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1085	1.X.2015	17.IX.2015
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1087	1.XI.2015	19.X.2015
1088	15.XI.2015	2.XI.2015
1089	1.XII.2015	17.XI.2015
1090	15.XII.2015	1.XII.2015

GENERAL INFORMATION

Lists annexed to the ITU Operational Bulletin

Note from TSB

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

- 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)
- 1056 Mobile Network Codes (MNC) for the international identification plan for public networks and subscriptions (According to ITU-T Recommendation E.212 (05/2008)) (Position on 15 July 2014)
- 1055 Status of Radiocommunications between Amateur Stations of Different Countries (In accordance with optional provision No. 25.1 of the Radio Regulations) and Form of Call Signs assigned by each Administration to its Amateur and Experimental Stations (Position on 1 July 2014)
- 1040 List of Issuer Identifier Numbers for the International Telecommunication Charge Card (In accordance with ITU-T Recommendation E.118 (05/2006)) (Position on 15 November 2013)
- 1015 Access codes/numbers for mobile networks (According to ITU-T Recommendation E.164 (11/2010)) (Position on 1 November 2012)
- 1005 List of mobile country or geographical area codes (Complement to ITU-T Recommendation E.212 (05/2008)) (Position on 1 June 2012).
- 1002 List of Country or Geographical Area Codes for non-standard facilities in telematic services (Complement to ITU-T Recommendation T.35 (02/2000)) (Position on 15 April 2012)
- 1001 List of the national authorities designated to assign ITU-T Recommendation T.35 terminal provider codes (Position on 1 April 2012)
- 1000 Service Restrictions (Recapitulatory list of service restrictions in force relating to telecommunications operation) (Position on 15 March 2012)
- 994 Dialling Procedures (International prefix, national (trunk) prefix and national (significant) number) (In accordance with ITU-T Recommendation E.164 (11/2010)) (Position on 15 December 2011)
- 991 List of ITU-T Recommendation E.164 assigned country codes (Complement to ITU-T Recommendation E.164 (11/2010)) (Position on 1 November 2011)
- 991 Call-Back and alternative calling procedures (Res. 21.PP-2006)
- 980 List of Telegram Destination Indicators (In accordance with ITU-T Recommendation F.32 (10/1995)) (Position on 15 May 2011)
- 978 List of Telex Destination Codes (TDC) and Telex Network Identification Codes (TNIC) (Complement to ITU-T Recommendations F.69 (06/1994) and F.68 (11/1988)) (Position on 15 April 2011)
- 977 List of Data Network Identification Codes (DNIC) (According to ITU-T Recommendation X.121 (10/2000))
- 976 List of Data Country or Geographical Area Codes (Complement to ITU-T Recommendation X.121 (10/2000)) (Position on 15 March 2011)
- 974 List of Names of Administration Management Domains (ADMD) (In accordance with ITU-T F.400 and X.400 series Recommendations) (Position on 15 February 2011)
- 972 List of terrestrial trunk radio mobile country codes (Complement to ITU-T Recommendation E.218 (05/2004)) (Position on 15 January 2011)
- 955 Various tones used in national networks (According to ITU-T Recommendation E.180 (03/98)) (Position on 1 May 2010)
- 669 Five-letter Code Groups for the use of the International Public Telegram Service (According to ITU-T Recommendation F.1 (03/1998))

B. The following Lists are available online from the ITU-T website:

List of ITU Carrier Codes (ITU-T Rec. M.1400 (03/2013))	www.itu.int/ITU-T/inr/icc/index.html
Bureaufax Table (ITU-T Rec. F.170)	www.itu.int/ITU-T/inr/bureaufax/index.html
List of recognized operating agencies (ROAs)	www.itu.int/ITU-T/inr/roa/index.html

Approval of ITU-T Recommendations

By AAP-63, it was announced that the following ITU-T Recommendations were approved, in accordance with the procedures outlined in Recommendation ITU-T A.8:

- ITU-T G.650.2 (08/2015): Definitions and test methods for statistical and non-linear related attributes of single-mode fibre and cable
- ITU-T G.798 (2012) Cor.1 (08/2015): Characteristics of optical transport network hierarchy equipment functional blocks
- ITU-T G.824 (2000) Cor.1 (08/2015): The control of jitter and wander within digital networks which are based on the 1544 kbit/s hierarchy
- ITU-T G.873.2 (08/2015): ODUk shared ring protection
- ITU-T G.874 (2013) Amd.1 (08/2015): Management aspects of optical transport network elements
- ITU-T G.874.1 (2012) Amd.2 (08/2015): Optical transport network: Protocol-neutral management information model for the network element view
- ITU-T G.989.1 (2013) Amd.1 (08/2015): 40-Gigabit-capable passive optical networks (NG-PON2): General requirements
- ITU-T G.7711/Y.1702 (08/2015)
- ITU-T G.8013/Y.1731 (08/2015): OAM functions and mechanisms for Ethernet based networks
- ITU-T G.8021/Y.1341 (2015) Cor.1 (08/2015): Characteristics of Ethernet transport network equipment functional blocks
- ITU-T G.8032/Y.1344 (08/2015): Ethernet ring protection switching
- ITU-T G.8051/Y.1345 (08/2015): Management aspects of the Ethernet Transport (ET) capable network element
- ITU-T G.8112/Y.1371 (08/2015): Interfaces for the MPLS Transport Profile layer network
- ITU-T G.8113.2/Y.1372.2 (08/2015): Operations, administration and maintenance mechanisms for MPLS-TP networks using the tools defined for MPLS
- ITU-T G.8260 (08/2015): Definitions and terminology for synchronization in packet networks
- ITU-T G.8273/Y.1368 (2013) Amd.2 (08/2015): Framework of phase and time clocks
- ITU-T G.8273.2/Y.1368.2 (2014) Amd.2 (08/2015): Timing characteristics of telecom boundary clocks and telecom time slave clocks
- ITU-T G.9802 (2015) Amd.1 (08/2015): Multiple-wavelength passive optical networks (MW-PONs)
- ITU-T G.9903 (2014) Amd.1 (08/2015): Narrowband orthogonal frequency division multiplexing power line communication transceivers for G3-PLC networks
- ITU-T J.230 (08/2015): Requirements for platform functionalities on the integration of cable STB and mobile second screen devices
- ITU-T J.1004 (08/2015): Specifications of authorization centre interfaces for renewable conditional access system
- ITU-T J.1005 (08/2015): Architecture and requirement of DRM for cable television multiscreen
- ITU-T J.1102 (08/2015): Interface Specifications for IP-based switched digital video using DOCSIS
- ITU-T J.1103 (08/2015): Transmission specification for IP-based switched digital video using Data Over Cable Service Interface Specifications
- ITU-T L.10 (08/2015): Optical fibre cables for duct and tunnel application
- ITU-T L.26 (08/2015): Optical fibre cables for aerial application
- ITU-T L.43 (08/2015): Optical fibre cables for buried application
- ITU-T X.680 (08/2015): Information technology – Abstract Syntax Notation One (ASN.1): Specification of basic notation

- ITU-T X.681 (08/2015): Information technology – Abstract Syntax Notation One (ASN.1): Information object specification
- ITU-T X.682 (08/2015): Information technology – Abstract Syntax Notation One (ASN.1): Constraint specification
- ITU-T X.683 (08/2015): Information technology – Abstract Syntax Notation One (ASN.1): Parameterization of ASN.1 specifications
- ITU-T X.690 (08/2015): Information technology – ASN.1 encoding rules: Specification of Basic Encoding Rules (BER), Canonical Encoding Rules (CER) and Distinguished Encoding Rules (DER)
- ITU-T X.691 (08/2015): Information technology – ASN.1 encoding rules: Specification of Packed Encoding Rules (PER)
- ITU-T X.692 (08/2015): Information technology – ASN.1 encoding rules: Specification of Encoding Control Notation (ECN)
- ITU-T X.693 (08/2015): Information technology – ASN.1 encoding rules: XML Encoding Rules (XER)
- ITU-T X.694 (08/2015): Information technology – ASN.1 encoding rules: Mapping W3C XML schema definitions into ASN.1
- ITU-T X.695 (08/2015): Information technology – ASN.1 encoding rules: Registration and application of PER encoding instructions
- ITU-T X.696 (08/2015): Information technology – Specification of Octet Encoding Rules (OER)

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 Cyprus, 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>
Cyprus (Republic of)	5-215

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

Denmark (country code +45)

Communication of 6.VIII.2015:

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

- assignment – M2M-communication

<i>Provider</i>	<i>Numbering series</i>	<i>Date of assignment</i>
Celfon A/S	37100102ijkl	6.VIII.2015

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Iran (Islamic Republic of) (country code +98)

Communication of 8.VIII.2015:

The *Communications Regulatory Authority (CRA)*, Tehran, announces the following updated National Numbering Plan of Iran.

