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

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

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

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1234	15.XII.2021	1.XII.2021
1235	1.I.2022	10.XII.2021

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.

- 1199 List of International Signalling Point Codes (ISPC) (According to Recommendation ITU-T Q.708 (03/1999)) (Position on 1 July 2020)
- 1162 Mobile Network Codes (MNC) for the international identification plan for public networks and subscriptions (According to Recommendation ITU-T E.212 (09/2016)) (Position on 15 December 2018)
- 1161 List of Issuer Identifier Numbers for the International Telecommunication Charge Card (In accordance with Recommendation ITU-T E.118 (05/2006)) (Position on 1 December 2018)
- 1154 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 15 August 2018)
- 1125 List of Signalling Area/Network Codes (SANC) (Complement to Recommendation ITU-T Q.708 (03/1999)) (Position on 1 June 2017)
- 1125 List of terrestrial trunk radio mobile country codes (Complement to Recommendation ITU-T E.218 (05/2004)) (Position on 1 June 2017)
- 1117 List of mobile country or geographical area codes (Complement to Recommendation ITU-T E.212 (09/2016)) (Position on 1 February 2017).
- 1114 List of Recommendation ITU-T E.164 assigned country codes (Complement to Recommendation ITU-T E.164 (11/2010)) (Position on 15 December 2016)
- 1096 Legal time 2016
- 1060 List of ITU Carrier Codes (According to ITU-T Recommendation M.1400 (03/2013)) (Position on 15 September 2014)
- 1015 Access codes/numbers for mobile networks (According to ITU-T Recommendation E.164 (11/2010)) (Position on 1 November 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 Call-Back and alternative calling procedures (Res. 21 Rev. PP-06)
- 980 List of Telegram Destination Indicators (In accordance with ITU-T Recommendation F.32 (10/1995)) (Position on 15 May 2011)
- 978 List of Telex Destination Codes (TDC) and Telex Network Identification Codes (TNIC) (Complement to ITU-T Recommendations F.69 (06/1994) and F.68 (11/1988)) (Position on 15 April 2011)
- 977 List of Data Network Identification Codes (DNIC) (According to ITU-T Recommendation X.121 (10/2000)) (Position on 1 April 2011)
- 976 List of Data Country or Geographical Area Codes (Complement to ITU-T Recommendation X.121 (10/2000)) (Position on 15 March 2011)
- 974 List of Names of Administration Management Domains (ADMD) (In accordance with ITU-T F.400 and X.400 series Recommendations) (Position on 15 February 2011)
- 955 Various tones used in national networks (According to ITU-T Recommendation E.180 (03/1998)) (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)

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-105, 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.703 (2016) Amd. 1 (05/2021): Physical/electrical characteristics of hierarchical digital interfaces - Amendment 1
- ITU-T G.709/Y.1331 (2020) Cor. 1 (05/2021): Interfaces for the optical transport network: Corrigendum 1
- ITU-T G.709.4/Y.1331.4 (2020) Cor. 1 (05/2021): OTU25 and OTU50 short-reach interfaces - Corrigendum 1
- ITU-T G.798 (2017) Cor. 2 (05/2021): Characteristics of optical transport network hierarchy equipment functional blocks - Corrigendum 2
- ITU-T G.987.3 (2014) Amd. 2 (05/2021): 10-Gigabit-capable passive optical networks (XG-PON): Transmission convergence (TC) layer specification - Amendment 2
- ITU-T G.7714.1/Y.1705.1 (2017) Amd. 1 (05/2021): Protocol for automatic discovery in transport networks - Amendment 1
- ITU-T G.8010/Y.1306 (2004) Amd. 3 (05/2021): Architecture of Ethernet layer networks - Amendment 3
- ITU-T G.8271.2/Y.1366.2 (05/2021): Network limits for time synchronization in packet networks with partial timing support from the network
- ITU-T G.8273.4/Y.1368.4 (2020) Amd. 1 (05/2021): Timing characteristics of telecom boundary clocks and telecom time slave clocks for use with partial timing support from the network - Amendment 1
- ITU-T G.8275/Y.1369 (2020) Amd. 1 (05/2021): Architecture and requirements for packet-based time and phase distribution - Amendment 1
- ITU-T G.9806 (2020) Amd. 2 (05/2021): Higher speed bidirectional, single fibre, point-to-point optical access system (HS-PtP) - Amendment 2
- ITU-T K.56 (05/2021): Protection of radio base stations against lightning discharges
- ITU-T K.112 (05/2021): Lightning protection, earthing and bonding: Practical procedures for radio base stations
- ITU-T L.100/L.10 (05/2021): Optical fibre cables for duct and tunnel application

By TSB Circular 320 of 31 May 2021, it was announced that the following ITU-T Recommendations were approved, in accordance with the procedures outlined in Resolution 1:

ITU-T D.1041 (05/2021): Policy and methodological principles for determining co-location and access charges

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 Confederation of Switzerland, 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>
Switzerland (Confederation of)	7-209

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

International Identification Plan for Public Networks and Subscriptions (Recommendation ITU-T E.212 (09/2016))

Note from TSB

Identification codes for International Mobile Networks

Associated with shared mobile country code 901 (MCC), the following two-digit mobile network codes (MNC) have been **assigned**.

