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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.

- 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 (03/99)) (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)
- 1109 List of International Signalling Point Codes (ISPC) (According to Recommendation ITU-T Q.708 (03/99)) (Position on 1 October 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.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)) (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 (03/98)) (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-71, it was announced that the following ITU-T Recommendations were approved, in accordance with the procedures outlined in Recommendation ITU-T A.8:

- ITU-T F.740.1 (11/2019): Requirements for an information service of objects in museums
- ITU-T F.743 (V2) (11/2019): Requirements and service description for visual surveillance
- ITU-T F.743.10 (11/2019): Requirements for mobile edge computing enabled content delivery networks
- ITU-T F.749.11 (11/2019): Requirements of civilian unmanned aerial vehicles enabled mobile edge computing
- ITU-T G.9701 (2019) Cor. 1 (11/2019)
- ITU-T G.9701 (2019) Amd. 1 (11/2019)
- ITU-T H.222.0 (2018) Amd. 1 (11/2019): Carriage of JPEG XS in MPEG-2 TS
- ITU-T H.222.0 (2018) Cor. 1 (11/2019): Correction of stream_type value
- ITU-T H.265 (V7) (11/2019): High efficiency video coding
- ITU-T H.430.4 (11/2019): Service configuration, media transport protocols, signalling information of MMT for Immersive Live Experience (ILE) systems
- ITU-T H.626 (V2) (11/2019): Architectural requirements for visual surveillance
- ITU-T H.629.1 (11/2019): Scenarios, framework and metadata for digitalized artwork images display system
- ITU-T H.644.2 (11/2019): Virtual content delivery network: Network virtualization
- ITU-T H.753 (11/2019): Scene-based metadata for IPTV services
- ITU-T H.764 V2 (11/2019): IPTV services enhanced script language
- ITU-T H.810 (V5) (11/2019): Interoperability design guidelines for personal connected health systems: Introduction
- ITU-T H.813 (11/2019): Interoperability design guidelines for personal connected health systems: Healthcare Information System interface
- ITU-T H.830.15 (11/2019): Conformance of ITU-T H.810 personal health system: Services interface Part 15: FHIR Observation Upload: Health & Fitness Service sender
- ITU-T H.842 (11/2019): Conformance of ITU-T H.810 personal health system: Personal Health Devices interface Part 2: Optimized Exchange Protocol: Personal Health Gateway
- ITU-T H.844 (11/2019): Conformance of ITU-T H.810 personal health system: Personal Health Devices interface Part 4: Continua Design Guidelines: Personal Health Gateway
- ITU-T H.845.17 (11/2019): Conformance of ITU-T H.810 personal health system: Personal Health Devices interface Part 5Q: Power status monitor
- ITU-T H.846 (11/2019): Conformance of ITU-T H.810 personal health system: Personal Health Devices interface Part 6: Personal Health Gateway
- ITU-T H.850 (11/2019): Conformance of ITU-T H.810 personal health system: Personal Health Devices interface Part 10: Transcoding for Bluetooth Low Energy: Personal Health Gateway - General requirements
- ITU-T H.850.6 (11/2019): Conformance of ITU-T H.810 personal health system: Personal Health Devices interface Part 10F: Transcoding for Bluetooth Low Energy: Personal Health Gateway - Pulse oximeter
- ITU-T H.850.7 (11/2019): Conformance of ITU-T H.810 personal health system: Personal Health Devices interface Part 10G: Transcoding for Bluetooth Low Energy: Personal Health Gateway – Continuous glucose monitoring
- ITU-T H.862.0 (11/2019): Requirements and framework for ICT sleep management service models
- ITU-T X.1401 (11/2019): Security threats of distributed ledger technology

Telephone Service (Recommendation ITU-T E.164)

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

Denmark (country code +45)

Communication of 19.XI.2019:

The *Danish Energy Agency*, Copenhagen, announces the following updates to the national numbering plan of Denmark:

- Assignment – Fixed communication services

<i>Provider</i>	<i>Numbering series</i>	<i>Date of assignment</i>
Uni-tel A/S	5458efgh	19.XI.2019

- Assignment – Mobile communication services

<i>Provider</i>	<i>Numbering series</i>	<i>Date of assignment</i>
Uni-tel A/S	3820efgh	19.XI.2019

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Gambia (country code +220)

Communication of 26.XI.2019:

The *Gambia Public Utilities Regulatory Authority (PURA)*, Serrekunda, announces the following updated National Numbering Plan (NNP) for The Gambia.

