part 10: Transcoding for Bluetooth low energy (BLE): Manager
- ITU-T K.50 (07/2016): Safe limits of operating voltages and currents for telecommunication systems powered over the network
- ITU-T L.1102 (07/2016): Use of printed labels for communicating information on rare metals in information and communication technology goods
- ITU-T Q.3960 (07/2016): Framework of Internet speed measurements for the fixed and mobile networks

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

### Note from TSB

At the request of the Administration of Bulgaria, 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>
Bulgaria (Republic of)	5-217

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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 6.VII.2016:

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

- withdrawal – Mobile communication services

<i>Provider</i>	<i>Numbering series</i>	<i>Date of withdrawal</i>
Phone-IT	7190efgh	31 March 2016

- assignment – Mobile communication services

<i>Provider</i>	<i>Numbering series</i>	<i>Date of assignment</i>
Care Solutions ApS	81372fgh	5 July 2016
Monty UK Global Limited	81375fgh	6 July 2016

- withdrawal – Fixed communication services

<i>Provider</i>	<i>Numbering series</i>	<i>Date of withdrawal</i>
Phone-IT	69880fgh	31 March 2016
Telenor A/S	70600fgh, 70700fgh and 70800fgh	5 July 2016

- assignment – Fixed communication services

<i>Provider</i>	<i>Numbering series</i>	<i>Date of assignment</i>
Care Solutions ApS	69880fgh	5 July 2016
Maxtel.dk	70600fgh, 70700fgh and 70800fgh	5 July 2016
Colt Technology Services	3273efgh	6 July 2016

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## Hungary (country code +36)

Communication of 6.VII.2016:

The *National Media and Infocommunications Authority*, Budapest, announces the E.164 National Numbering Plan (NNP) for Hungary (country code +36).

### **Presentation of E.164 National Numbering Plan (NNP) for Hungary (country code +36)**

a) Overview

Minimum number length (excluding the country code): eight (8) digits  
Maximum number length (excluding the country code): twelve (12) digits

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

NMIAH Assignment of Communication Identifiers:

<http://webpub-ext.nmhh.hu/aga/common/setLanguageAction.do?lang=en>

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

Phone number ported status:

<http://krapub.nmhh.hu/?lang=en>

d) Details of numbering scheme

(1)	(2)		(3)	(4)
NDC (National Destination Code)	N(S)N number length		Usage of ITU-T E.164 Number	Additional information
	Maximum length	Minimum length		
1	8	8	Geographic number	Area code for Budapest
20	9	9	Non-geographic number	Mobile
21	9	9	Non-geographic number	Nomadic telephone service
22	8	8	Geographic number	Area code for Székesfehérvár
23	8	8	Geographic number	Area code for Biatorbágy
24	8	8	Geographic number	Area code for Szigetszentmiklós
25	8	8	Geographic number	Area code for Dunaújváros
26	8	8	Geographic number	Area code for Szentendre
27	8	8	Geographic number	Area code for Vác
28	8	8	Geographic number	Area code for Gödöllő
29	8	8	Geographic number	Area code for Monor
30	9	9	Non-geographic number	Mobile
31	9	9	Non-geographic number	Mobile
32	8	8	Geographic number	Area code for Salgótarján
33	8	8	Geographic number	Area code for Esztergom
34	8	8	Geographic number	Area code for Tatabánya
35	8	8	Geographic number	Area code for Balassagyarmat
36	8	8	Geographic number	Area code for Eger
37	8	8	Geographic number	Area code for Gyöngyös

(1)	(2)		(3)	(4)
NDC (National Destination Code)	N(S)N number length		Usage of ITU-T E.164 Number	Additional information
	Maximum length	Minimum length		
38	9	9	Non-geographic number	Corporate networks
39	–	–	–	
40	8	8	Non-geographic number	Freephone service (national)
41	–	–	–	
42	8	8	Geographic number	Area code for Nyíregyháza
43	–	–	–	
44	8	8	Geographic number	Area code for Mátészalka
45	8	8	Geographic number	Area code for Kiszvárd
46	8	8	Geographic number	Area code for Miskolc
47	8	8	Geographic number	Area code for Szerencs
48	8	8	Geographic number	Area code for Ózd
49	8	8	Geographic number	Area code for Mezőkövesd
50	9	9	Non-geographic number	Mobile
51	8	8	Non-geographic number	Internet dial-up services
52	8	8	Geographic number	Area code for Debrecen
53	8	8	Geographic number	Area code for Cegléd
54	8	8	Geographic number	Area code for Berettyóújfalu
55	8	8	Geographic number	Test number
56	8	8	Geographic number	Area code for Szolnok
57	8	8	Geographic number	Area code for Jászberény
58	–	–	–	
59	8	8	Geographic number	Area code for Karcag
60	–	–	–	
61	–	–	–	
62	8	8	Geographic number	Area code for Szeged
63	8	8	Geographic number	Area code for Szentes
64	–	–	–	
65	–	–	–	
66	8	8	Geographic number	Area code for Békéscsaba
67	–	–	–	
68	8	8	Geographic number	Area code for Orosháza
69	8	8	Geographic number	Area code for Mohács
70	9	9	Non-geographic number	Mobile
71	12	12	Non-geographic number	M2M
72	8	8	Geographic number	Area code for Pécs
73	8	8	Geographic number	Area code for Szigetvár
74	8	8	Geographic number	Area code for Szekszárd