<i>Network</i>	<i>Mobile Country Code (MCC) and Mobile Network Code (MNC)</i>	<i>Date of assignment</i>
Flo Live Limited	901 80	1.VI.2021
Airunity SAS	901 81	1.VI.2021

Telephone Service (Recommendation ITU-T E.164)

url: www.itu.int/itu-t/inr/npn

Ghana (country code +233)

Communication of 19.V.2021:

The *National Communications Authority (NCA)*, Accra, announces the assignment of new numbering blocks to an existing GSM/UMTS operator, Scancom PLC (MTN Ghana).

a) Overview:

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

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

b) Detail of numbering plan:

<i>NDC (National Destination Code) or leading digits of N(S)N (National (Significant) Number)</i>	<i>N(S)N number length</i>		<i>Usage of E.164 Number</i>	<i>Additional information</i>
	<i>Maximum length</i>	<i>Minimum length</i>		
59Y (NDC) Y = 7, 8 & 9 (59 7XX XXXX) (59 8XX XXXX) (59 9XX XXXX)	9	9	Non-geographic number for mobile services	Scancom PLC (MTN Ghana)
25Z (NDC) Z = 6 & 7 (25 6XXXXXX) (25 7XXXXXX)	9	9	Non-geographic number for mobile services	Scancom PLC (MTN Ghana)

Contact:

National Communications Authority (NCA)
Mr Paul Kofi Datsa
NCA Tower, No. 6 Airport City
Kotoka International Airport
P.O. Box CT 1568, Cantonments
ACCRA
Ghana
Tel: +233 302 776 621
Fax: +233 302 763 449
E-mail: info@nca.org.gh
URL: www.nca.org.gh

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

Communication of 18.V.2021:

The *Communications Regulatory Authority (CRA)*, Tehran, announces the following updated National Numbering Plan of the Islamic Republic 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 dialled before all telephone numbers except short numbers.
It must not be dialled 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)
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)
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 vaBakhtiari)
41	5	10	Fixed Phone	Area Code (Geographic Number for Fixed telephony Numbers- East Azarbayjan)

NDC	NSN Number length		Usage of E.164	Additional Information
	Minimum	Maximum		
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)
51	5	10	Fixed Phone	Area Code (Geographic Number for Fixed telephony Numbers – Razavi Khorasan)
54	5	10	Fixed Phone	Area Code (Geographic Number for Fixed telephony Numbers – SistanvaBalochestan)
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)
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 –Kohgiluoyeva 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 – Kermanshahan)
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)
9001	10	10	Mobile services	
9002	10	10	Mobile services	
9003	10	10	Mobile services	
9004	10	10	Mobile services	
9005	10	10	Mobile services	
9006	10	10	Mobile services	
9007	10	10	Mobile services	
9008	10	10	Mobile services	
9009	10	10	Mobile services	
901	10	10	Mobile services	
902	10	10	Mobile services	
903	10	10	Mobile services	
9044	10	10	Mobile services	
9045	10	10	Mobile services	
9046	10	10	Mobile services	

NDC	NSN Number length		Usage of E.164	Additional Information
	Minimum	Maximum		
905	10	10	Mobile services	
91	10	10	Mobile services	
920	10	10	Mobile services	
921	10	10	Mobile services	
922	10	10	Mobile services	
93	10	10	Mobile services	
942121	10	10	Fixed Phone	Non geographical
94220	10	10	Fixed Phone	Non geographical
94260	6	10	Fixed Phone	Non geographical
942800	10	10	Fixed Phone	Non geographical
942801	10	10	Fixed Phone	Non geographical
942802	10	10	Fixed Phone	Non geographical
942900	10	10	Fixed Phone	Non geographical
942901	10	10	Fixed Phone	Non geographical
942902	10	10	Fixed Phone	Non geographical
942903	10	10	Fixed Phone	Non geographical
942904	10	10	Fixed Phone	Non geographical
9430130	10	10	Fixed Phone	Non geographical
943016	10	10	Fixed Phone	Non geographical
940000	10	10	Fixed Phone (fiber)	Non geographical
940009	10	10	Fixed Phone (fiber)	Non geographical
94440	10	10	Fixed Phone (Fixed wireless Access)	Just Originating from Iran
96	4	10	Services Codes	
990	10	10	Mobile services	
991	10	10	Mobile services	
992	10	10	Mobile services	
993	10	10	Mobile services	
9940	10	10	Mobile services	
9941	10	10	Mobile services	
9944	10	10	Mobile services	
9945	10	10	Mobile services	
9950	5	10	Public Trunk	
99510	10	10	Mobile services	
99550	10	10	Mobile services	
99810	10	10	Mobile services	
99811	10	10	Mobile services	
99812	10	10	Mobile services	
99813	10	10	Mobile services	
99814	10	10	Mobile services	
99815	10	10	Mobile services	
99888	10	10	Mobile services	
99900	10	10	Mobile services	
99901	10	10	Mobile services	
99903	10	10	Mobile services	
99910	10	10	Mobile services	
99911	10	10	Mobile services	