<i>Usage</i>	<i>Service</i>	<i>1st Digit B</i>	<i>2nd Digit P</i>	<i>3rd Digit Q</i>	<i>Other Digits MCDU</i>	<i>Remarks</i>
International access	International access	0	X	X	XXXX	
Short codes	Special services	1	X	X	XXXX	
AFRICELL	MOBILE	2	X	X	XXXX	
QCELL	MOBILE	3	X	X	XXXX	
GAMTEL	PSTN	4	X	X	XXXX	
QCELL	MOBILE	5	0	X	XXXX	
QCELL	MOBLIE	5	1	X	XXXX	
QCELL	MOBILE	5	2	X	XXXX	
QCELL	MOBILE	5	3	X	XXXX	
GAMTEL	PSTN	5	6	X	XXXX	
GAMTEL	PSTN	5	7	X	XXXX	
QCELL	MOBILE	5	8	X	XXXX	
QCELL	MOBILE	5	9	X	XXXX	
COMIUM	MOBILE	6	X	X	XXXX	
AFRICELL	MOBILE	7	X	X	XXXX	
GAMTEL	CDMA Fixed/wireless	8	X	X	XXXX	
GAMCEL	MOBILE	9	X	X	XXXX	

Fixed service

<i>Locality</i>	<i>Current number series</i>	<i>Number length</i>	<i>Operator</i>
BAJA KUNDA	566 XXXX	seven digits	GAMTEL
BAKAU	449 XXXX	seven digits	GAMTEL
BANJUL	42X XXXX	seven digits	GAMTEL
BANSANG	567 4XXX	seven digits	GAMTEL
BARRA	571 0XXX	seven digits	GAMTEL
BASSE	566 XXXX	seven digits	GAMTEL
BERENDING	441 95XX	seven digits	GAMTEL
BONDALI	448 0XXX	seven digits	GAMTEL
BRIKAMA	448 XXXX	seven digits	GAMTEL
BRIKAMA-BA	567 8XXX	seven digits	GAMTEL
BRUFUT	441 0XXX	seven digits	GAMTEL
BUNDUNG	43X XXXX	seven digits	GAMTEL
BURENG	554 4XXX	seven digits	GAMTEL
BWIAM	448 9XXX	seven digits	GAMTEL
FARABA	448 7XXX	seven digits	GAMTEL
FARAFENNI	573 5XXX	seven digits	GAMTEL
FATOTO	566 XXXX	seven digits	GAMTEL
GAMBISARA	566 XXXX	seven digits	GAMTEL
GEORGETOWN	567 6XXX	seven digits	GAMTEL
GARAWOL	566 XXXX	seven digits	GAMTEL
GUNJUR	448 6XXX	seven digits	GAMTEL
ILIASA	572 5XXX	seven digits	GAMTEL
JAPENEH	554 3XXX	seven digits	GAMTEL
JARENG	554 7XXX	seven digits	GAMTEL
KAFUTA	448 5XXX	seven digits	GAMTEL
KAIAF	554 0XXX	seven digits	GAMTEL
KANILIA	448 XXXX	seven digits	GAMTEL
KARTONG	441 9XXX	seven digits	GAMTEL
KAUR	574 8XXX	seven digits	GAMTEL
KEREWAN	572 0XXX	seven digits	GAMTEL
KOTU	446 XXXX	seven digits	GAMTEL
KUDANG	554 6XXX	seven digits	GAMTEL
KUNTAUR	566 5XXX	seven digits	GAMTEL
KWENELLA	554 1XXX	seven digits	GAMTEL
MISERA	566 XXXX	seven digits	GAMTEL
NDUGUKEBBE	571 4XXX	seven digits	GAMTEL
NGENSANJAL	573 8XXX	seven digits	GAMTEL
NJABAKUNDA	572 3XXX	seven digits	GAMTEL
NUMEYEL	566 6XXX	seven digits	GAMTEL
NYOROJATTABA	554 2XXX	seven digits	GAMTEL
PAKALIBA	554 5XXX	seven digits	GAMTEL
SAMBAKUNDA	566 XXXX	seven digits	GAMTEL