Presentation of the Iran E.164 numbering plan

1 General Information

The E.164 numbering Plan of Iran:

- Country Code: +98
- International Prefix: "00"
- National Prefix: "0"
For national calls, it must be dialed before all telephone numbers except short numbers. It must not be dialed from abroad.
- National destination Code: 2 digits.

2 Detail of Numbering Scheme

- NDC: National Destination Code
- NSN: National Significant Number (NDC + SN)

The minimum number length (excluding the country code) is 5 digits

The maximum number length (excluding the country code) is 10 digits

Numbering Scheme

NDC	NSN Number length		Usage of E.164	Additional Information
	Minimum	Maximum		
11	5	10	Fixed Phone	Area Code (Geographic Number for Fixed telephony Numbers – Mazandaran)
13	5	10	Fixed Phone	Area Code (Geographic Number for Fixed telephony Numbers – Gilan)
17	5	10	Fixed Phone	Area Code (Geographic Number for Fixed telephony Numbers – Golestan)
20	10	10	International VOIP	
21	5	10	Fixed Phone	Area Code (Geographic Number for Fixed telephony Numbers – Tehran)
23	5	10	Fixed Phone	Area Code (Geographic Number for Fixed telephony Numbers – Semnan)
24	5	10	Fixed Phone	Area Code (Geographic Number for Fixed telephony Numbers – Zanjan)
25	5	10	Fixed Phone	Area Code (Geographic Number for Fixed telephony Numbers – Qom)
26	5	10	Fixed Phone	Area Code (Geographic Number for Fixed telephony Numbers – Alborz)
28	5	10	Fixed Phone	Area Code (Geographic Number for Fixed telephony Numbers – Ghazvin)
30	10	10	International VOIP	
31	5	10	Fixed Phone	Area Code (Geographic Number for Fixed telephony Numbers – Isfahan)
34	5	10	Fixed Phone	Area Code (Geographic Number for Fixed telephony Numbers – Kerman)
35	5	10	Fixed Phone	Area Code (Geographic Number for Fixed telephony Numbers – Yazd)
38	5	10	Fixed Phone	Area Code (Geographic Number for Fixed telephony Numbers – Chahar Mahal va Bakhtiari)
40	10	10	International VOIP	
41	5	10	Fixed Phone	Area Code (Geographic Number for Fixed telephony Numbers – East Azarbayjan)
44	5	10	Fixed Phone	Area Code (Geographic Number for Fixed telephony Numbers – West Azarbayjan)
45	5	10	Fixed Phone	Area Code (Geographic Number for Fixed telephony Numbers – Ardabil)
50	10	10	International VOIP	
51	5	10	Fixed Phone	Area Code (Geographic Number for Fixed telephony Numbers – Razavi Khorasan)

NDC	NSN Number length		Usage of E.164	Additional Information
	Minimum	Maximum		
54	5	10	Fixed Phone	Area Code (Geographic Number for Fixed telephony Numbers – Sistan va Balochestan)
56	5	10	Fixed Phone	Area Code (Geographic Number for Fixed telephony Numbers – South Khorasan)
58	5	10	Fixed Phone	Area Code (Geographic Number for Fixed telephony Numbers – North Khorasan)
60	10	10	International VOIP	
61	5	10	Fixed Phone	Area Code (Geographic Number for Fixed telephony Numbers – Khuzestan)
66	5	10	Fixed Phone	Area Code (Geographic Number for Fixed telephony Numbers – Lorestan)
71	5	10	Fixed Phone	Area Code (Geographic Number for Fixed telephony Numbers – Fars)
74	5	10	Fixed Phone	Area Code (Geographic Number for Fixed telephony Numbers – Kohgiluyeh va Boyer-Ahmad)
76	5	10	Fixed Phone	Area Code (Geographic Number for Fixed telephony Numbers – Hormozgan)
77	5	10	Fixed Phone	Area Code (Geographic Number for Fixed telephony Numbers – Bushehr)
81	5	10	Fixed Phone	Area Code (Geographic Number for Fixed telephony Numbers – Hamadan)
83	5	10	Fixed Phone	Area Code (Geographic Number for Fixed telephony Numbers – Kermanshah)
84	5	10	Fixed Phone	Area Code (Geographic Number for Fixed telephony Numbers – Ilam)
86	5	10	Fixed Phone	Area Code (Geographic Number for Fixed telephony Numbers-Markazi)
87	5	10	Fixed Phone	Area Code (Geographic Number for Fixed telephony Numbers-Kurdistan)
901	10	10	Mobile services	IRANCELL
902	10	10	Mobile services	IRANCELL
903	10	10	Mobile services	IRANCELL
91	10	10	Mobile services	MCI
920	10	10	Mobile services	Rightel
921	10	10	Mobile services	Rightel
922	10	10	Mobile services	Rightel
930	10	10	Mobile services	IRANCELL
9313	10	10	Mobile services	

NDC	NSN Number length		Usage of E.164	Additional Information
	Minimum	Maximum		
932	10	10	Mobile services-	Taliya
933	10	10	Mobile services	IRANCELL
934	10	10	Mobile services	Kish
935-9	10	10	Mobile services	IRANCELL
941	10	10	WiMax Phone	
943	10	10	Paging Services	
944	10	10	WiMax Phone	
96	10	10	Services Codes	
990	10	10	Mobile services	MCI
995	10	10	Reserved for MVNO	
996	10	10	Reserved for MVNO	
997	10	10	Reserved for MVNO	
998	10	10	Reserved for MVNO	
999	10	10	Reserved for MVNO	

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Communications Regulatory Authority (CRA)
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Monaco (country code +377)

Communication of 18.VIII.2015:

The *Direction des Communications Electroniques*, Monaco, announces the following changes to its telephone numbering plan:

Table – Description of introduction of new resource for national E.164 numbering plan for country code 377:

(1) <i>NDC (national destination code) or leading digits of N(S)N (national (significant) number)</i>	(2) <i>N(S)N number length</i>		(3) <i>Usage of E.164 number</i>	(4) <i>Time and date of introduction</i>
	<i>Maximum length</i>	<i>Minimum length</i>		
451	8	8	Mobile telecommunications service	
...				

Contact:

Direction des Communications Electroniques
 Division Ressources
 23, avenue Albert II
 98000 MONACO
 Tel: +377 98 98 88 00
 Fax: +377 97 98 56 57
 E-mail: dce@gouv.mc
 URL: www.gouv.mc

Myanmar (country code +95)

Communication of 5.VIII.2015:

The *Ministry of Communications and Information Technology*, Nay Pyi Taw, announces the following additions to the telephone numbering plan of Myanmar:

AUTO EXCHANGE NUMBERING

Sr No.	Trunk Code	Number series	Area	Type of Exchange	Digit Length	Remark
1	2	2000000~2000999	Mingalar Mandalay	ZTE IP Transit	8	
2	56	45xxx	Tandar	KX TDA -600	7	
3	82	320xxx	Manton	TWD-06	8	
4	1	120xxxx	YTP	Huawei-IMF	6	
5	1	122xxxx~129xxxx	YTP	Huawei-IMF	6	
6	1	44xxxxx	YTP	IP Softwitch	7	
7	1	8xxxxxx	Yangon	IP Softwitch	8	