NDC	NSN Number length		Usage of E.164	Additional Information
	Minimum	Maximum		
99912	10	10	Mobile services	
99913	10	10	Mobile services	
99914	10	10	Mobile services	
99921	10	10	Mobile services	
99977	10	10	Mobile services	
99987	10	10	Mobile services	
99988	10	10	Mobile services	
99989	10	10	Mobile services	
99990	10	10	Mobile services	
99991	10	10	Mobile services	
99992	10	10	Mobile services	
99993	10	10	Mobile services	
99994	10	10	Mobile services	
99995	10	10	Mobile services	
99996	10	10	Mobile services	
99997	10	10	Mobile services	
99998	10	10	Mobile services	
99999	10	10	Mobile services	

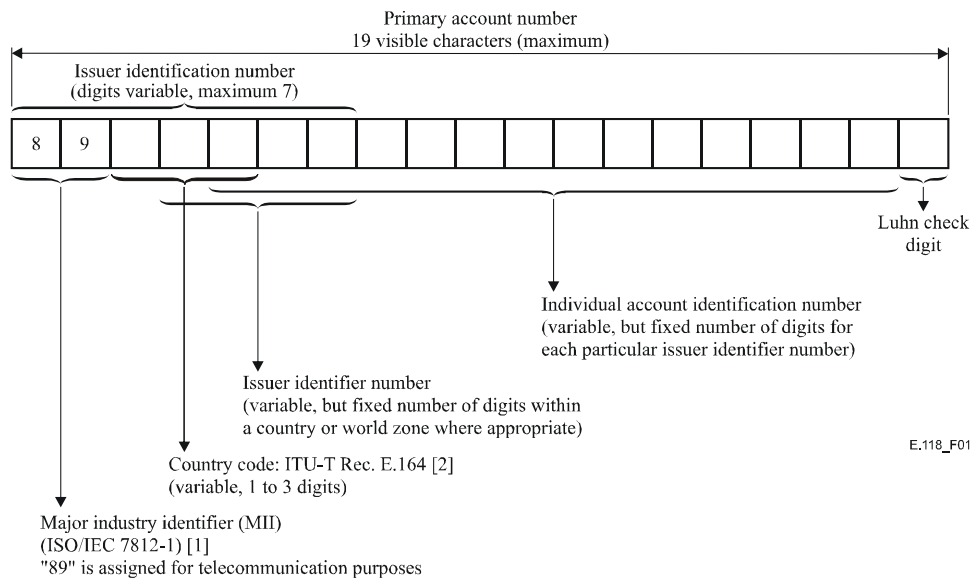
Contact:

Alireza Darvishi
 Director General, International Organizations Bureau,
 Communications Regulatory Authority (CRA)
 Ministry of Information and Communication Technology
 15598 TEHRAN
 Iran (Islamic Republic of)
 Tel: +98 21 89662201
 Fax: +98 21 88468999
 E-mail: darvishi@cra.ir
 URL: www.cra.ir

Issuer Identifier Number (IIN) (Recommendation ITU-T E.118 (05/2006))

Note from TSB

1 ITU-T Study Group 2 has developed Recommendation [ITU-T E.118 "The international telecommunication charge card"](#). This recommendation specifies the structure of the visible card number (primary account number) and the Issuer Identifier Number (IIN) assignment and registration procedure. The Issuer Identifier Number is a part of the visible card number with a maximum length of 19 characters. The IIN follows the Major Industry Identifier (MII) "89" for telecommunication purpose and then the E.164 Country Code. The structure is as follows:



2 The IIN is used to distinguish among multiple Operating Agencies (OAs) who issue cards within a given country; or to distinguish individual countries sharing the same country code, or to distinguish both countries and issuers. One of the typical uses is to identify an issuer of SIM (Subscriber Identity Module) cards.

3 The assignment of specific Issuer Identifier Numbers should be the responsibility of a country. These numbers should only be assigned with the agreement of the national Administrations.

ITU is the central registration Authority for Issuer Identifier Numbers (IINs) with Major Industry Identifier (MII) "89" for telecommunication purposes.

4 *List of ITU-registered IINs:*

Any change to information contained in the List of ITU-registered IINs should therefore be communicated to the ITU, TSB/OBNA Secretariat for record update and publication as an amendment in the ITU Operational Bulletin (OB). The OB is published on 1st and 15th of each month.

It is important that all IIN assignees can be reached to notify them of administrative matters that may require action or to handle queries related to registered IIN.

5 *Modification of information related to registered ITU-T E.118 IIN:*

In order to maintain the IIN list, all registered companies have the responsibility to notify all modifications concerning their company and contact person or team (including full address and e-mail address) to ITU, TSB/OBNA Secretariat and the updates would need to be endorsed by the national Administration or sent by the national Administration.

The IIN assignee contact is published in ITU Operational Bulletin which is publicly accessible (<https://www.itu.int/pub/T-SP>) and registered in ITU. The contact may therefore receive queries related to registered IIN.

A public team name/tel/mailbox email address responsible for handling these queries should be provided.