<i>Locality</i>	<i>Current number series</i>	<i>Number length</i>	<i>Operator</i>
SANYANG	441 7XXX	seven digits	GAMTEL
SENEGAMBIA	446 XXXX	seven digits	GAMTEL
SEREKUNDA	43X XXXX	seven digits	GAMTEL
SIBANOR	448 8XXX	seven digits	GAMTEL
SOMA	553 XXXX	seven digits	GAMTEL
SOTUMA	567 XXXX	seven digits	GAMTEL
SUDOWOL	566 XXXX	seven digits	GAMTEL
TANJI	441 2XXX	seven digits	GAMTEL
TUJERENG	441 6XXX	seven digits	GAMTEL
YUNDUM	447 XXXX	seven digits	GAMTEL
Fixed/Wireless (CDMA)	8XX XXXX	seven digits	GAMTEL

Fixed/wireless(Internet)	4414xxx	Seven digits	GAMTEL
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- Mobile service

<i>Service</i>	<i>Number series</i>	<i>Number length</i>	<i>Operator</i>
Mobile GSM/3G/4G	30X XXXX	seven digits	QCELL
	31X XXXX	seven digits	QCELL
	32X XXXX	seven digits	QCELL
	33X XXXX	seven digits	QCELL
	34X XXXX	seven digits	QCELL
	35X XXXX	seven digits	QCELL
	36X XXXX	seven digits	QCELL
	37X XXXX	seven digits	QCELL
	38X XXXX	seven digits	QCELL
	39X XXXX	seven digits	QCELL
	50X XXXX	seven digits	QCELL
	51X XXXX	seven digits	QCELL
	52X XXXX	seven digits	QCELL
	53X XXXX	seven digits	QCELL
	58X XXXX	seven digits	QCELL
	59X XXXX	seven digits	QCELL
Mobile GPRS	60X XXXX	seven digits	COMIUM
	61X XXXX	seven digits	COMIUM
	62X XXXX	seven digits	COMIUM
	63X XXXX	seven digits	COMIUM
	64X XXXX	seven digits	COMIUM
	65X XXXX	seven digits	COMIUM
	66X XXXX	seven digits	COMIUM
	67X XXXX	seven digits	COMIUM
	68X XXXX	seven digits	COMIUM
69X XXXX	seven digits	COMIUM	
Mobile GSM/3G/4G	20X XXXX	seven digits	AFRICELL
	21X XXXX	seven digits	AFRICELL
	22X XXXX	seven digits	AFRICELL
	23X XXXX	seven digits	AFRICELL
	24X XXXX	seven digits	AFRICELL

<i>Service</i>	<i>Number series</i>	<i>Number length</i>	<i>Operator</i>
	25X XXXX	seven digits	AFRICELL
	26X XXXX	seven digits	AFRICELL
	27X XXXX	seven digits	AFRICELL
	28X XXXX	seven digits	AFRICELL
	29X XXXX	seven digits	AFRICELL
	70X XXXX	seven digits	AFRICELL
	71X XXXX	seven digits	AFRICELL
	72X XXXX	seven digits	AFRICELL
	73X XXXX	seven digits	AFRICELL
	74X XXXX	seven digits	AFRICELL
	75X XXXX	seven digits	AFRICELL
	76X XXXX	seven digits	AFRICELL
	77X XXXX	seven digits	AFRICELL
	78X XXXX	seven digits	AFRICELL
	79X XXXX	seven digits	AFRICELL
MOBILE-GSM/3G	90X XXXX	seven digits	GAMCEL
	91X XXXX	seven digits	GAMCEL
	92X XXXX	seven digits	GAMCEL
	93X XXXX	seven digits	GAMCEL
	94X XXXX	seven digits	GAMCEL
	95X XXXX	seven digits	GAMCEL
	96X XXXX	seven digits	GAMCEL
	97X XXXX	seven digits	GAMCEL
	98X XXXX	seven digits	GAMCEL
	99X XXXX	seven digits	GAMCEL

International dialling format: +220 XXX XXXX
Communication of 13.XI.2018:

The *Gambia Public Utilities Regulatory Authority (PURA)*, Serrekunda, has observed with great concern the usage of Gambian telephone numbers with country code 220 by illegal service providers to indulge into certain malpractices including but not limited to fraud and adult services.