(1)	(2)		(3)	(4)
NDC (National Destination Code)	N(S)N number length		Usage of ITU-T E.164 Number	Additional information
	Maximum length	Minimum length		
75	8	8	Geographic number	Area code for Paks
76	8	8	Geographic number	Area code for Kecskemét
77	8	8	Geographic number	Area code for Kiskunhalas
78	8	8	Geographic number	Area code for Kiskőrös
79	8	8	Geographic number	Area code for Baja
80	8	8	Non-geographic number	Freephone service (national)
81	–	–	–	
82	8	8	Geographic number	Area code for Kaposvár
83	8	8	Geographic number	Area code for Keszthely
84	8	8	Geographic number	Area code for Siófok
85	8	8	Geographic number	Area code for Marcali
86	–	–	–	
87	8	8	Geographic number	Area code for Tapolca
88	8	8	Geographic number	Area code for Veszprém
89	8	8	Geographic number	Area code for Pápa
90	8	8	Non-geographic number	Premium-rate service (adult)
91	8	8	Non-geographic number	Premium-rate service
92	8	8	Geographic number	Area code for Zalaegerszeg
93	8	8	Geographic number	Area code for Nagykanizsa
94	8	8	Geographic number	Area code for Szombathely
95	8	8	Geographic number	Area code for Sárvár
96	8	8	Geographic number	Area code for Győr
97	–	–	–	
98	–	–	–	
99	8	8	Geographic number	Area code for Sopron

The *National Media and Infocommunications Authority*, Budapest, presents information for National-only numbers linked with emergency services and other services of social value.

***Description of important numbers related to emergency services and other services of social value***

<b>Country: Hungary</b>				
<b>(1)</b>	<b>(2)</b>	<b>(3)</b>	<b>(4)</b>	<b>(5)</b>
<b>Important number</b>	<b>Service</b>	<b>Allocated or assigned</b>	<b>ITU-T E.164 number or national-only number</b>	<b>Note</b>
104	Medical	Allocated in the NNP	National-only number	
105	Fire	Allocated in the NNP	National-only number	
107	Police	Allocated in the NNP	National-only number	
112	Emergency number	Allocated in the NNP	National-only number	
116000	Hotlines for missing children		National-only number	
116111	Child helplines		National-only number	
116123	Emotional support hotlines		National-only number	

Contact:

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URL: www.nmhh.hu

**Kenya (country code +254)**

Communication of 11.VII.2016:

The *Communications Authority of Kenya (CA)*, Nairobi, announces the updated National Numbering Plan (NNP) for Kenya.

***Description of introduction of new resource for national E.164 numbering plan for Kenya  
(country code 254)***

(1) NDC (national destination code) or leading digits of N(S)N (national (significant) number)	(2) N(S)N number length		(3) Usage of E.164 number	(4) Time and date of introduction
	Maximum length	Minimum length		
20 NDC and Leading Digits 759 : +254 20 759	9	9	Geonet Communications Ltd	26 <sup>th</sup> May 2016
744 (NDC)	9	9	Homeland Media Group	29 <sup>th</sup> February 2016
760 (NDC)	9	9	Mobile Pay	16 <sup>th</sup> April 2014
763 (NDC)	9	9	Finserve	17 <sup>th</sup> April 2014
764 (NDC)	9	9	Finserve	27 <sup>th</sup> April 2015
765 (NDC)	9	9	Finserve	6 <sup>th</sup> May 2016
766 (NDC)	9	9	Finserve	26 <sup>th</sup> May 2016
767 (NDC)	9	9	Sema Mobile	6 <sup>th</sup> August 2015
776 (NDC)	9	9	Telkom Kenya Limited	23 <sup>rd</sup> December 2015
777 (NDC)	9	9	Telkom Kenya Limited	23 <sup>rd</sup> December 2015
790 (NDC) 791 (NDC) 792 (NDC) 793 (NDC) 794 (NDC)	9	9	Safaricom Limited	17 <sup>th</sup> July 2015
795 (NDC) 796 (NDC) 797 (NDC)	9	9	Safaricom Limited	16 <sup>th</sup> September 2015

***Presentation of the national ITU-T E.164 numbering plan for Kenya Country Code 254***

## e) Overview:

Minimum number length (excluding the country code): seven (7) digits

Maximum number length (excluding the country code): nine (9) digits

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

<http://www.ca.go.ke/index.php/numbering>

g) Link to the real-time database reflecting ported ITU-T E.164 numbers (if any): No