Mobile Numbering

HLR	Country Code	Area code	Numbering	System	Digit Length
Ooredoo Myanmar Limited	95	9	97X-XXX-XXX	GSM	9
			96X-XXX-XXX		
Telenor Myanmar Limited	95	9	79X-XXX-XXX	GSM	9
			78X-XXX-XXX		

Contact:

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Oman (country code +968)

Communication of 18.VIII.2015:

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

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	Minimum		
900XXXXX	8	8	Premium services	Omantel/Ooredoo
901XXXXX to 909XXXXX	8	8	Mobile service	Omantel/Ooredoo
91XXXXXX	8	8	Mobile service	Omantel
92XXXXXX	8	8	Mobile service	Omantel
93XXXXXX	8	8	Mobile service	Omantel
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
99XXXXXX	8	8	Mobile service	Omantel

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	Minimum		
22XXXXXX	8	8	Fixed service	Omantel/Ooredoo
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

Contact:

Mr Mohammed Al-Kindy
 executive Manager, Regulatory & Compliance unit
 Oman Telecommunications Regulatory Authority (TRA)
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 AL-SEEB, 111
 Sultanate of Oman
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 Fax: +968 24222000
 E-mail: ir@tra.gov.om
 URL: www.tra.gov.om

Somalia (country code +252)

Communication of 18.VIII.2015

The *Ministry of Post and Telecommunications*, Mogadishu, announces the following numbering ranges are available in "Somali Telecom Group STG":

<i>Service</i>	<i>Numbering range</i>	<i>Test number</i>
Mobile GSM	92 XXX XXX	+252 92 230 010
Mobile GSM	93 XXX XXX	+252 93 203 010
Mobile GSM	94 XXX XXX	+252 94 703 010
Mobile GSM	95 XXX XXX	+252 95 303 010
Mobile GSM	96 XXX XXX	+252 96 403 010
Mobile GSM	97 XXX XXX	+252 97 803 010
Mobile GSM	98 XXX XXX	+252 98 503 010
Mobile GSM	99 XXX XXX	+252 99 603 010

All administration and Recognized Operating Agencies (ROA) are requested to program their switches to enable access to these number series.

Contact:

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Vanuatu (country code +678)

Communication of 5.VIII.2015:

The *Telecommunications and Radiocommunications Regulator*, Port-Vila, announces the allocation of new mobile number ranges to Digicel Vanuatu Limited and the Updated Vanuatu Number Allocation Schedule:

<i>Service</i>	<i>Numbering range</i>	<i>Operator</i>
Mobile	+678 5 0XX XXX	Digicel Vanuatu Limited
Mobile	+678 5 1XX XXX	Digicel Vanuatu Limited
Mobile	+678 5 2XX XXX	Digicel Vanuatu Limited
Mobile	+678 5 8XX XXX	Digicel Vanuatu Limited

**NUMBER ALLOCATION SCHEDULE FOR COUNTRY CODE 678 (VANUATU)
IN ACCORDANCE WITH THE NATIONAL NUMBERING PLAN AND PROCEDURES**

This Number Allocation Schedule is effective as and from 30 August 2015.

a) Overview.

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

The maximum number length (excluding the country code) is 7 digits.

b) Details of Numbering Scheme:

<i>NDC (National Destination Code) or leading digits of N(S)N (National (Significant) Number)</i>	<i>N(S) number length</i>		<i>Usage of E.164 Number</i>	<i>Additional Information</i>
	<i>Maximum length</i>	<i>Minimum length</i>		
00-07		Invalid		00 – 07 are invalid
080		Invalid		08xxxx are invalid
0811	Six	Six	Toll Free (Telecom Vanuatu Ltd)	0811xx are valid
0812 - 0817		Invalid		0812xx – 0817xx are invalid
0818	Six	Six	Toll Free (Digicel Vanuatu Ltd)	0818xx are valid
0819 - 089		Invalid		0819xx – 089xx are invalid
0900		Invalid	Premium Rate Services	0900xxx are invalid
10		Invalid		10X are invalid
11X	Three	Three	Life & Safety Short Codes	11X are valid
12 - 14	Three	Three	On-Net Short Codes	12x – 14x are valid
15	Three	Three	Off-Net VAS SMS Short Codes	15x are valid
16	Three	Three	Off-Net and Public Information Short Codes	16x are valid
17	Three	Three	On-Net Short Codes	17x are valid
18	Three	Three	Off-Net VAS SMS Short Codes	18x are valid
19	Three	Three	Directory and customer assistance Short Codes	19x are valid
20	Five	Five	Fixed network telephone service (Telecom Vanuatu Ltd)	20xxx are valid
21		Invalid		21xxx are invalid
22-29	Five	Five	Fixed network telephone service (Telecom Vanuatu Ltd)	22xxx-29xxx are valid, SHEFA Province and Port-Vila Areas
30	Five	Five	Non-Geographical (Telecom Vanuatu Ltd)	30xxx are valid

<i>NDC (National Destination Code) or leading digits of N(S)N (National (Significant) Number)</i>	<i>N(S) number length</i>		<i>Usage of E.164 Number</i>	<i>Additional Information</i>
	<i>Maximum length</i>	<i>Minimum length</i>		
31-32		Invalid		31xxx-32xxx are invalid
33	Five	Five	Government Fixed Network (Digicel Vanuatu Ltd)	33xxx are valid
34		Invalid		34xxx are invalid
35	Five	Five	Fixed network telephone service (Digicel Vanuatu Ltd)	35xxx are valid
36	Five	Five	Fixed network telephone service (Telecom Vanuatu Ltd)	36xxx are valid, SANMA Province
37	Five	Five	Fixed network telephone service (Telecom Vanuatu Ltd)	37xxx are valid, Luganville area
380-388	Five	Five	Fixed network telephone service (Telecom Vanuatu Ltd)	380xx-388xx are valid, PENAMA and TORBA Provinces
389		Invalid		389xx are invalid
39		Invalid		39xxx are invalid
40-47		Invalid		40xxx-47xxx are invalid
480-483		Invalid		480xx-483xx are invalid
484-489	Five	Five	Fixed network telephone service (Telecom Vanuatu Ltd)	484xx-489xx are valid, MALAMPA Province
49		Invalid		49xxx are invalid
50-52	Seven	Seven	Cellular mobile service (Digicel Vanuatu Ltd)	50xxxxx-52xxxxx are valid
53-56	Seven	Seven	Cellular mobile service (Digicel Vanuatu Ltd)	53xxxxx-56xxxxx are valid
570-571		Invalid		570xxxx-571xxxx are invalid
572-575	Seven	Seven	Cellular mobile service (Digicel Vanuatu Ltd)	572xxxx-575xxxx are valid
576-579		Invalid		576xxxx-579xxxx are invalid
58	Seven	Seven	Cellular mobile service (Digicel Vanuatu Ltd)	58xxxxx are valid
59	Seven	Seven	Cellular mobile service (Digicel Vanuatu Ltd)	59xxxxx are valid
6		Invalid		All numbers commencing with 6 are invalid

<i>NDC (National Destination Code) or leading digits of N(S)N (National (Significant) Number)</i>	<i>N(S) number length</i>		<i>Usage of E.164 Number</i>	<i>Additional Information</i>
	<i>Maximum length</i>	<i>Minimum length</i>		
70-71	Seven	Seven	Cellular mobile service (Telecom Vanuatu Ltd)	70xxxxx-71xxxxx are valid
72		Invalid		72xxxxx are invalid
73-76	Seven	Seven	Cellular mobile service (Telecom Vanuatu Ltd)	73xxxxx-76xxxxx are valid
77	Seven	Seven	Cellular mobile service (Telecom Vanuatu Ltd)	77xxxxx are valid
78-79		Invalid		78xxxxx – 79xxxxx are invalid
80-87		Invalid		80xxx-87xxx are invalid
88	Five	Five	Fixed network telephone service (Telecom Vanuatu Ltd)	88xxx are valid, TAFEA Province
89		Invalid		89xxx are invalid
9000-9009	Seven	Seven	WanTok	900xxxx are valid
901-989		Invalid		901xxxx – 989xxxx are invalid
99		Invalid		99xxxxx are invalid

Contact:

Mr. Ron Box
 Vanuatu Telecommunications Regulator
 P.O. Box 3547
 PORT-VILA
 Vanuatu
 Tel: +678 27621
 Fax: +678 27440
 E-mail: ronbox@trr.vu; enquiries@trr.vu

Other communication

Austria

Communication of 7.VIII.2015:

On the occasion of the “ARISS SCHOOL CONTACT”, the Austrian Administration authorizes an Austrian amateur station to use the special call sign **OE0ARRIS** from 2 to 22 November 2015.