In this vein, PURA, therefore wishes to announce of such malpractices and consequently urges all Operators/Service providers to ensure all numbers dialled with The Gambian Country Code are routed to The Gambia and must not be terminated in any other country.

All stakeholders are thus, kindly requested to instruct their Operators/Service Providers to route all Gambian numbers to Gambia via the international network and not to Premium Rate service providers.

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Morocco (country code +212)

Communication of 21.XI.2019:

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

- Description of introduction of new resource for national E.164 numbering plan for country code +212:

NDC (national destination code) or leading digits of N(S)N (national (significant) number)	N(S)N number length		Usage of ITU-T E.164 number	Additional information
	Maximum length	Minimum length		
5220	9	9	Fixed telephone networks	Itissalat Al-Maghrib ¹
5230	9	9	Fixed telephone networks	Itissalat Al-Maghrib
5231	9	9	Fixed telephone networks	Itissalat Al-Maghrib
5280	9	9	Fixed telephone networks	Itissalat Al-Maghrib
52910	9	9	Fixed telephone networks	Wana Corporate ²
52929	9	9	Fixed telephone networks	Wana Corporate
5360	9	9	Fixed telephone networks	Itissalat Al-Maghrib
5364	9	9	Fixed telephone networks	Itissalat Al-Maghrib
5370	9	9	Fixed telephone networks	Itissalat Al-Maghrib
5371	9	9	Fixed telephone networks	Itissalat Al-Maghrib

- Description of number change for national ITU-T E.164 numbering plan for country code +212:

Communicated time and date of change	N(S)N		Usage of E.164 number	Parallel running		Operator	Proposed wording of announcement
	Old number	New number		Begins	Ends		
--	6920	8920	GMPCS	--	--	Al Hourria Telecom ³	--
--	6921	8921	GMPCS	--	--	Al Hourria Telecom	--
--	6922	8922	GMPCS	--	--	Al Hourria Telecom	--

1: Maroc Telecom

2: INWI

3: GlobalStar North Africa

Contact:

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Agence Nationale de Réglementation des Télécommunications (ANRT)
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Morocco
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URL: www.anrt.ma

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 – 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 2019
(Amendment No. 1)*

MNE Montenegro

SUP note AAIC

(Amendment No. 2)

ROU Romania

SUP note AAIC

(Amendment No. 3)

GRL Greenland

Note B **LIR**

B Radiotelegrams

1. Land station charge: 0.09 SDR per word.
2. Landline charge (binary system):

- a) Denmark, Faroe and Greenland
- b) Northern Africa, Geographical Europe and parts of Russian Federation.....
- c) Other countries

Per radio-telegram SDR	Per word SDR
6.15	0.13
6.15	0.17
6.15	0.33

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

(Amendment No. 4)

SNG Singapore

SUP CS4 and CS5

Notes CS2, CS3, CS6 to CS12, CS14 and CS15 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
0.20	0.20	0.20	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)		0.20
Inmarsat-C to Inmarsat-C (AORE/AORW)		0.35
Inmarsat-C to Inmarsat-F77	0.63	
Inmarsat-C to BGAN and FleetBroadband	0.66	

2. PSDN (mobile-to-shore)

a) Singapore: 0.20SDR/256 bits.

b) Other countries: 0.21 SDR/256 bits.

3. CPLUS charges

a) Shore-to-mobile

– Messaging: 0.19 SDR/256 bits.

– SafetyNET: 0.10 SDR/256 bits.

– FleetNET: 0.48 SDR/256 bits.

– Polling with text: 0.48 SDR/256 bits.

– Polling without text: 0.24 SDR/poll.

b) Mobile-to-shore (charged to mobile)

Data reporting: 0.04 SDR/packet (landline charges applicable to automatic delivery).