h) Detail of numbering plan

(1)	(2)		(3)	(4)
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		
20 (NDC)	Nine (9)	Eight (8)	Geographical number for fixed telephony services for Nairobi	Area Code for Nairobi
40 (NDC)	Nine (9)	Eight (8)	Geographical number for fixed telephony services	Area Code for Kwale, Ukunda, Msambweni and Lungalunga areas
41 (NDC)	Nine (9)	Nine (9)	Geographical number for fixed telephony services	Area Code for Mombasa, Mariakani and Kilifi towns
42 (NDC)	Nine (9)	Seven (7)	Geographical number for fixed telephony services	Area Code for Malindi, Lamu and Garsen
43 (NDC)	Nine (9)	Nine (9)	Geographical number for fixed telephony services	Area Code for Voi, Mwatate Wundanyi and Taveta areas of Taita Taveta region
44 (NDC)	Nine (9)	Seven (7)	Geographical number for fixed telephony services	Area Code for Machakos, Makueni, Kitui and Mwingi Regions
45 (NDC)	Nine (9)	Seven (7)	Geographical number for fixed telephony services	Area Code for Ngong, Kajiado, Loitokitok and Athi River
46 (NDC)	Nine (9)	Nine (9)	Geographical number for fixed telephony services	Area Code for North Eastern regions of Garissa, Wajir and Mandera
50 (NDC)	Nine (9)	Nine (9)	Geographical number for fixed telephony services	Area Code for Narok Region and Naivasha and Gilgil areas of Nakuru
51 (NDC)	Nine (9)	Eight (8)	Geographical number for fixed telephony services	Area Code for Nakuru, Njoro and Molo areas of Nakuru region
52(NDC)	Nine (9)	Seven (7)	Geographical number for fixed telephony services	Area Code for Kericho and Bomet regions
53(NDC)	Nine (9)	Seven (7)	Geographical number for fixed telephony services	Area Code for Eldoret, Turbo, Kapsabet, Iten and Kabarnet

(1)	(2)		(3)	(4)
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		
54 (NDC)	Nine (9)	Seven (7)	Geographical number for fixed telephony services	Area Code for Kitale, Moisbridge, Kapenguria and Lodwar regions
55 (NDC)	Nine (9)	Seven (7)	Geographical number for fixed telephony services	Area Code for Bungoma and Busia
56 (NDC)	Nine (9)	Seven (7)	Geographical number for fixed telephony services	Area Code for Kakamega and Vihiga regions
57 (NDC)	Nine (9)	Seven (7)	Geographical number for fixed telephony services	Area Code for Kisumu and Siaya regions
58 (NDC)	Nine (9)	Nine (9)	Geographical number for fixed telephony services	Area Code for Kisii, Kilgoris, Oyugis and Nyamira regions
59 (NDC)	Nine (9)	Seven (7)	Geographical number for fixed telephony services	Area Code for Homabay and Migori
60 (NDC)	Nine (9)	Seven (7)	Geographical number for fixed telephony services	Area Code for Muranga and Kirinyaga
61 (NDC)	Nine (9)	Seven (7)	Geographical number for fixed telephony services	Area Code for Nyeri region
62 (NDC)	Nine (9)	Nine (9)	Geographical number for fixed telephony services	Area Code for Nanyuki region of Laikipia
64 (NDC)	Nine (9)	Seven	Geographical number for fixed telephony services	Area Code for Meru, Maua and Chuka regions
66 (NDC)	Nine (9)	Eight (8)	Geographical number for fixed telephony services	Area Code for Thika and Ruiru
67 (NDC)	Nine (9)	Seven (7)	Geographical number for fixed telephony services	Area Code for Kiambu and Kikuyu towns
68 (NDC)	Nine (9)	Nine (9)	Geographical number for fixed telephony services	Area Code for Embu region
69 (NDC)	Nine (9)	Seven (7)	Geographical number for fixed telephony services	Area Code for Marsabit and Moyale

(1)	(2)		(3)	(4)
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		
700 to 709 (NDC) 710 to 719 (NDC) 720 to 729 (NDC)	Nine (9)	Nine (9)	Non Geographical number for mobile telephony services	Mobile Telephony Services assigned to Safaricom Ltd
730 to 739 (NDC)	Nine (9)	Nine (9)	Non Geographical number for mobile telephony services	Mobile Telephony Services assigned to Airtel Networks Kenya Ltd
744 (NDC)	Nine (9)	Nine (9)	Non Geographical number for mobile telephony services	Mobile Telephony Services assigned to Homelands Media Ltd
750 to 756 (NDC)	Nine (9)	Nine (9)	Non Geographical number for mobile telephony services	Mobile Telephony Services assigned to Airtel Networks Kenya Ltd
760 (NDC)	Nine (9)	Nine (9)	Non Geographical number for mobile telephony services	Mobile Telephony Services assigned to Mobile Pay Ltd
763 to 766 (NDC)	Nine (9)	Nine (9)	Non Geographical number for mobile telephony services	Mobile Telephony Services assigned to Finserve Africa Ltd
767 (NDC)	Nine (9)	Nine (9)	Non Geographical number for mobile telephony services	Mobile Telephony Services assigned to Sema Mobile Services Ltd
770 to 777 (NDC)	Nine (9)	Nine (9)	Non Geographical number for mobile telephony services	Mobile Telephony Services assigned to Telkom Kenya Ltd
780 to 782 (NDC)	Nine (9)	Nine (9)	Non Geographical number for mobile telephony services	Mobile Telephony Services assigned to Airtel Networks Kenya Ltd
785 to 789 (NDC)	Nine (9)	Nine (9)	Non Geographical number for mobile telephony services	Mobile Telephony Services assigned to Airtel Networks Kenya Ltd
790 to 797 (NDC)	Nine (9)	Nine (9)	Non Geographical number for mobile telephony services	Mobile Telephony Services assigned to Safaricom Ltd