Service Restrictions

See URL: www.itu.int/pub/T-SP-SR.1-2012

<i>Country/geographical area</i>	<i>OB</i>
Seychelles	1006 (p.13)
Slovakia	1007 (p.12)
Thailand	1034 (p.5)
São Tomé and Príncipe	1039 (p.14)
Uruguay	1039 (p.14)
Hong Kong, China	1068 (p.4)

Call – Back and alternative calling procedures (Res. 21 Rev. PP – 2006)

See URL: www.itu.int/pub/T-SP-PP.RES.21-2011/

AMENDMENTS TO SERVICE PUBLICATIONS

Abbreviations used

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

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

Edition of 2013

(Amendment No. 10)*

SNG Singapore (Republic of)

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

Notes **CS1 to CS17** **LIR**

CS1 Coast earth station operated by the Infocomm Development Authority of Singapore (IDA) as part of the Inmarsat system covering the Pacific, Atlantic and Indian Ocean Regions.

CS2 **Inmarsat-B**

Charges applicable in the maritime mobile-satellite service via SENTOSA and BUKIT TIMAH coast earth stations, including landline charges.

1. Telephone (per blocks of 15 seconds)
 - a) Mobile-to-shore

Band*	SDR/min.		
	Voice		Fax and data
	Peak hours**	Off-peak hours**	
0	2.72	2.13	2.72
1	3.31	2.25	3.31
2	3.61	2.84	3.61

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

b) Mobile-to-mobile

Services	SDR/min		
	Voice		Fax and data
	Peak hours**	Off-peak hours**	
Inmarsat-B to Inmarsat-B	5.56	5.32	5.56
Inmarsat-B to Inmarsat-B (HSD)	14.94	14.17	14.79
Inmarsat-B to Inmarsat-M	5.56	5.32	5.56
Inmarsat-B to Inmarsat-Mini-M/GAN/F77	5.44		5.44
Inmarsat-B to GAN/F77 (ISDN)	9.27	8.24	9.27
Inmarsat-B to Iridium	8.23		8.23
Inmarsat-B to BGAN (ISDN)	10.13	10.13	10.13
Inmarsat-B to FB (ISDN)	10.13	10.13	10.13
Inmarsat-B to BGAN	4.12	3.78	4.12
Inmarsat-B to FB	4.12	3.78	4.12

2. Telex

a) Mobile-to-shore

- Band 0*: 2.70 SDR/min.
- Band 1*: 3.29 SDR/min.
- Band 2*: 4.11 SDR/min.

b) Mobile-to-mobile

- Inmarsat-B to Inmarsat-B: 5.33 SDR/min.
- Inmarsat-B to Inmarsat-C: 5.05 SDR/min.

* See note CS15.

** See note CS16.

CS3 Inmarsat-B (HSD) (per 10 seconds)

Charges applicable in the maritime mobile-satellite service via SENTOSA and BUKIT TIMAH coast earth stations.

a) Mobile-to-shore

Band	ISDN destinations	SDR/min.
0	AFS, BRU, CAN, D, DNK, E, F, FIN, G, GRC, HKG, HOL, I, INS, J, LUX, MLA, NOR, NZL, PHL, S, SNG, SUI, USA.....	8.76
1	AUS, HWA, IRL, KOR, Sakhalin (RUS), Taiwan (Province of China), THA	9.46
2	ARG, AUT, BEL, BHR, CHN, IND, ISR, MAU, Sovintel (RUS), UAE	11.36

b) Mobile-to-mobile

Services	SDR/min.
Inmarsat-B (HSD) to Inmarsat-B	14.79
Inmarsat-B (HSD) to Inmarsat-B (HSD)	16.56
Inmarsat-B (HSD) to Inmarsat-M	12.97
Inmarsat-B (HSD) to Inmarsat-Mini-M/GAN/F77	12.97
Inmarsat-B (HSD) to GAN/F77 (ISDN)	16.49
Inmarsat-B (HSD) to Iridium	16.72
Inmarsat-B (HSD) to BGAN (ISDN)	15.54
Inmarsat-B (HSD) to FB (ISDN)	15.54
Inmarsat-B (HSD) to BGAN	12.79
Inmarsat-B (HSD) to FB	12.79

CS4 Inmarsat-C/Mini-C

Charges applicable in the maritime mobile-satellite service via SENTOSA and BUKIT TIMAH coast earth stations.

1. Telex and fax
 - a) Mobile-to-shore

Band*	SDR/256 bits			
	Text to fax	Telex	Multiple addresses	
			1 st address	2 nd address
0	0.17	0.17	0.17	0.05 except DNK FIN G ISL NOR S SNG
1	0.20	0.20	0.20	0.09
2	0.28	0.28	0.28	0.14

b) Mobile-to-mobile

Services	SDR/256 bits	
	Text to fax	Telex
Inmarsat-C to Inmarsat-B	0.54	0.42
Inmarsat-C to Inmarsat-C (POR/IOR)	–	0.17
Inmarsat-C to Inmarsat-C (AORE/AORW)	–	0.30
Inmarsat-C to Inmarsat-M/Mini-M/GAN/F77	0.54	–
Inmarsat-C to BGAN and FleetBroadband	0.57	–

2. PSDN (mobile-to-shore)
 - a) Singapore: 0.23 SDR/256 bits.
 - b) Other countries: 0.27 SDR/256 bits.
3. CPLUS charges
 - a) Shore-to-mobile
 - Messaging: 0.16 SDR/256 bits.
 - SafetyNET: 0.090 SDR/256 bits.
 - FleetNET: 0.42 SDR/256 bits.
 - Polling with text: 0.42 SDR/256 bits.
 - Polling without text: 0.20 SDR/poll.
 - b) Mobile-to-shore (charged to mobile)
 - Data reporting: 0.041 SDR/packet (landline charges applicable to automatic delivery).

* See note CS15.

CS5 Inmarsat–M

Charges applicable in the maritime mobile-satellite service via SENTOSA and BUKIT TIMAH coast earth stations, including landline charges.

Telephone (Voice/Fax/Data) (per blocks of 15 seconds)

- a) Mobile-to-shore: 2.60 SDR/min.
- b) Mobile-to-mobile

Services	SDR/min.	
	Peak hours**	Off-peak hours**
Inmarsat–M to Inmarsat–B	5.56	5.32
Inmarsat–M to Inmarsat–B (HSD)	12.97	
Inmarsat–M to Inmarsat–M	5.44	
Inmarsat–M to Inmarsat–Mini-M/GAN/F77	5.44	
Inmarsat–M to GAN/F77 (ISDN)	9.27	
Inmarsat–M to Iridium	8.76	
Inmarsat–M to BGAN	4.04	
Inmarsat–M to FB	4.04	
Inmarsat–M to BGAN (ISDN)	8.42	
Inmarsat–M to FB (ISDN)	8.42	

** See note CS16.

CS6 Inmarsat–Mini-M

Charges applicable in the maritime mobile-satellite service via SENTOSA and BUKIT TIMAH coast earth stations.

Telephone (Voice/Fax/Data) (by blocks of 15 seconds)

- a) Mobile-to-shore
- Band 0*: 3.19 SDR/min.
 - Band 1*: 3.43 SDR/min.
 - Band 2*: 3.91 SDR/min.

- b) Mobile-to-mobile

Services	SDR/min.
Inmarsat–Mini-M to Inmarsat–B	5.44
Inmarsat–Mini-M to Inmarsat–B (HSD)	12.97
Inmarsat–Mini-M to Inmarsat–M	5.44
Inmarsat–Mini-M to Inmarsat–Mini-M/GAN/F77	5.32
Inmarsat–Mini-M to GAN/F77 (ISDN)	8.42
Inmarsat–Mini-M to Iridium	7.30
Inmarsat–Mini-M to BGAN	4.68
Inmarsat–Mini-M to FB	4.68
Inmarsat–Mini-M to BGAN (ISDN)	9.27
Inmarsat–Mini-M to FB (ISDN)	9.27

* See note CS15.