More particularly, the companies indicated in the document below are requested to send all modifications concerning their company and contact details and the updates would need to be endorsed by the national Administration or sent by the national Administration.

The document available at the following link contains only the list of ITU-T E.118 IINs for which the assignee contact is not reachable:

<https://www.itu.int/en/ITU-T/inr/forms/Pages/iin.aspx#assignee-contact-not-reachable>

6 *Cancellation procedure for an ITU-T E.118 IIN:*

IIN is a scarce numbering resource. Should the IIN no longer be in use by the registered company, a cancellation would need to be validated by the national Administration.

Part A of the registration form should be completed.

Part B of the registration form must be completed and approved by the national Administration.

(Note: effective date of cancellation should be provided and Cancellation must be ticked on the form)

The form can be downloaded at the following link: <http://www.itu.int/oth/T0206000007>

Following the national Administration's confirmation of cancellation, the form should be sent to ITU, TSB/OBNA Secretariat.

7 For further information on IIN and fees, please see:

<http://www.itu.int/en/ITU-T/inr/forms/Pages/iin.aspx>.

8 Please address your comments to:

Operational Bulletin and Numbering Administration
International Telecommunication Union
Telecommunication Standardization Bureau
Place des Nations CH - 1211 GENEVA 20, Switzerland
Fax: +41 22 730 5853
E-mail: tsbtson@itu.int

Other communication

Austria

Communication of 26.V.2021:

On the occasion of the "60 years Antarctic Treaty", the Austrian Administration authorizes an Austrian amateur station to use the special call sign **OE60ANT** from 1 July to 31 December 2021.

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)
Malaysia	1013 (p.5)
Thailand	1034 (p.5)
São Tomé and Príncipe	1039 (p.14)
Uruguay	1039 (p.14)
Hong Kong, China	1068 (p.4)
Ukraine	1148 (p.5)

Call-Back and alternative calling procedures (Res. 21 Rev. PP-06)

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 2019
(Amendment No. 5)*

SNG Singapore

Notes **CS2 to CS12** **LIR**

CS2 **Inmarsat-C/Mini-C**

Charges applicable in the maritime mobile-satellite service via Burum coast earth station.

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

SDR/256 bits			
Text to fax	Telex	Multiple addresses	
		1 st address	2 nd address
0.19	0.19	0.19	0.06 except DNK FIN G ISL NOR S SNG

- b) Mobile-to-mobile

Services	SDR/256 bits	
	Text to fax	Telex
Inmarsat-C to Inmarsat-C (POR/IOR)	–	0.19
Inmarsat-C to Inmarsat-C (AORE/AORW)	–	0.33
Inmarsat-C to BGAN and FleetBroadband	0.62	–

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

2. PSDN (mobile-to-shore)
 - a) Singapore: 0.18 SDR/256 bits.
 - b) Other countries: 0.18 SDR/256 bits.
3. CPLUS charges
 - a) Shore-to-mobile
 - Messaging: 0.18 SDR/256 bits.
 - SafetyNET: 0.097 SDR/256 bits.
 - FleetNET: 0.460 SDR/256 bits.
 - Polling with text: 0.460 SDR/256 bits.
 - Polling without text: 0.226 SDR/poll.
 - b) Mobile-to-shore (charged to mobile)
 - Data reporting: 0.035 SDR/packet (landline charges applicable to automatic delivery).

CS3 Inmarsat–BGAN (Charging duration is per block of 15 seconds)

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

- a) Shore-to-mobile

Services	SDR/min.	
	Voice	ISDN
BGAN Voice	3.07	
BGAN ISDN		7.08

- b) Mobile-to-shore

Services	SDR
Monthly Subscription fee	66.–
Monthly Inbundle Dollar Allowance	29.–

Services	Charge Unit	SDR
Voice (Mobile to Fixed)	min.	0.73
Voice (Mobile to Cellular)	min.	0.95
Voicemail	min.	0.58
BGAN Voice	min.	0.55
FleetBroadband Voice	min.	0.55
SwiftBroadband Voice	min.	0.55
Inmarsat Swift Voice	min.	1.82
Aero Voice	min.	3.57
Satellite Phone Service (SPS) Voice	min.	1.46
IsatPhone Pro (GPS) Voice	min.	0.55
Iridium Voice	min.	8.02
Thuraya Voice	min.	3.64
Other MSS Carriers	min.	5.03
SMS (per SMS)	MSG	0.36
Standard IP (per MB)	Mbyte	5.83
<i>...(Cont.)</i>		

Services	Charge Unit	SDR
<i>...(Cont.)</i>		
32kbps Streaming IP	min.	2.62
64kbps Streaming IP	min.	5.03
128kbps Streaming IP	min.	8.75
176kbps Streaming IP	min.	12.39
256kbps Streaming IP	min.	15.09
X-Stream Streaming IP	min.	21.14
BGAN HRD Half Channel/64K	min.	15.09
BGAN HRD Half Channel Symmetric	min.	20.41
BGAN HRD Full Channel/64K	min.	23.33
BGAN HRD Full Channel Symmetric	min.	27.70
ISDN / 3.5 kHz Audio	min.	5.10
FleetBroadband ISDN	min.	5.10
BGAN ISDN	min.	5.10
Inmarsat Swift HSD	min.	11.66
Satellite Phone Service (SPS) ISDN	min.	5.10
IsatPhone Pro (GPS) ISDN	min.	5.10
Iridium ISDN	min.	11.66
Thuraya ISDN	min.	11.66
Other MSS Carriers ISDN	min.	11.66
Aero Voice ISDN	min.	11.66
SwiftBroadband ISDN	min.	5.10