**Description of implementation of number portability of ITU-T E.164 numbers in the NNP**

<b>Country: Kenya (Country Code 254)</b>			
	<b>Geographic numbers</b>	<b>Non-geographic numbers other than mobile numbers (e.g., premium rate services, freephone services, nomadic services)</b>	<b>Mobile numbers</b>
State of NP	Not Implemented	Not Implemented	Implemented since April 2011
Regulatory obligation for operators to implement NP?	Yes	Yes	Yes
Type of NP implementation	Not Applicable	Not Applicable	Recipient Led, Centralized Reference Database approach for Mobile Numbers
Limitations	Not Applicable	Not Applicable	Limited only to Mobile Number Portability
Specifications available on website	<a href="http://www.ca.go.ke">www.ca.go.ke</a>	<a href="http://www.ca.go.ke">www.ca.go.ke</a>	<a href="http://www.ca.go.ke">www.ca.go.ke</a>
Contact information for national Administration/NPA	Communications Authority of Kenya, Numbering Section Tel +254 20 4242000 Mobile: +254 722724714 email : <a href="mailto:info@ca.go.ke">info@ca.go.ke</a> <a href="mailto:lcs@ca.go.ke">lcs@ca.go.ke</a>	Communications Authority of Kenya, Numbering Unit Tel +254 20 4242000 Mobile: +254 722724714 e-mail: <a href="mailto:info@ca.go.ke">info@ca.go.ke</a> <a href="mailto:lcs@ca.go.ke">lcs@ca.go.ke</a>	Communications Authority of Kenya, Numbering Unit Tel +254 20 4242000 Mobile: +254 722724714 e-mail: <a href="mailto:info@ca.go.ke">info@ca.go.ke</a> <a href="mailto:lcs@ca.go.ke">lcs@ca.go.ke</a>
Central reference database (if any) managed/operated by	Not Applicable	Not Applicable	Centralized Reference Database operated by a Licensed Vendor, Porting Access Kenya Ltd. <a href="http://www.portingxs.com">http://www.portingxs.com</a>

**Presentation of important numbers related to emergency services and other services of social value**

Country: Kenya				
(1)	(2)	(3)	(4)	(5)
Important Number	Service	Allocated or Assigned	ITU-T E.164 number or national- only number	Note
112	Emergency Service	Allocated to operators/service providers in the National Numbering Plan (NNP)	National-only number	112 covers the All emergency services including, but not limited to: <ul style="list-style-type: none"> <li>• Police reporting</li> <li>• Fire and Rescue Services</li> <li>• Ambulance services</li> <li>• Disease outbreak reporting and rescue service</li> <li>• Maritime search and rescue services</li> <li>• Terrorism</li> </ul>
999	Emergency Service	Allocated to operators/service providers in the National Numbering Plan (NNP)	National-only number	Runs in Parallel with 112
116	Child help-line	Allocated for protection and helpline foe children	National-only number	Run by child helpline Kenya in conjunction with the government children department
107	Peace Building And Conflict Early Warning And Response System	Administration Police Service for Peace Building And Conflict Early Warning And Response System	National-only number	Service Operated by the National Police Service
108	peace building and conflict management	National Steering committee response Centre on peace building and conflict management	National-only number	Operated by the National Steering committee response Centre on peace building and conflict management
109	Coordination of National Emergency responses	National Emergency Response Centre	National-only number	Operated by the National Emergency Response Centre
110	Emergency Response services for Lake Victoria, Indian Ocean and other water bodies.	Emergency Response services for Lake Victoria, Indian Ocean and other water bodies.	National-only number	To be terminated at the Lake Victoria Basin Commission (LVBC) in Mwanza-Tanzania and at the Kenya Maritime Authority for facilitating Emergency Rescue Services in Lake Victoria, Indian Ocean and other water bodies.
115	For Corruption reporting Short Code	For Corruption reporting Short Code	National-only number	Operated by the National Government
1919	Public access to government Services	Public access to government Services	National-only number	Government services
1190	Helpline for Victims and those affected by HIV/AIDS	Assigned for use by Liverpool VCT Centre.	National-only number	Liverpool VCT Centre in collaboration with health ministry of the national government

Country: Kenya				
(1)	(2)	(3)	(4)	(5)
Important Number	Service	Allocated or Assigned	ITU-T E.164 number or national-only number	Note
1191	Public Health for emergency health preparedness	Public Health for emergency health preparedness	National-only number	Ministry responsible for Health and Sanitation in the national government
1192	Helpline for victims of Alcohol and Drug abuse	Assigned for use by the National Authority For The Campaign Against Alcohol And Drug Abuse (NACADA)	National-only number	NACADA Authority
1193	Helpline for victims of Women Violence	Assigned for use by Kimbilio Trust	National-only number	Kimbilio Trust in conjunction with national government
1194	Child Welfare	Assigned for use by the Child Welfare Society of Kenya	National-only number	Child Welfare Society of Kenya in collaboration with the national government
1195	Helpline for victims of Gender Based Violence	Assigned for use by HealthCare Assistance Kenya (HAK)	National-only number	HealthCare Assistance Kenya (HAK) in collaboration with the national government
1197	Emergency responses	Assigned for use by G4S Security services	National-only number	G4S Security Services Kenya Limited public reporting/ helpline on security, safety, disaster mitigation and general emergency responses
1199	Emergency responses	To emergency response services done by the Kenya Red Cross	National-only number	To support emergency response services done by the Kenya Red Cross

Contact:

Mr Peter Nyongesa  
 Communications Authority of Kenya  
 Waiyaki Way, Nairobi.  
 P.O. Box 14448  
 NAIROBI 00800  
 Kenya  
 Tel: +254 20 4242000/+254 703 042000  
 Fax: No Fax  
 E-mail: nyongesa@ca.go.ke; info@ca.go.ke  
 URL: www.ca.go.ke

**Morocco (country code +212)**

Communication of 18.VII.2016:

The *Agence Nationale de Réglementation des Télécommunications (ANRT)*, Rabat, announces the following update to the national numbering plan of the Kingdom of Morocco.