CS7 Inmarsat–Fleet F77 (per blocks of 15 seconds) and Fleet F77 (ISDN) (per 10 seconds)

Charges applicable in the maritime mobile-satellite service via SENTOSA and BUKIT TIMAH coast earth stations.

- a) Mobile-to-shore

Band*	SDR/min.				
	Voice		Fax / Data		ISDN
	Peak hours**	Off-peak hours**	2.4 kbps	9.6 kbps	
0	2.85	2.07	1.76	4.08	12.46
1	3.07	2.29	2.12	4.14	13.36
2	3.63	2.40	2.60	4.27	14.25

Fleet F77 (MPDS): 7.49 SDR/Mbit.

b) Mobile-to-mobile

Services	SDR/min.					
	Voice		Fax / Data			ISDN
	Peak hours**	Off-peak hours**	2.4 kbps		9.6 kbps	
			Peak hours**	Off-peak hours**		
Fleet 77 to Inmarsat–B	6.64	5.75	7.20	6.24	9.27	19.27
Fleet 77 to Inmarsat–B (HSD)	16.86	15.97	18.28		18.67	30.03
Fleet 77 to Inmarsat–M	6.64	5.75	7.20	6.24	9.27	19.27
Fleet 77 to Inmarsat–Mini-M/GAN/F77	6.64	5.75	7.20	6.24	9.27	19.27
Fleet 77 to GAN/F77 (ISDN)	10.94	10.60	11.87		13.85	24.65
Fleet 77 to Iridium	10.01		10.85		11.08	33.80
Fleet 77 to BGAN	4.58	3.68	3.45		6.18	16.49
Fleet 77 to FB	4.58	3.68	3.45		6.18	16.49
Fleet 77 to BGAN (ISDN)	10.34		9.69		12.55	25.65
Fleet 77 to FB (ISDN)	10.34		9.69		12.55	25.65

* See note CS15.

** See note CS16.

CS8 Inmarsat–Fleet F55 (per blocks of 15 seconds) and **Fleet F55 (ISDN)** (per 10 seconds)

Charges applicable in the maritime mobile-satellite service via SENTOSA and BUKIT TIMAH coast earth stations.

a) Mobile-to-shore

Band*	SDR/min.			
	Voice		Fax / Data	ISDN
	Peak hours**	Off-peak hours**		
0	2.85	2.07	4.08	12.46
1	3.07	2.29	4.14	13.36
2	3.63	2.40	4.27	14.25

Fleet F55 (MPDS): 7.49 SDR/Mbit.

b) Mobile-to-mobile

Services	SDR/min.		
	Voice	Fax / Data	ISDN
Fleet 55 to Inmarsat–B	6.64	9.27	19.27
Fleet 55 to Inmarsat–B (HSD)	16.86	18.67	30.03
Fleet 55 to Inmarsat–M	6.64	9.27	19.27
Fleet 55 to Inmarsat–Mini-M/GAN/F77/F55/F33	6.64	9.27	19.27
Fleet 55 to GAN/F77/55(ISDN)	10.94	13.85	24.65
Fleet 55 to Iridium	10.01	11.08	33.80
Fleet 55 to BGAN	4.58	6.18	16.49
Fleet 55 to FB	4.58	6.18	16.49
Fleet 55 to BGAN (ISDN)	10.34	12.55	25.65
Fleet 55 to FB (ISDN)	10.34	12.55	25.65

* See note CS15.

** See note CS16.

CS9 Inmarsat–Fleet F33 (per blocks of 15 seconds)

Charges applicable in the maritime mobile-satellite service via SENTOSA and BUKIT TIMAH coast earth stations.

a) Mobile-to-shore

Band*	SDR/min.		
	Voice		Fax / Data
	Peak hours**	Off-peak hours**	
0	2.85	2.07	4.08
1	3.07	2.29	4.14
2	3.63	2.40	4.27

Fleet F33 (MPDS): 7.49 SDR/Mbit.

b) Mobile-to-mobile

Services	SDR/min.	
	Voice	Fax / Data
Fleet 33 to Inmarsat–B	6.64	9.27
Fleet 33 to Inmarsat–B (HSD)	16.86	18.67
Fleet 33 to Inmarsat–M	6.64	9.27
Fleet 33 to Inmarsat–Mini-M/GAN/F77/F55/F33	6.64	9.27
Fleet 33 to GAN/F77/F55 (ISDN)	10.94	13.85
Fleet 33 to Iridium	10.01	11.08
Fleet 33 to BGAN	4.58	6.18
Fleet 33 to FB	4.58	6.18
Fleet 33 to BGAN (ISDN)	10.34	12.55
Fleet 33 to FB (ISDN)	10.34	12.55

* See note CS15.

** See note CS16.

CS10 Inmarsat–BGAN (per blocks of 15 seconds)

Charges applicable in the maritime mobile-satellite service via SENTOSA and BUKIT TIMAH coast earth stations.

a) Shore-to-mobile

Services	SDR/min.	
	Voice	ISDN
Fixed v/f/d*	0.67	–
Cellular v/f/d*	0.87	–
ISDN	–	4.67

b) Mobile-to-shore

Services	SDR/min.
Voice (Mobile to Fixed)	0.72
Voice (Mobile to Cellular)	0.94
Voicemail	0.58
BGAN Voice	0.55
FleetBroadband Voice	0.55
SwiftBroadband Voice	0.55
Inmarsat–B v/f/d	2.46
Inmarsat–M v/f/d	2.10
Inmarsat–Mini-M v/f/d	1.81
Inmarsat GAN/Fleet/Swift Voice	1.81
Inmarsat Aero Voice	3.54
Inmarsat Satellite Phone Service (SPS) Voice	1.45
Inmarsat IsatPhone Pro (GSPS) Voice	0.55
Iridium Voice	7.95
Globalstar Voice	5.78
Thuraya Voice	3.61
Other MSS Carriers	4.99
SMS	0.36 per SMS
Standard IP	5.78 per MB
32kbps Streaming IP	2.60
64kbps Streaming IP	4.99
128kbps Streaming IP	8.67
176kbps Streaming IP	12.29
256kbps Streaming IP	14.96
X-Stream Streaming IP	20.96
BGAN HRD Half Channel/64K	14.96
BGAN HRD Half Channel Symmetric	20.24
BGAN HRD Full Channel/64K	23.13
BGAN HRD Full Channel Symmetric	27.47
ISDN / 3.5 kHz Audio	5.06
Inmarsat–B (HSD)	11.56
FleetBroadband ISDN	5.06
BGAN ISDN	5.06
Inmarsat GAN/Fleet/Swift HSD	11.56
Inmarsat Satellite Phone Service (SPS) ISDN	11.56
Inmarsat IsatPhone Pro (GSPS) ISDN	11.56
Iridium ISDN	11.56
Globalstar ISDN	11.56
Thuraya ISDN	11.56
Other MSS Carriers ISDN	11.56
Inmarsat–B v/f/d ISDN	11.56
Inmarsat–M v/f/d ISDN	11.56
Inmarsat–Mini-M v/f/d ISDN	11.56
Inmarsat GAN/Fleet Voice ISDN	11.56
Aero Voice ISDN	11.56
SwiftBroadband ISDN	5.06

* See note CS15.