CS4 Inmarsat–FleetBroadband (Charging duration is per block of 15 seconds)

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

a) Shore-to-mobile

Services	SDR/min.	
	Voice	ISDN
FleetBroadband Voice	3.07	
FleetBroadband ISDN		7.08

b) Mobile-to-shore

Services	SDR/MB
Monthly Subscription fee (SDR)	338
Monthly Inbundle MB Allowance	17

Services	Charge Unit	SDR
Voice (Mobile to Fixed)	min.	0.71
Voice (Mobile to Cellular)	min.	0.71
FB Voice	min.	0.79
BGAN Voice	min.	0.64
SwiftBroadband Voice	min.	0.64
Aero Voice	min.	3.28
Iridium Voice	min.	7.17
Thuraya Voice	min.	3.28
Inmarsat Satellite Phone Voice (SPS)	min.	1.31
Inmarsat IsatPhone Pro (GSPS)	min.	0.51
Other MSS Carriers Voice	min.	4.52
Voicemail	min.	0.57
SMS (per SMS)	SMS	0.36
Standard IP (per MB)	MB	19.11
ISDN (Mobile to Fixed)	min.	4.59
FB ISDN	min.	4.59
BGAN ISDN	min.	4.59
Iridium ISDN	min.	10.28
Thuraya ISDN	min.	10.28
Satellite Phone Voice (SPS)	min.	4.59
IsatPhone Pro (GSPS)	min.	4.59
Other MSS Carriers ISDN	min.	10.28
Aero Voice ISDN	min.	10.28
SwiftBroadband Voice ISDN	min.	4.59
IP Streaming 8	min.	0.51
IP Streaming 16	min.	1.02
IP Streaming 24	min.	1.68
IP Streaming 32	min.	3.28
IP Streaming 64	min.	4.59
IP Streaming 128	min.	13.12
IP Streaming 256	min.	26.24

CS5 Inmarsat–Fleet One (Charging duration is per block of 15 seconds)

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

a) Shore-to-mobile

Services	SDR/min.
Fleet One Voice	3.07

b) Mobile-to-shore

Services	SDR/MB
Monthly Subscription fee (SDR)	116.64
Monthly MB Allowance	10.–

Services	Charge Unit	SDR
Voice (Mobile to Fixed)	min.	0.55
Voice (Mobile to Cellular)	min.	0.55
FB Voice	min.	0.55
BGAN Voice	min.	0.55
SwiftBroadband Voice	min.	0.55
Aero Voice	min.	3.57
Inmarsat Fleet	min.	1.82
Iridium Voice	min.	8.02
Thuraya Voice	min.	3.64
Satellite Phone Voice (SPS)	min.	1.46
IsatPhone Pro (GSPS)	min.	0.55
Other MSS Carriers Voice	min.	5.03
Voice mail	min.	0.55
SMS (per SMS)	SMS	0.36
Standard IP (per MB)	MB	11.66

Fleet One Notes:

1. Services not supported on Fleet One:
 - Streaming IP
 - Multi Voice
 - ISDN
2. Fleet One Global SIMs cannot be mixed with Fleet One Coastal SIMs.
3. Vessels provisioned on Fleet One SIMs:
 - must have a Maritime Mobile Security Identity (MMSI) (provided upon provisioning),
 - must receive the service using an Inmarsat type approved Fleet One Satellite Terminal, and
 - must not be Floating, Fixed Platform or Rig.
4. Fleet One Global is a single SIM plan, available for all vessels operating globally.

CS6 Inmarsat–Isatphone Pro (Charging duration is per block of 15 seconds)

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

a) Shore-to-mobile

Services	SDR/min.
ISATphone Voice	3.07

b) Mobile-to-shore

Services	SDR/min.
Monthly Subscription fee (SDR)	28.46
Monthly Allowance (min.)	10.–

Services	Charge Unit	SDR
Fixed v/f/d	min.	0.66
Cellular v/f/d	min.	0.79
Voicemail	min.	0.66
SMS (per SMS)	SMS	0.33
BGAN Voice	min.	0.73
FleetBroadband Voice	min.	0.73
SwiftBroadband Voice	min.	0.73
GSPS or SPS Voice	min.	0.82
Fleet/Swift Voice	min.	1.82
Aero Voice	min.	3.57
Iridium Voice	min.	8.02
Thuraya Voice	min.	3.64
Other MSS Carriers	min.	5.03

CS7 Iridium Plan (Charging duration is per block of 20 seconds)