In March 2009, a new ten-digit numbering plan was established and the prefix "+212 (06)" was allocated for the operation of mobile networks.

In view of the current use of numbers allocated to mobile networks, it has been decided to open a new prefix, "+212 (07)", for use of mobile networks, **as of 7 August 2016**.

Contact:

Agence Nationale de Réglementation des Télécommunications (ANRT)

Centre d'affaires

Boulevard Ar-Riad, Hay Riad

B.P. 2939

RABAT 10100

Morocco

Tel: +212 537718400

Fax: +212 537203862

URL: [www.anrt.ma](http://www.anrt.ma)

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

Edition of 2015

(Amendment No. 1)\*

### J Japan

Notes CS1 to CS7 LIR

**Notes concerning "Systems in the maritime mobile-satellite service that provide a public correspondence service" \***

**CS1** Land earth station operated by KDDI Corporation, Japan, as part of the Inmarsat system covering the Pacific and Indian Ocean regions.

### CS2 Inmarsat-B

Charges applicable in the maritime mobile-satellite service via YAMAGUCHI land earth station covering the AORE, AORW, POR and IOR regions.

- |  | Telephone                     |
|--|-------------------------------|
|  | SDR                           |
|  | International direct dialling |
|  | Each 6 seconds                |
| 1. Ship-to-shore   |                               |
| a) Peak hours  |                               |
| – POR: 0300 – 1900 h UTC   |                               |
| – IOR: 0300 – 1900 h UTC   |                               |
| – AORE: 0600 – 2200 h UTC  |                               |
| – AORW: 0700 – 2300 h UTC  |                               |
| i) J, HKG, KOR, Taiwan (Province of China), PHL, SNG .....   | 0.21                          |
| ii) ALS, AUS, BEL, CAN, CHN, CNR, CYP, D, E, F, G, GRC, GUM, HOL, HWA, I, IND, MEX, NOR, NZL, RUS, S, Saipan, SUI, USA ... | 0.24                          |
| iii) Other countries.....  | 0.31                          |

(continued)

\* All the notes in List IV are published exclusively in English. Therefore, this amendment is presented only in English.

(cont.)

		Telephone
		SDR
		International direct dialling
		Each 6 seconds
b) Off-peak hours		
– POR: 1900 – 0300 h UTC		
– IOR: 1900 – 0300 h UTC		
– AORE: 2200 – 0600 h UTC		
– AORW: 2300 – 0700 h UTC		
i)	J, HKG, KOR, Taiwan (Province of China), PHL, SNG .....	0.14
ii)	ALS, AUS, BEL, CAN, CHN, CNR, CYP, D, E, F, G, GRC, GUM, HOL, HWA, I, IND, MEX, NOR, NZL, RUS, S, Saipan, SUI, USA ...	0.20
iii)	Other countries.....	0.20
2. Ship-to-ship		
a) Peak hours		
– POR: 0300 – 1900 h UTC		
– IOR: 0300 – 1900 h UTC		
– AORE: 0600 – 2200 h UTC		
– AORW: 0700 – 2300 h UTC		
i)	Inmarsat-B.....	0.43
ii)	Inmarsat-Mini-M / Fleet.....	0.36
iii)	Inmarsat-C.....	–
b) Off-peak hours		
– POR: 1900 – 0300 h UTC		
– IOR: 1900 – 0300 h UTC		
– AORE: 2200 – 0600 h UTC		
– AORW: 2300 – 0700 h UTC		
i)	Inmarsat-B.....	0.36
ii)	Inmarsat-Mini-M / Fleet.....	0.28
iii)	Inmarsat-C.....	–

		Telex
		SDR
		Automatic operation
		Every minute
1. Ship-to-shore		
i)	Japan.....	2.60
ii)	Asia, America and Oceania .....	4.91
iii)	Europe .....	6.44
iv)	Africa .....	6.74
2. Ship-to-ship		
i)	Inmarsat-B .....	5.20
ii)	Inmarsat-C .....	4.82

### CS3 Inmarsat-C

Charges applicable in the maritime mobile-satellite service via YAMAGUCHI land earth station covering the AORE, AORW POR and IOR regions.

1. Ship-to-shore calls
  - a) Charges for calls from ship to Japan.
    - Facsimile: 0.15 SDR/256 bits.
    - Telex: 0.15 SDR/256 bits.
    - Call confirmation (positive delivery notification): 0.17 SDR/message.
    - Message status: 0.17 SDR/message.
    - Call confirmation (non-delivery notification): free.
  - b) Charges for calls from ship to other countries.
    - Facsimile: 0.17 SDR/256 bits.
    - Telex: 0.37 SDR/256 bits.
    - Call confirmation (positive delivery notification): 0.17 SDR/message.
    - Message status: 0.17 SDR/message.
    - Call confirmation (non-delivery notification): free.
  - c) Charges for calls from ship to the internet.
    - Single address: 0.13 SDR/256 bits.
    - Multi-address: 0.07 SDR/256 bits (for every address).
    - Call confirmation (positive delivery notification): free.
    - Call confirmation (non-delivery notification): free.
2. Ship-to-ship calls
  - a) Charges for calls from ship to Inmarsat-B.
    - Facsimile: 0.20 SDR/256 bits.
    - Telex: 0.36 SDR/256 bits.
  - b) Charges for calls from ship to Inmarsat-Mini-M.
    - Facsimile: 0.19 SDR/256 bits.
  - c) Charges for calls from ship to Inmarsat-C.
    - Telex: 0.17 SDR/256 bits.
    - Data: 0.17 SDR/256 bits.
  - d) Call confirmation (positive delivery notification): 0.17 SDR/message.
  - e) Message status: 0.17 SDR/message.
  - f) Call confirmation (non-delivery notification): free.