CS11 Inmarsat–FleetBroadband (per blocks of 15 seconds)

Charges applicable in the maritime mobile-satellite service via INMARSAT.

a) Shore-to-mobile

Services	SDR/min.	
	Voice	ISDN
Fixed v/f/d*	0.67	–
Cellular v/f/d*	0.87	–
ISDN	–	4.20

b) Mobile-to-shore

Services	SDR
Monthly Subscription fee	291.–
Monthly Inbundle MB Allowance	20.–

Services	SDR/min.
Voice (Mobile to Fixed)	0.71
Voice (Mobile to Cellular)	0.71
Inmarsat FB Voice	0.78
BGAN Voice	0.64
SwiftBroadband Voice	0.64
Aero Voice	3.25
Inmarsat–B v/f/d	2.24
Inmarsat–M v/f/d	1.88
Inmarsat–Mini-M v/f/d	1.66
Inmarsat GAN/Fleet	1.66
Globalstar Voice	5.18
Iridium Voice	7.11
Thuraya Voice	3.25
Inmarsat Satellite Phone Voice (SPS)	1.30
Inmarsat IsatPhone Pro (GSPS)	0.51
Other MSS Carriers Voice	4.48
Voicemail	0.56
SMS	0.36 per SMS
Standard IP	14.07 per MB
ISDN (Mobile to Fixed)	4.55
Inmarsat–B HSD	10.19
Inmarsat GAN/Fleet HSD (ISDN)	10.19
Inmarsat FB ISDN	4.55

(continued)

(cont.)

Services	SDR/min.
BGAN ISDN	4.55
Iridium ISDN	10.19
Globalstar ISDN	10.19
Thuraya ISDN	10.19
Inmarsat Satellite Phone Voice (SPS)	1.30
Inmarsat IsatPhone Pro (GSPS)	0.51
Other MSS Carriers ISDN	10.19
Inmarsat-B v/f/d ISDN	10.19
Inmarsat-M v/f/d ISDN	10.19
Inmarsat-Mini-M v/f/d ISDN	10.19
Inmarsat GAN/Fleet ISDN	10.19
Aero Voice ISDN	10.19
SwiftBroadband Voice ISDN	4.55
IP Streaming 8	0.51
IP Streaming 16	1.01
IP Streaming 24	1.66
IP Streaming 32	3.25
IP Streaming 64	4.55
IP Streaming 128	13.01
IP Streaming 256	26.02

* See note CS15.

CS12 Inmarsat-Small Vessel Plan (per blocks of 15 seconds)

Charges applicable in the maritime mobile-satellite service via INMARSAT.

a) Shore-to-mobile

Services	SDR/min.
	Voice
Fixed v/f/d*	0.67
Cellular v/f/d*	0.87

b) Mobile-to-shore

Services	SDR
Monthly Subscription fee	69.–
Monthly Inbundle MB Allowance	5.–

Services	SDR/min.
Voice (Mobile to Fixed)	0.42
Voice (Mobile to Cellular)	0.59
Inmarsat FB Voice	0.42
BGAN Voice	0.42
SwiftBroadband Voice	0.42
Aero Voice	2.72
Inmarsat–B v/f/d	1.89
Inmarsat–M v/f/d	1.61
Inmarsat–Mini-M v/f/d	1.39
Inmarsat GAN/Fleet	1.39
Globalstar Voice	4.45
Iridium Voice	6.12
Thuraya Voice	2.78
Inmarsat Satellite Phone Voice (SPS)	1.11
Inmarsat IsatPhone Pro (GSPS)	0.42
Other MSS Carriers Voice	3.84
Voicemail	0.42
SMS	0.28 per SMS
Standard IP	13.34 per MB
ISDN (Mobile to Fixed)	1.95
Inmarsat–B HSD	8.90
Inmarsat GAN/Fleet HSD (ISDN)	8.90
Inmarsat FB ISDN	3.89
BGAN ISDN	3.89
Iridium ISDN	8.90
Globalstar ISDN	8.90
Thuraya ISDN	8.90
Inmarsat Satellite Phone Voice (SPS)	1.11
Inmarsat IsatPhone Pro (GSPS)	0.42
Other MSS Carriers ISDN	8.90

(continued)

(cont.)

Services	SDR/min.
Inmarsat–B v/f/d ISDN	8.90
Inmarsat–M v/f/d ISDN	8.90
Inmarsat–Mini-M v/f/d ISDN	8.90
Inmarsat GAN/Fleet Voice ISDN	8.90
Aero Voice ISDN	8.90
SwiftBroadband Voice ISDN	3.89
IP Streaming 8	–
IP Streaming 16	–
IP Streaming 24	–
IP Streaming 32	–
IP Streaming 64	–
IP Streaming 128	–
IP Streaming 256	–

Notes:

- 1) SQT is not available on the new Small Vessel Plans hence SingTel InTouch Cards are not allowed to be sold or used on the Small Vessel Plan.
- 2) Streaming IP services are not available for the Small Vessel Plans.
- 3) Small Vessel Plan cannot be deployed for MVSAT backup.
- 4) Small Vessel Plan cannot be deployed on a vessel greater than 300 GWT.

* See note CS15.

CS13 Inmarsat–Isatphone Pro (per blocks of 15 seconds)

Charges applicable in the maritime mobile-satellite service via INMARSAT.

a) Shore-to-mobile

Services	SDR/min.
	Voice
Fixed v/f/d*	0.67
Cellular v/f/d*	0.87

b) Mobile-to-shore

Services	SDR
Monthly Subscription fee	28.19
Monthly MB Allowance	10.–

Services	SDR/min.
Fixed v/f/d	0.65
Cellular v/f/d	0.78
Voicemail	0.65
SMS	0.33 per SMS
BGAN Voice	0.72
FleetBroadband Voice	0.72
SwiftBroadband Voice	0.72
GSPS or SPS Voice	0.81
Inmarsat–B v/f/d	2.46
Inmarsat–M v/f/d	2.10
Inmarsat–Mini-M v/f/d	1.81
Inmarsat GAN/Fleet/Swift Voice	1.81
Inmarsat Aero Voice	3.54
Iridium Voice	7.95
Globalstar Voice	5.78
Thuraya Voice	3.61
Other MSS Carriers	4.99

* See note CS15.

CS14 Iridium Plan (per blocks of 20 seconds)

Charges applicable in the maritime mobile-satellite service via Iridium.

a) Shore-to-mobile

Services	SDR/min.
	Voice
Fixed v/f/d*	0.67
Cellular v/f/d*	0.87

b) Mobile-to-shore

Services	SDR/min.
Iridium - PSTN Data	1.05
Iridium - PSTN Voice	1.05
Iridium - PSTN (Direct Internet)	1.05
Iridium - Iridium Data	1.05
Iridium - Iridium Voice	0.69
Iridium - SMS	0.36 per SMS
Iridium - Personal Mailbox Access	0.60
PSTN - Iridium 2Stage Dialing Data	1.44
PSTN - Iridium 2Stage Dialing Voice	1.44
Iridium - Other Satellite Data	9.47
Iridium - Other Satellite Voice	9.47
MRC**	Monthly 34.69

* See note CS15.

** See note CS16.

CS15 Composition of destination zones

a) Voice/Fax/Data (Inmarsat–B/C/M/Mini-M/Fleet)

Band	Destinations
0	AFS, ALS, ARS, AUS, AUT, B, BAH, BEL, BER, BHR, BIH, Bophuthatswana, BRU, BUL, CAN, CHN, CHR, CNR, CYP, CZE, D, DNK, E, F, FIN, G, GRC, GUM, HKG, HOL, HRV, HWA, I, ICO, IND, INS, IRL, IRN, ISL, ISR, J, KOR, LBR, LUX, MCO, MDW, MEX, MKD, MLA, MLT, MNE, NOR, NZL, PHL, PNG, PNR, POL, POR, PTR, ROU, RUS (except Astelit, Kriljon, Vostoktelecom), S, SMR, SNG, SRB, SUI, SVN, Taiwan (Province of China), THA, TUR, UAE, UKR, USA, WAK
1	BLR, BRM, CBG, CHL, CLN, CTR, CUB, EGY, EST, FRO, GRL, HNG, JOR, KRE, LAO, MAC, MAU, MDR, MLD, MNG, MRT, NFK, PAK, QAT (Doha), REU, SVK, VTN
2	Other countries (including BGD)

b) Telex (Inmarsat–B/C)

Band	Destinations
0	AFS, AUS, AUT, BEL, Bophuthatswana, BRU, BUL, CAN, CHN, CHR, CLN, CYP, D, DNK, F, FIN, G, GRC, HKG, HOL, HRV, HWA, I, ICO, IRL, ISL, KOR, LUX, MCO, MDW, MLA, MLT, NOR, NZL, POL, RUS (except Astelit, Kriljon, Vostoktelecom), S, SMR, SNG, SVK, SVN, THA, TUR, UAE, UKR, USA, WAK
1	B, BER, BLR, BRM, CNR, E, EST, FRO, GRL, HNG, IND, INS, J, KRE, MAC, MAU, MRT, NFK, PHL, POR, QAT (Doha), REU, SUI, Taiwan (Province of China), VTN
2	Other countries

CS16 Peak and off peak hours
Inmarsat-B/Fleet (voice only)

Ocean Region	Peak hours (UTC)	Off-peak hours (UTC)
POR	0301 – 1859	1900 – 0300
IOR	0301 – 1859	1900 – 0300
AORE	0601 – 2159	2200 – 0600
AORW	0701 – 2259	2300 – 0700

CS17 Inmarsat-B/C/M/Mini-M/M4/Fleet77/Fleet33/Fleetbroadband/SmallVessel/Isatphone Pro/Iridium.