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

a) Shore-to-mobile

Services	SDR/min.
Iridium - Voice	3.07
Iridium 2 Stage Dialing Data	1.45
Iridium 2 Stage Dialing Voice	1.45

b) Mobile-to-shore

Services	SDR/MB
Monthly Subscription fee (SDR)	38.20
Monthly MB Allowance	NA

Services	Charge Unit	SDR
Iridium - PSTN Data	min.	1.06
Iridium - PSTN Voice	min.	1.06
Iridium - PSTN (direct Internet)	min.	1.06
Iridium - Iridium Data	min.	1.06
Iridium - Iridium Voice	min.	0.69
Iridium - SMS (per SMS)	SMS	0.36
Iridium - Personal Mailbox Access	min.	0.60
Iridium - Other Satellite Data	min.	9.55
Iridium - Other Satellite Voice	min.	9.55

CS8 Iridium Open Port (Charging duration is per block of 20 seconds)

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

a) Shore-to-mobile

Services	SDR/min
Shore to Iridium Voice (+1 Number to Iridium)	0.84
Shore to Iridium Voice (Two-Stage to Iridium)	0.84
Iridium to Other Satellite Voice	8.53

b) Mobile-to-shore

Data Rate	Allowance (MB)	MRC SDR	Run On Charges SDR
128Kbps	0	50.01	14.47
	10	104.89	10.42
	25	174.35	7.24
	75	341.75	4.86
	200	579.30	3.19
	1000	1128.73	0.92

Services	SDR/kbps	
Voice (Iridium to Fixed)	min.	0.84
Voice (Iridium to Iridium)	min.	0.58
Voice Mail (Iridium to Voicemail)	min.	0.58

CS9 Global Express (Charging duration is per block of 15 seconds)

Charges applicable in the maritime mobile-satellite service via IOR SAS – Fucino, Italy and Nemea, Greece; AOR SAS – Winnipeg, Canada, Lino Lakes, Minnesota, USA;

POR SAS – Warkworth and Auckland, New Zealand

a) Shore-to-mobile

Services	SDR/min
Shore to GX/FX Voice	0.13

b) Mobile-to-shore

Services	Destinations	Charge Unit	SDR/min.
GX Voice to International Numbers	Zone 1	Min	0.32
	Zone 2	Min	0.69
	Zone 3	Min	1.39
	Zone 4	Min	2.26
	Zone 5	Min	5.56
	Zone 6	Min	12.16
	Interconnect to Zone 1	Min	0.24
GX Voice to Other Satellites	FX/GX Voice	Min	0.42
	FB Voice	Min	0.63
	BGAN Voice	Min	0.63
	Inmarsat IsatPhone Pro (GSPS)	Min	0.63
	SwiftBroadband Voice	Min	0.63
	Aero Voice	Min	4.01
	Swift 64 Voice	Min	2.06
	Other MSS Carriers Voice	Min	5.64
	Globalstar Voice	Min	6.54
	Iridium Voice	Min	9.00
Thuraya Voice	Min	4.10	
FB Voice (from GX ship)	Voice (Mobile to Fixed)	Min	0.35
	Voice (Mobile to Cellular)	Min	0.49
	Inmarsat FB Voice	Min	0.35
	BGAN Voice	Min	0.35
	FleetOne Voice	Min	0.35
	SwiftBroadband Voice	Min	0.35
	Aero Voice	Min	4.01
	Globalstar Voice	Min	6.54
	Iridium Voice	Min	9.00
	Thuraya Voice	Min	4.10
	Inmarsat IsatPhone Pro (GSPS)	Min	0.35
	Other MSS Carriers Voice	Min	5.64
	Voicemail	Min	0.35
	Swift 64 Voice	Min	2.06
Additional Call Service	International Networks-Fixed (88239)	Min	0.11
	International Networks-Fixed (883120)	Min	0.15
	Un-Fixed (888)	Min	0.21