- CS3 Inmarsat–Fleet F77** (Charging duration is per block of 15 seconds) and Fleet F77 (ISDN) (per 10 seconds)
Charges applicable in the maritime mobile-satellite service via Burum and Perth coast earth stations.
- a) Shore to Mobile

Services	SDR/min.	
	Voice	ISDN
Inmarsat – Fleet (voice) Global	3.07	
Inmarsat – Fleet (ISDN) Global		7.08

- b) Mobile-to-shore

SDR/min.			
Voice	Fax/Data		ISDN
All Time	2.4 kbps	9.6 kbps	
3.73	2.30	5.35	16.35

- c) Mobile-to-mobile

Services	SDR/min.				
	Voice	Fax/Data			ISDN
	All Time	2.4 kbps		9.6 kbps	
		Peak hours*	Off-peak hours*		
Fleet 77 to Inmarsat–F77	8.71	9.45	8.18	12.17	25.29
Fleet 77 to F77 (ISDN)	14.35	15.57		18.17	32.34
Fleet 77 to Iridium	13.13	14.24		14.54	44.35
Fleet 77 to BGAN	6.01	4.53		8.11	21.64
Fleet 77 to FB	6.01	4.53		8.11	21.64
Fleet 77 to BGAN (ISDN)	13.56	12.71		16.47	33.66
Fleet 77 to FB (ISDN)	13.56	12.71		16.47	33.66

- CS6 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.	2.19
SwiftBroadband Voice	min.	0.55
Inmarsat Fleet/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
Globalstar Voice	min.	5.84
Thuraya Voice	min.	3.65
Other MSS Carriers	min.	5.03
SMS (per SMS)	MSG	0.36
Standard IP (per MB)	Mbyte	5.84
32kbps Streaming IP	min.	2.63
64kbps Streaming IP	min.	5.03
128kbps Streaming IP	min.	8.75
176kbps Streaming IP	min.	12.40
256kbps Streaming IP	min.	15.10
X-Stream Streaming IP	min.	21.16
BGAN HRD Half Channel/64K	min.	15.10
BGAN HRD Half Channel Symmetric	min.	20.43
BGAN HRD Full Channel/64K	min.	23.34
BGAN HRD Full Channel Symmetric	min.	27.72
ISDN / 3.5 kHz Audio	min.	5.11
FleetBroadband ISDN	min.	5.11
BGAN ISDN	min.	5.11
Inmarsat Fleet/Swift HSD	min.	11.67
Satellite Phone Service (SPS) ISDN	min.	5.11
IsatPhone Pro (GPS) ISDN	min.	5.11
Iridium ISDN	min.	11.67
Globalstar ISDN	min.	11.67
Thuraya ISDN	min.	11.67
Other MSS Carriers ISDN	min.	11.67
Inmarsat Fleet Voice ISDN	min.	11.67
Aero Voice ISDN	min.	11.67
SwiftBroadband ISDN	min.	5.11

CS7 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)	314.–
Monthly Inbundle MB Allowance	25.–

Services	Charge Unit	SDR
Voice (Mobile to Fixed)	min.	0.71
Voice (Mobile to Cellular)	min.	0.71
Inm FB voice (Includes FleetOne)	min.	0.64
BGAN voice	min.	0.64
SwiftBroadband Voice	min.	0.64
Aero Voice	min.	3.28
Inm Fleet	min.	1.68
Globalstar voice	min.	5.22
Iridium voice	min.	7.18
Thuraya voice	min.	3.28
Inm Satellite Phone voice (SPS)	min.	1.31
Inm ISATPhone Pro (GSPS)	min.	0.51
Other MSS carriers voice	min.	4.52
Voicemail	min.	0.57
FleetXpress / Global Xpress	min.	0.77
SMS	sms	0.36
Standard IP	MB	17.75
ISDN (Mobile to Fixed)	min.	4.60
Inm Fleet HSD (ISDN)	min.	10.29
Inm FB ISDN	min.	4.60
BGAN ISDN	min.	4.60
Iridium ISDN	min.	10.29
Globalstar ISDN	min.	10.29
Thuraya ISDN	min.	10.29
Inm Satellite Phone voice (SPS)	min.	4.60
Inm ISATPhone Pro (GSPS)	min.	4.60
Other MSS carriers ISDN	min.	10.29
Inm Fleet	min.	10.29

...(Cont.)