**List of Ship Stations and Maritime Mobile
Service Identity Assignments
(List V)
Edition of 2015**

Section VI

REP

US11 Airbus DS SatCom Government, Inc., 2550 Wasser Terrace, Suite 6000,
Herndon, VA 21701, United States.
Contact Person: Julie Wilhelmi, Manager, Contracts and Procurement,
Tel: +1 703 466 5868, E-mail: julie.wilhelmi@astrium.eads-na.com

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

(Amendment No. 9)

PART I

STATIONS IN THE TERRESTRIAL RADIOCOMMUNICATION SERVICES

RUS Russian Federation

P 333 and 335 ADD by alphabetical order

RUS - Russian Federation			
Centralizing office	Postal address	Telephone, Telefax, Electronic-mail	Remarks
Federal State Unitary Enterprise General Radio Frequency Centre	Building 15 7, Derbenevskaya Embankment 117997 Moscow	TF : +7 495 7481448 FAX : +7 495 7480680 EMAIL : int@grfc.ru	

Name of the station	Postal address	Telephone, Telefax, Electronic- mail
Nyagan	Highway, Building 1 14 Unyugan village Khanty-Mansiisk autonomous district-Yugra 628181 Nyagan Tyumen Region Russian Federation	TF : +7 346 7261332 FAX : +7 346 7266939 EMAIL : a.anisimov@urfc.ru

Geographical coordinates	Types of measurements	Ranges of frequencies for each measurement	Hours of service	Remarks
56°46'10"N 061°02'20"E	Frequency measurements	1 MHz - 30 MHz	H24	Accuracy of measurements: ± 1 Hz (absolute value).
56°46'10"N 061°02'20"E	Field strength or power flux-density measurements	1 MHz - 30 MHz	H24	Measurement range: 10-120 dBµV/m. Accuracy of measurements: ± 3 dB.
56°46'10"N 061°02'20"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 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
Cont. 56°46'10"N 061°02'20"E	Direction-finding measurements	10 kHz - 30 MHz	H24	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. Antenna system with frequency range from 1 MHz to 30 MHz - 17 antennas based on vertical asymmetrical volumetric dipoles with a height of 11.2 m. Vertical polarization.
56°46'10"N 061°02'20"E	Bandwidth measurements	1 MHz - 30 MHz	H24	x dB method according to ITU-R Recommendation SM.443-4.
56°46'10"N 061°02'20"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.

Name of the station	Postal address	Telephone, Telefax, Electronic-mail
Samara	Pridorozhnyi village 443047 Volgian district Samara Region Russian Federation	TF : +7 846 2696513 FAX : +7 846 2696514 EMAIL : strk@rfc63.su

Geographical coordinates	Types of measurements	Ranges of frequencies for each measurement	Hours of service	Remarks
53°05'00"N 050°10'26"E	Frequency measurements	1 MHz - 30 MHz	H24	Accuracy of measurements: ± 1 Hz (absolute value).
53°05'00"N 050°10'26"E	Field strength or power flux-density measurements	1 MHz - 30 MHz	H24	Measurement range: 10-120 dBµV/m. Accuracy of measurements: ± 3 dB.
53°05'00"N 050°10'26"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 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
Cont. 53°05'00"N 050°10'26"E	Direction-finding measurements	10 kHz - 30 MHz	H24	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. Antenna system with frequency range from 1 MHz to 30 MHz - 17 antennas based on vertical asymmetrical volumetric dipoles with a height of 11.2 m. Vertical polarization.
53°05'00"N 050°10'26"E	Bandwidth measurements	1 MHz - 30 MHz	H24	x dB method according to ITU-R Recommendation SM.443-4.
53°05'00"N 050°10'26"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.

Name of the station	Postal address	Telephone, Telefax, Electronic-mail
Verhneye Dubrovo	15, Tekhnicheskaya street Verkhneye Dubrovo urban-type settlement 624053 Beloyarskiy district Sverdlovsk Region Russian Federation	TF : +7 343 2160228 FAX : +7 343 2160093 EMAIL : a.chaschin@urfc.ru

Geographical coordinates	Types of measurements	Ranges of frequencies for each measurement	Hours of service	Remarks
56°46'10"N 061°02'20"E	Frequency measurements	1 MHz - 30 MHz	H24	Accuracy of measurements: ± 1 Hz (absolute value).
56°46'10"N 061°02'20"E	Field strength or power flux-density measurements	1 MHz - 30 MHz	H24	Measurement range: 10-120 dBµV/m. Accuracy of measurements: ± 3 dB.
56°46'10"N 061°02'20"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.

(cont.)

RUS - Russian Federation (cont.)

Geographical coordinates	Types of measurements	Ranges of frequencies for each measurement	Hours of service	Remarks
<p><i>Cont.</i></p> <p>56°46'10"N 061°02'20"E</p>	<p>Direction-finding measurements</p>	<p>10 kHz - 30 MHz</p>	<p>H24</p>	<p>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.</p> <hr/> <p>Antenna system with frequency range from 1 MHz to 30 MHz - 17 antennas based on vertical asymmetrical volumetric dipoles with a height of 11.2 m. Vertical polarization.</p>
<p>56°46'10"N 061°02'20"E</p>	<p>Bandwidth measurements</p>	<p>1 MHz - 30 MHz</p>	<p>H24</p>	<p>x dB method according to ITU-R Recommendation SM.443-4.</p>
<p>56°46'10"N 061°02'20"E</p>	<p>Automatic spectrum occupancy surveys</p>	<p>10 kHz - 30 MHz</p>	<p>H24</p>	<p>Automatic measurement of spectrum occupancy in accordance with ITU-R Recommendation SM.1880 and ITU Handbook on Spectrum Monitoring.</p>

**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 2013)**

(Annex to ITU Operational Bulletin No. 1040 – 15.XI.2013)
(Amendment No.29)

Germany LIR

<i>Country/ geographical area</i>	<i>Company Name/Address</i>	<i>Issuer Identifier Number</i>	<i>Contact</i>
Germany	Deutsche Telekom AG Friedrich-Ebert-Allee 140 53113 BONN	89 49 01	Mr. Benjamin Böling Deutsche Telekom Technik GmbH Nummerierungsmanagement Strategie und Konzeption Godesberger Allee 99 53175 BONN Tel: +49 228 181 64514 E-mail: benjamin.boeling@telekom.de

<i>Country/ geographical area</i>	<i>Company Name/Address</i>	<i>Issuer Identifier Number</i>	<i>Contact</i>
Germany	Deutsche Telekom AG Friedrich-Ebert-Allee 140 53113 BONN	89 49 02	Mr. Benjamin Böling Deutsche Telekom Technik GmbH Nummerierungsmanagement Strategie und Konzeption Godesberger Allee 99 53175 BONN Tel: +49 228 181 64514 E-mail: benjamin.boeling@telekom.de

<i>Country/ geographical area</i>	<i>Company Name/Address</i>	<i>Issuer Identifier Number</i>	<i>Contact</i>
Germany	Deutsche Telekom AG Friedrich-Ebert-Allee 140 53113 BONN	89 49 03	Mr. Benjamin Böling Deutsche Telekom Technik GmbH Nummerierungsmanagement Strategie und Konzeption Godesberger Allee 99 53175 BONN Tel: +49 228 181 64514 E-mail: benjamin.boeling@telekom.de