CS10 Composition of destination zones

Voice for GX/FX

Zone 1	Zone 2	Zone 3	Zone 4	Zone 5
American Samoa	Andorra	Afghanistan	Albania	Ascension
Argentina*	Argentina (Cellular)	Angola	Algeria	Chad
Australia	Bahrain	Anguilla	Bosnia & Herzegovina	Comoros
Austria	Bermuda	Antigua & Barbuda	Burundi	Cook Islands
Bangladesh	Bhutan	Armenia	Cameroon	Diego Garcia
Belgium*	Bulgaria (Cellular)	Aruba	Central African Republic	Djibouti
Brazil	Cambodia	Azerbaijan	Congo	East Timor
Brunei	China	Bahamas	Cuba	Equatorial Guinea
Bulgaria*	Colombia	Barbados	Gabon	Falkland Islands
Canada	Costa Rica	Belarus	Guinea	Gambia
Chile	Croatia*	Belgium (Cellular)	Guinea Bissau	Greenland
Czech Republic	Cyprus	Belize	Ivory Coast	Kiribati
Denmark	Dominican Republic	Benin	Lesotho	Korea North
Finland	Ecuador*	Bolivia	Liberia	Laos
France	Egypt	Botswana	Libya	Latvia
Germany	Faroe Islands	British Virgin Islands	Lithuania	Madagascar
Greece*	Fiji	Burkina Faso	Macedonia	Maldives
Guadeloupe	French Guiana	Cape Verde	Malawi	Nauru
Guam	Gibraltar	Cayman Islands	Mauritania	New Caledonia
Hong Kong	Greece (Cellular)	Croatia (Cellular)	Montenegro	Niger
Iceland	Guatemala	Dominica	Morocco	Niue Island
India	Hungary	DR Congo	Papua New Guinea	Norfolk Island
Italy*	Indonesia	Ecuador (Cellular)	San Marino (Cellular)	Palau
Korea South	Iran	El Salvador	Senegal	Sao Tome and Principe
Luxembourg	Ireland	Eritrea	Sierra Leone	Seychelles
Malaysia	Italy (Cellular)	Estonia	Somalia	Solomon Islands
Martinique	Japan	Ethiopia	Tanzania	St. Helena
Mexico	Jordan	French Polynesia	Tunisia	Tokelau
Mongolia	Kazakhstan	Georgia	Uganda	Tonga
Netherlands	Kuwait	Ghana	Zambia	Tuvalu
New Zealand	Lebanon	Grenada		Vanuatu
Pakistan	Malta	Guyana		Wallis & Futuna
Panama*	Mauritius	Haiti		Western Samoa
Peru*	Mayotte Islands	Honduras		
Puerto Rico	Myanmar	Iraq		
Romania	Namibia	Israel		
Russia*	Nepal	Jamaica		
San Marino*	Nigeria	Kenya		
Singapore	Norway	Kyrgyzstan		
Slovenia*	Panama (Cellular)	Liechtenstein		
South Africa	Paraguay	Macau		
Spain	Peru (Cellular)	Mali		
St. Pierre and Miquelon	Philippines	Monaco		
Sweden	Poland	Northern Mariana Island		
Switzerland*	Portugal	Marshall Islands		
Taiwan*	Reunion	Micronesia		
Thailand	Russia (Cellular)	Moldova		
Turkey*	Saudi Arabia	Montserrat		
United Kingdom	Slovakia	Mozambique		
US Virgin Islands	Slovenia (Cellular)	Nicaragua		
USA	Sri Lanka	Oman		
USA Hawaii	Swaziland	Palestine		
Vatican City	Switzerland (Cellular)	Qatar		
Venezuela	Syria	Rwanda		
	Taiwan (Cellular)	Serbia and Montenegro		
	Trinidad & Tobago	St. Kitts and Nevis		
	Turkey (Cellular)	St. Lucia		
	Turkmenistan	St. Vincent and The Grenadines		
	Ukraine*	Sudan		
	United Arab Emirates	Suriname		
	Uruguay	Tajikistan		
	Uzbekistan	Togo		
	Vietnam	Turks & Caicos Islands		
	Yemen	Zimbabwe		
		Ukraine (Cellular)		
				Zone 6
				Antarctica
*Outbound calls to Publically Switched Terrestrial Network (PSTN) only. Outbound calls terminating on Cellular Networks have a different charge and are mapped to a different Zone.				

CS11 TracPhone V7HTS AgilePlans Packages

(Select one package each from Part One and Part Two)

Part One - Select High Speed Rate Plan:

	MRC (SDR)	Data/mth	Price/MB (SDR)
V7H2-AP500MB	555	500 MB	0.69
V7H2-AP2GB	694	2 GB	0.35
V7H2-AP5GB	902	5 GB	0.24
V7H2-AP10GB	1111	10 GB	0.17
V7H2-AP20GB	1389	20 GB	0.14
V7H2-AP40GB	2222	40 GB	0.10

Part Two - Select Unlimited Use Rate Plan:

(Data Speed: Maximum Info Rate (MIR) Only)

	MRC (SDR)	SHORE-TO-SHIP	SHIP-TO-SHORE
V7H2-APUL1	FREE	128 Kbps	64 Kbps
V7H2-APUL2	313	256 Kbps	64 Kbps
V7H2-APUL3	764	512 Kbps	128 Kbps
V7H2-APUL4	1354	1024 Kbps	256 Kbps
V7H2-APUL5	2327	2048 Kbps	512 Kbps
V7H2-APUL6	4063	4096 Kbps	1024 Kbps
V7H2-APUL7	7536	8192 Kbps	2048 Kbps

CS12 Inmarsat-C/FleetBroadband/Fleet One/Isatphone Pro/Iridium Legacy/Iridium Open Port/TracPhone V7HTS

**List of Issuer Identifier Numbers for
the International Telecommunication Charge Card
(in accordance with Recommendation ITU-T E.118 (05/2006))
(Position on 1 December 2018)**

(Annex to ITU Operational Bulletin No. 1161 – 1.XII.2018)
(Amendment No. 50)

French Guiana ADD

<i>Country/ geographical area</i>	<i>Company Name/Address</i>	<i>Issuer Identifier Number</i>	<i>Contact</i>	<i>Effective date of usage</i>
French Guiana	Outremer Telecom ZI La Jambette 97200 FORT DE FRANCE	89 594 02	Numerotation, Outremer Telecom Altice CAMPUS – bat ouest – CS 68217 16 rue du Général Alain de Boissietu 75741 PARIS Cedex 15 (France) E-mail: numerotation@outremer- telecom.fr	22.VI.2020