### CS4 Inmarsat HSD (High Speed Data Transmission)

Charges applicable in the maritime mobile-satellite service via YAMAGUCHI land earth station covering the AORE, AORW, POR and IOR regions.



	SDR		
	Direct dialling (every 6 seconds)		
	From Inmarsat-B (HSD)	From Inmarsat-Fleet (HSD)	From Inmarsat-Fleet (HSD) 128 kbps Mode
a) HKG, J, KOR, PHL, SNG, Taiwan (Province of China) .....	0.57	0.80	1.37
b) AUS, BEL, CAN, CHN, CNR, CVA, D, E, F, G, GRC, HOL, HWA, I, IND, NOR, NZL, RUS, S, SUI, USA (except ALS) .....	0.61	0.85	1.45
c) AFS, AND, ARG, AUT, B, BHR, CHL, CLN, CZE, DNK, FIN, INS, IRL, ISR, LIE, LUX, MAC, MCO, MLA, POL, POR, PRU, SMR, THA, UAE, VTN .....	0.71	1.00	1.69
d) Inmarsat-B (HSD) .....	1.15	1.38	–
e) Inmarsat-Fleet (HSD) .....	1.07	1.60	2.74

**CS5 Inmarsat-Mini-M**

Charges applicable in the maritime mobile-satellite service via YAMAGUCHI land earth station covering the AORE, AORW, POR and IOR regions.

	SDR
	International direct dialling
	Each 6 seconds
1. Ship-to-shore	
a) Peak hours	
– POR: 0300 – 1900 h UTC	
– IOR: 0300 – 1900 h UTC	
– AORE: 0600 – 2200 h UTC	
– AORW: 0700 – 2300 h UTC	
i) J, HKG, KOR, Taiwan (Province of China), PHL, SNG .....	0.14
ii) ALS, AUS, BEL, CAN, CHN, CNR, CYP, D, E, F, G, GRC, GUM, HOL, HWA, I, IND, MEX, MRA, NOR, NZL, RUS, S, SUI, USA .....	0.17
iii) Other countries .....	0.23
b) Off-peak hours	
– POR: 1900 – 0300 h UTC	
– IOR: 1900 – 0300 h UTC	
– AORE: 2200 – 0600 h UTC	
– AORW: 2300 – 0700 h UTC	
i) J, HKG, KOR, Taiwan (Province of China), PHL, SNG .....	0.11
ii) ALS, AUS, BEL, CAN, CHN, CNR, CYP, D, E, F, G, GRC, GUM, HOL, HWA, I, IND, MEX, MRA, NOR, NZL, RUS, S, SUI, USA .....	0.14
iii) Other countries .....	0.14

(continued)

(cont.)

2. Ship-to-ship

a) Peak hours

- POR: 0300 – 1900 h UTC
- IOR: 0300 – 1900 h UTC
- AORE: 0600 – 2200 h UTC
- AORW: 0700 – 2300 h UTC

- i) Inmarsat-B..... 0.36
- ii) Inmarsat-Mini-M / Fleet..... 0.28
- iii) Inmarsat-C..... -

b) Off-peak hours

- POR: 1900 – 0300 h UTC
- IOR: 1900 – 0300 h UTC
- AORE: 2200 – 0600 h UTC
- AORW: 2300 – 0700 h UTC

- i) Inmarsat-B..... 0.33
- ii) Inmarsat-Mini-M / Fleet..... 0.26
- iii) Inmarsat-C..... -

<b>SDR</b>	
<b>International direct dialling</b>	
<b>Each 6 seconds</b>	

**CS6 Inmarsat-Fleet**

Charges applicable in the maritime mobile-satellite service via YAMAGUCHI land earth station covering the AORE, AORW, POR and IOR regions.

1. Ship-to-shore

a) Peak hours

- POR: 0300 – 1900 h UTC
- IOR: 0300 – 1900 h UTC
- AORE: 0600 – 2200 h UTC
- AORW: 0700 – 2300 h UTC

- i) J, HKG, KOR, Taiwan (Province of China), PHL, SNG ..... 0.20
- ii) ALS, AUS, BEL, CAN, CHN, CNR, CYP, D, E, F, G, GRC, GUM, HOL, HWA, I, IND, MEX, MRA, NOR, NZL, RUS, S, SUI, USA ..... 0.23
- iii) Other countries..... 0.30

b) Off-peak hours

- POR: 1900 – 0300 h UTC
- IOR: 1900 – 0300 h UTC
- AORE: 2200 – 0600 h UTC
- AORW: 2300 – 0700 h UTC

- i) J, HKG, KOR, Taiwan (Province of China), PHL, SNG ..... 0.14
- ii) ALS, AUS, BEL, CAN, CHN, CNR, CYP, D, E, F, G, GRC, GUM, HOL, HWA, I, IND, MEX, MRA, NOR, NZL, RUS, S, SUI, USA ..... 0.20
- iii) Other countries..... 0.20

(continued)

<b>Telephone</b>	
<b>SDR</b>	
<b>International direct dialling</b>	
<b>Each 6 seconds</b>	

(cont.)