**Mobile Network Codes (MNC) for the international identification plan
for public networks and subscriptions
(According to Recommendation ITU-T E.212 (05/2008))
(Position on 15 July 2014)**

(Annex to ITU Operational Bulletin No. 1056 - 15.VII.2014)
(Amendment No. 24)

<i>Country/Geographical area</i>	<i>MCC+MNC *</i>	<i>Operator/Network</i>
Belize SUP		
	702 68	International Telecommunications Ltd. (INTELCO)
Belize ADD		
	702 69	SMART/Speednet Communications Ltd.
Greenland ADD		
	290 02	inu:it a/s

* 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 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. 14)

<i>Country or area/ISO code</i>	<i>Company Code</i>	<i>Contact</i>
<i>Company Name/Address</i>	<i>(carrier code)</i>	
Germany (Federal Republic of) / DEU	ADD	
Germany (Federal Republic of) / DEU		
VoipConnection Communications GmbH Kleinhuelsen 42 40721 HILDEN	AISGER	Mr. Christian Sohn Tel.: +49 2103 5877 190 Fax: +49 2103 5877 310 E-mail: christian.sohn@voipconnection.de
Germany (Federal Republic of) / DEU		
Stadtwerke Marburg GmbH Am Krekel 55 35039 MARBURG	SWMR	Mr. Markus Scholz Tel.: +49 6421 205 714 Fax: +49 6421 205 300 E-mail: markus.scholz@swmr.de
Luxembourg / LUX	LIR	
Luxembourg / LUX		
Cegecom S.A. 3, rue Jean Piret B.P. 2708 L-1027 Luxembourg	CGCOM	Mr. Georges Muller Tel.: +352 26 499 403 Fax: +352 26 499 699 E-mail: georges.muller@artelis.net

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. 8)

Numerical order ADD

5-215 Cyprus (Republic of)

Alphabetical order ADD

5-215 Cyprus (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. 15)

<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>			
Albania SUP				
2-152-2	5314		GMSC – Tirana 1	Vodafone Albania
2-152-5	5317		GMSC – Tirana 2	Vodafone Albania
4-227-4	10012		Mobik	MOBIK
4-227-6	10014		N&S Telecom	N&S TELECOM
Albania ADD				
7-219-0	16088		PEGASUS ALBANIA	Pegasus Communications Sh.p.k.
7-219-1	16089		Alb.Tel.Partner	Albanian Telecommunication Partners sh.p.k
7-219-2	16090		PROTON Communication	Proton Communication Sh.p.k
7-219-3	16091		Abronet Albania	ABRONET Sh.p.k
7-219-4	16092		UNIFI Albania	UNIFI Holdings INC Dega në Shqiperi
Cyprus LIR				
2-160-2	5378		GSM, Nicosia, Kennedy	MTN Cyprus Limited
2-160-3	5379		Callsat NIC1, Nicosia	CALLSAT INTERNATIONAL TELECOMMUNICATIONS
2-160-4	5380		GSM, Nicosia, Latsia	MTN Cyprus Limited
2-160-5	5381		ONT/NIC 1, Nicosia	OTENet Telecommunications Ltd.
2-160-6	5382		TWX/LIM1, Limassol	Primetel PLC
2-160-7	5383		OMGTEL-FR	D.S.T. Omega Telecom
3-248-0	8128		TWX/LIM2, Limassol	Primetel PLC
3-248-6	8134		MTNCYMSS1, Nicosia	MTN Cyprus Limited
3-248-7	8135		MTNCYMSS2, Nicosia	MTN Cyprus Limited
5-237-0	12136		MTNCYSTP1, Nicosia	MTN Cyprus Limited
5-237-1	12137		MTNCYSTP2, Nicosia	MTN Cyprus Limited
5-237-2	12138		MTNCYMGW1, Nicosia	MTN Cyprus Limited
5-237-3	12139		MTNCYMGW2, Nicosia	MTN Cyprus Limited
5-237-4	12140		PrimeTelMVNO, Limassol	Primetel PLC
5-237-5	12141		PrimeTelMVNO2, Limassol	Primetel PLC
5-237-6	12142		PrimeTel-FRA1, Limassol	Primetel PLC
5-237-7	12143		PrimeTel-ATH1, Limassol	Primetel PLC
6-231-0	14136		PrimeTel-LON1, Limassol	Primetel PLC
Estonia SUP				
5-230-6	12086		Tallinn	MeraTel OÜ
5-230-7	12087		Tallinn	MeraTel OÜ

Estonia ADD

5-230-6	12086	Tallinn/E1T	Vivex OÜ
5-230-7	12087	Prague/E1P	Vivex OÜ

Georgia SUP

2-208-6	5766	Tbilisi	Saktelcom Plus Ltd
2-208-7	5767	...	Tesaco Ltd
2-213-0	5800	...	Macrocom Ltd
2-213-4	5804	...	Infotel Ltd

Georgia ADD

2-213-5	5805	Tbilisi, International Exchange	Global 1 JSC
5-233-7	12111	Tbilisi, Mobile Switching Centre	Magticom Ltd

Georgia LIR

2-208-0	5760	Tbilisi, International Exchange	Magticom Ltd
2-208-1	5761	Tbilisi, International Exchange	System Net Ltd
2-208-4	5764	Tbilisi, Mobile Switching Centre	Geocell Ltd
2-208-5	5765	Tbilisi, International Exchange	My phone Ltd
2-213-1	5801	Tbilisi, International Exchange	Caucasus Online Ltd
2-213-2	5802	Rustavi, PSTN Switch	Central Georgian Communications Co. Ltd.
2-213-3	5803	Tbilisi, International Exchange	Silknet JSC
2-213-6	5806	Tbilisi, International Exchange	Caucasus Online Ltd
2-213-7	5807	Tbilisi, PSTN Switch	Caucasus Digital Ntework Ltd
3-246-0	8112	Tbilisi, Mobile Switching Centre	Jodo telecommunications LTD
3-246-1	8113	Tbilisi, International Exchange	GoodWillComm Ltd
3-246-2	8114	Tbilisi, International Exchange	Service Net Ltd
3-246-3	8115	Tbilisi, International Exchange	Black Sea Telecom Ltd
3-246-4	8116	Tbilisi, Mobile Switching Centre	Mobitel Ltd
3-246-5	8117	Tbilisi, International Exchange	Warid Telecom Georgia Ltd
3-246-6	8118	Tbilisi, International Exchange	Silknet JSC
3-246-7	8119	Tbilisi, International Exchange	Alex Development Georgia Ltd
5-233-0	12104	Tbilisi, Mobile Switching Centre	Gmobile LTD
5-233-1	12105	Tbilisi, Mobile Switching Centre	Silknet JSC
5-233-2	12106	Tbilisi, Mobile Switching Centre	Geocell Ltd
5-233-3	12107	Tbilisi, Mobile Switching Centre	Mobitel Ltd
5-233-4	12108	Tbilisi, PSTN Switch	Akhali Kselebi Ltd
5-233-5	12109	Tbilisi, PSTN Switch	Akhteli Ltd
5-233-6	12110	Tbilisi, International Exchange	System Net Ltd

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

National Numbering Plan (According to Recommendation ITU-T E.129 (01/2013))

Web:www.itu.int/itu-t/inr/nnp/index.html

Administrations are requested to notify ITU about their national numbering plan changes, or to give an explanation on their webpage concerning the national numbering plan as well as their contact points, so that the information, which will be made available freely to all administrations/ROAs and service providers, can be posted on the ITU-T website.

For their numbering website, or when sending their information to ITU/TSB (e-mail: tsbtson@itu.int), administrations are kindly requested to use the format as explained in Recommendation ITU-T E.129. They are reminded that they will be responsible for the timely update of this information.

From 1.VIII.2015 the following countries have updated their national numbering plan on our site:

<i>Country</i>	<i>Country Code (CC)</i>
Barbados	+1 246
Tanzania	+255