Guadeloupe ADD

<i>Country/ geographical area</i>	<i>Company Name/Address</i>	<i>Issuer Identifier Number</i>	<i>Contact</i>	<i>Effective date of usage</i>
Guadeloupe	Outremer Telecom ZI La Jambette 97200 FORT DE FRANCE	89 590 02	Numerotation, Outremer Telecom Altice CAMPUS – bat ouest – CS 68217 16 rue du Général Alain de Boissietu 75741 PARIS Cedex 15 (France) E-mail: numerotation@outremer- telecom.fr	22.VI.2020

Martinique ADD

<i>Country/ geographical area</i>	<i>Company Name/Address</i>	<i>Issuer Identifier Number</i>	<i>Contact</i>	<i>Effective date of usage</i>
Martinique	Outremer Telecom ZI La Jambette 97200 FORT DE FRANCE	89 596 02	Numerotation, Outremer Telecom Altice CAMPUS – bat ouest – CS 68217 16 rue du Général Alain de Boissietu 75741 PARIS Cedex 15 (France) E-mail: numerotation@outremer- telecom.fr	22.VI.2020

**Mobile Network Codes (MNC) for the international identification plan
for public networks and subscriptions
(According to Recommendation ITU-T E.212 (09/2016))
(Position on 15 December 2018)**

(Annex to ITU Operational Bulletin No. 1162 - 15.XII.2018)
(Amendment No. 56)

<i>Country/Geographical area</i>	<i>MCC+MNC *</i>	<i>Operator/Network</i>
Bermuda ADD		
	350 007	Paradise Mobile
Switzerland LIR		
	228 08	Sunrise Communications AG
International Mobile, shared code ADD		
	901 80	Flo Live Limited
	901 81	Airnity SAS

* 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. 117)

<i>Country or area/ISO code Company Name/Address</i>	<i>Company Code (carrier code)</i>	<i>Contact</i>
Germany (Federal Republic of) / DEU	ADD	
Arton Binakaj Südwest Kommunikation Riegeler Str. 2 D-79111 FREIBURG/Br.	SWKOM	Mr Arton Binakaj Tel.: +49 761 8878 9760 Fax: +49 761 8878 9780 Email: office@suedwest-kommunikation.de
DIDWW Ireland Limited 10/13 Thomas Street IE DUBLIN 8, D08PX8H Ireland	DIDWW	Mrs Inga Urbiete Tel.: +35 3190 15295 Email: inga.u@didww.com
Gemeindewerke Holzkirchen GmbH Industriestr. 8 D-83607 HOLZKIRCHEN	138820	Mr Peter Schlickerieder Tel.: +49 8024 904424 Fax: +49 8024 904465 Email: schlickerieder@gw-holzkirchen.de
nfon AG Bulk-Account Machtlfinger Strasse 7 D-81379 MUNICH	FLNFFON	Mr Paul Gardzielewski Tel.: +49 89 45300 199 Fax: +49 89 45300 33199 Email: paul.gardzielewski@nfon.com
Stadtwerke Bad Nauheim GmbH Hohe Straße 14 - 18 D-61231 BAD NAUHEIM	SWBN	Mr Sascha Kammer Tel.: +49 6032 807152 Email: s.kammer@stadtwerke-bad-nauheim.de
Stadtwerke Freudenstadt GmbH & Co.KG Reichsstrasse 9 D-72250 FREUDENSTADT	SWFDS	Mr Ruben Frey Tel.: +49 7441 921 271 Fax: +49 7441 921 498 Email: ruben.frey@sw-freudenstadt.de
Stadtwerke Görlitz AG Demianiplatz 23 D-02826 GOERLITZ	SWGAG	Mr Kai Vogt Tel.: +49 3581 335216 Fax: +49 3581 335425 Email: kai.vogt@stadtwerke-goerlitz.de
Tim Jung Tastenhauer Potsdamer Platz 10 D-10785 BERLIN	TASTEN	Mr Tim Jung Tel.: +49 30 5771444 0 Fax: +49 30 5771444 99 Email: info@tastenhauer.net

List of Signalling Area/Network Codes (SANC)
(Complement to Recommendation ITU-T Q.708 (03/1999))
(Position on 1 June 2017)

(Annex to ITU Operational Bulletin No. 1125 – 1.VI.2017)
 (Amendment No. 16)

Numerical order ADD

7-209 Switzerland (Confederation of)

Alphabetical order ADD

7-209 Switzerland (Confederation 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 July 2020)

(Annex to ITU Operational Bulletin No. 1199 – 1.VII.2020)
 (Amendment No. 17)

*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>
Switzerland LIR			
2-062-5	4597	Zürich	Sunrise Communications AG
United States SUP			
3-038-2	6450	Miami (1), FL	Go2Tel.com, Inc
3-058-3	6611	New York, NY	I-21 USA Inc

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 15.V.2021, the following countries/geographical areas have updated their national numbering plan on our site:

<i>Country/ Geographical area</i>	<i>Country Code (CC)</i>
Morocco	+212