2. Ship-to-ship

a) Peak hours

- POR: 0300 – 1900 h UTC
- IOR: 0300 – 1900 h UTC
- AORE: 0600 – 2200 h UTC
- AORW: 0700 – 2300 h UTC

- i) Inmarsat-B..... 0.36
- ii) Inmarsat-Mini-M / Fleet..... 0.28
- iii) Inmarsat-C..... -

b) Off-peak hours

- POR: 1900 – 0300 h UTC
- IOR: 1900 – 0300 h UTC
- AORE: 2200 – 0600 h UTC
- AORW: 2300 – 0700 h UTC

- i) Inmarsat-B..... 0.33
- ii) Inmarsat-Mini-M / Fleet..... 0.26
- iii) Inmarsat-C..... -

Telephone
SDR
International direct dialling
Each 6 seconds
0.36
0.28
-
0.33
0.26
-

**CS7 Inmarsat-MPDS (Mobile Packet Data Service)**

Charges applicable in the maritime mobile-satellite service via YAMAGUCHI land earth station covering the AORE, AORW, POR and IOR regions.

To Internet.....

SDR
Direct dialling (every 10 kbit/s)
From Inmarsat-Fleet (HSD)
0.04

**List of Ship Stations and Maritime Mobile  
Service Identity Assignments  
(List V)  
Edition of 2016**

**Section VI**

**REP**

**BE02** MARLINK S.A., Rue de Stalle 140, 1180 Uccle, Belgium.  
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*Contact Person: Tilmann Michalke, Tel.: +49 (0) 221 99591 532*

**GB06** SIRM UK Lambda House, Christopher Martin Road, Basildon,  
Essex SS14 3EL, United Kingdom.  
Tel.: +44 1268 823923, +44 1268 823924, +44 1268 823925, +44 1268 823927,  
E-Mail: [john.tabor@sirm.co.uk](mailto:john.tabor@sirm.co.uk), [lisa.cornell@sirm.co.uk](mailto:lisa.cornell@sirm.co.uk), [nigel.bond@sirm.co.uk](mailto:nigel.bond@sirm.co.uk),  
[norman.day@sirm.co.uk](mailto:norman.day@sirm.co.uk)  
*Contact Persons: Nigel Bond, Lisa Cornell, John Taylor, Norman Day*

**GB08** SIRM UK Lambda House, Christopher Martin Road, Basildon,  
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[norman.day@sirm.co.uk](mailto:norman.day@sirm.co.uk)  
*Contact Persons: Nigel Bond, Lisa Cornell, John Taylor, Norman Day*

**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. 16)

<i>Country/Geographical area</i>	<i>MCC+MNC *</i>	<i>Operator/Network</i>
<b>Denmark</b> <b>ADD</b>		
	238 42	Brandtel ApS
<b>Sweden</b> <b>ADD</b>		
	240 60	Telefonaktiebolaget LM Ericsson (MNC assigned for test purpose. Temporary license until 2018-12-31)

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- \*    MCC: Mobile Country Code / Indicatif de pays du mobile / Indicativo de país para el servicio móvil  
       MNC: Mobile Network Code / Code de réseau mobile / Indicativo de red para el servicio móvil

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

(Annex to ITU Operational Bulletin No. 1066 – 15.XII.2014)  
(Amendment No. 17)

**Numerical order    ADD**

5-217        Bulgaria (Republic of)

**Alphabetical order    ADD**

5-217        Bulgaria (Republic of)

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

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

(Annex to ITU Operational Bulletin No. 1067 – 1.I.2015)  
(Amendment No. 37)

*Country/  
Geographical Area*

<i>ISPC</i>	<i>DEC</i>	<i>Unique name of the signalling point</i>	<i>Name of the signalling point operator</i>
<b>Belize ADD</b>			
7-004-3	14371	Belmopan Huawei HSS	Belize Telemedia Limited (formerly Belize Telecommunications Ltd.)
7-004-4	14372	Nortel GSP	Belize Telemedia Limited (formerly Belize Telecommunications Ltd.)
7-004-5	14373	Genband STP	Belize Telemedia Limited (formerly Belize Telecommunications Ltd.)
<b>Belize LIR</b>			
7-004-0	14368	Orange Walk Huawei HSS	Belize Telemedia Limited (formerly Belize Telecommunications Ltd.)
7-004-1	14369	Orange Walk Huawei DRA/STP	Belize Telemedia Limited (formerly Belize Telecommunications Ltd.)
7-004-2	14370	Belmopan Huawei DRA/STP	Belize Telemedia Limited (formerly Belize Telecommunications Ltd.)
<b>Bulgaria ADD</b>			
3-231-5	7997	STPG1	Telenor Bulgaria
3-231-6	7998	STPG2	Telenor Bulgaria
3-231-7	7999	PREMIUM	Premium Net International
6-239-3	14203	NETFINITY2	Netfinity
7-221-0	16104	GSM3INT3	Bulgarian Telecommunication Company
7-221-1	16105	RTLCOM	Rutelcom
7-221-2	16106	MAX1	Max Telecom
7-221-3	16107	MAX2	Max Telecom
7-221-4	16108	BSCM-I-1	Bulsatcom
<b>Bulgaria LIR</b>			
2-168-3	5443	ORBG	Mobiltel
2-168-5	5445	GMSC1	Telenor Bulgaria
6-247-2	14266	GMSC2	Telenor Bulgaria
<b>Finland ADD</b>			
2-089-5	4813	MSCSLA5	DNA Oy
2-254-7	6135	MSCSHE6	DNA Oy
2-255-3	6139	MGLAH05	DNA Oy
2-255-5	6141	MGHEL06	DNA Oy

<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>Hungary LIR</b>			
2-032-5	4357	VTH-DUN-TE	Invitech Solutions
2-032-6	4358	BudapestPTL01	Invitech Solutions
6-251-6	14302	INV-SZM-TP	Invitech Solutions
<b>Malaysia SUP</b>			
5-003-5	10269		Baraka Telecom Sdn Bhd
5-005-4	10284	XINTELISW	Xintel Sdn Bhd
5-005-5	10285	TELSHINE IGW1	Telshine Sdn Bhd
5-007-2	10298	Johor Bharu DTS	Telekom Malaysia Berhad
5-007-5	10301	Kota Kinabatu DTS	Telekom Malaysia Berhad
5-007-6	10302	Stampin DTS	Telekom Malaysia Berhad
5-007-7	10303	Miri DTS	Telekom Malaysia Berhad
5-008-1	10305	Bandar Tun Razak DTS	Telekom Malaysia Berhad
5-008-2	10306	Raja Chulan DTS	Telekom Malaysia Berhad
5-008-3	10307	Teruntum DTS	Telekom Malaysia Berhad
5-008-5	10309	Penampang DTS	Telekom Malaysia Berhad
5-008-6	10310	Penang DTS	Telekom Malaysia Berhad
5-008-7	10311	Alor Setar DTS	Telekom Malaysia Berhad
<b>Malaysia ADD</b>			
5-001-0	10248	IGW 4	Maxis Broadband Sdn Bhd
5-002-0	10256	STZSH1	Digi Telecommunications Sdn Bhd
5-002-1	10257	STZSK1	Digi Telecommunications Sdn Bhd
5-002-2	10258	ISZSH1	Digi Telecommunications Sdn Bhd
5-002-3	10259	ISZSK1	Digi Telecommunications Sdn Bhd
5-002-4	10260	P1KLJISTP01	Webe Digital Sdn Bhd
5-002-5	10261	P1JRCISTP01	Webe Digital Sdn Bhd
5-002-6	10262	CBYSTP01	Altel Communications Sdn Bhd
5-002-7	10263	CBYMSC01	Altel Communications Sdn Bhd
5-003-6	10270	IGHTB	U Mobile Sdn Bhd
5-003-7	10271	REDtone ISC AIMS-MY	Redtone Marketing Sdn Bhd
<b>Malaysia LIR</b>			
5-003-4	10268	SGSWA	YTL Communication Sdn Bhd
5-004-6	10278	CEL IGWSHT	Celcom Axiata Berhad
5-004-7	10279	CEL IGWKPG	Celcom Axiata Berhad
5-005-0	10280	KT1	Digi Telecommunications Sdn Bhd
5-005-1	10281	FINLA	Maxis Broadband Sdn Bhd
5-005-2	10282	IGWYSHT01	Maxis Broadband Sdn Bhd
5-005-3	10283	IGWYKPG01	Maxis Broadband Sdn Bhd
5-005-6	10286	DTI	Digi Telecommunications Sdn Bhd
5-005-7	10287	MTI	Digi Telecommunications Sdn Bhd
5-006-0	10288	STI	Digi Telecommunications Sdn Bhd
5-006-1	10289	DTI2	Digi Telecommunications Sdn Bhd



<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>		
5-009-0	10312	CEL IGWSAL1	Celcom Axiata Berhad
5-009-1	10313	CEL IGWKPG2	Celcom Axiata Berhad

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

**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. 30)

<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</b>	<b>ADD</b>	
Arche Netvision GmbH Bismarckstrasse 141 26384 WILHELMSHAVEN	<b>ARCHE1</b>	Mr Thomas Weisser Tel: +49 4421 1504 217 Fax: +49 4421 1504 222 E-mail: t.weisser@arche.net
Stadtwerke Ahrensburg GmbH Manfred-Samusch-Strasse 5 22926 AHRENSBURG	<b>SWATEL</b>	Mr Lars Seckler Tel: +49 4102 997 426 Fax: +49 4102 997 410 E-mail: l.seckler@stadtwerke-ahrensburg.de
Stadtwerke Eutin GmbH Holstenstrasse 6 23701 EUTIN	<b>SWEUDI</b>	Mr Thorsten Rischmann Tel: +49 4521 705 388 Fax: +49 4521 705 55388 E-mail: rischmann@stadtwerke-eutin.de
Wolff Ehrhardt - Funknetz HG - Eppsteiner Strasse 2 b 61440 OBERURSEL	<b>FUNKHG</b>	Mr Wolff Ehrhardt Tel: +49 6172 8039917 Fax: +49 6172 8039913 E-mail: wolff@funknetz-hg.de