Services	Charge Unit	SDR
<i>...(Cont.)</i>		
Aero Voice	min.	10.29
SwiftBroadband Voice	min.	4.60
8kbps Streaming IP	min.	0.51
16kbps Streaming IP	min.	1.02
24kbps Streaming IP	min.	1.68
32kbps Streaming IP	min.	3.28
64kbps Streaming IP	min.	4.60
128kbps Streaming IP	min.	13.13
256kbps Streaming IP	min.	26.26

CS8 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)	116.72
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
Globalstar Voice	min.	5.84
Iridium Voice	min.	8.02
Thuraya Voice	min.	3.65
Satellite Phone Voice (SPS)	min.	1.46
IsatPhone Pro (GSPS)	min.	0.55
Other MSS Carriers Voice	min.	5.03
Voicemail	min.	0.55
SMS (per SMS)	SMS	0.36
Standard IP (per MB)	MB	11.67

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.

CS9 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)	40.12
Monthly Allowance (min.)	10.–

Services	Charge Unit	SDR
Fixed v/f/d	min.	0.67
Cellular v/f/d	min.	0.80
Voicemail	min.	0.67
SMS (per SMS)	Msg	0.33
BGAN Voice	min.	0.67
FleetBroadband Voice	min.	0.67
SwiftBroadband Voice	min.	0.67
GSPS or SPS Voice	min.	0.87
Inmarsat GAN/Fleet/Swift Voice	min.	1.67
Inmarsat Aero Voice	min.	3.28
Iridium Voice	min.	7.36
Thuraya Voice	min.	3.34
Other MSS Carriers	min.	4.61

CS10 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)	40.12
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.	9.56
Iridium - Other Satellite Voice	min.	9.56

CS11 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

Services	SDR/kbps		
Data Rate (kbps)	32.–	64.–	128.–
Monthly Data Subscription fee	43.77	43.77	43.77
Data Run-On Charges	10.94	11.56	12.16

Services	Charge Unit	SDR/min
Voice (Iridium to Fixed)	min.	0.84
Voice (Iridium to Iridium)	min.	0.58
Voice Mail (Iridium to Voicemail)	min.	0.58
Voice (Iridium to Other Satellite)	min.	8.54

CS12 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	3.07

b) Mobile-to-shore

Services	Destinations	Charge Unit	SDR/min.
GX Voice to International Numbers	Zone 1	min.	0.34
	Zone 2	min.	0.73
	Zone 3	min.	1.46
	Zone 4	min.	2.38
	Zone 5	min.	5.84
	Zone 6	min.	12.77
	Interconnect to Zone 1	min.	0.26
GX Voice to Other Satellites	FX/GX Voice	min.	0.44
	FB Voice	min.	0.66
	BGAN Voice	min.	0.66
	Inmarsat IsatPhone Pro (GSPS)	min.	0.66
	SwiftBroadband Voice	min.	0.66
	Aero Voice	min.	4.22
	Fleet Voice	min.	2.16
	Swift 64 Voice	min.	2.16
	Other MSS Carriers Voice	min.	5.92
	Globalstar Voice	min.	6.87
	Iridium Voice	min.	9.45
Thuraya Voice	min.	4.30	
FB Voice (from GX ship)	Voice (Mobile to Fixed)	min.	0.36
	Voice (Mobile to Cellular)	min.	0.51
	Inmarsat FB Voice	min.	0.36
	BGAN Voice	min.	0.36
	FleetOne Voice	min.	0.36
	SwiftBroadband Voice	min.	0.36
	Aero Voice	min.	4.22
	Inmarsat Fleet	min.	2.16
	Globalstar Voice	min.	6.87
	Iridium Voice	min.	9.45
	Thuraya Voice	min.	4.30
	Inmarsat IsatPhone Pro (GSPS)	min.	0.36
	Other MSS Carriers Voice	min.	5.92
	Voicemail	min.	0.36
	Swift 64 Voice	min.	2.16

Services	Destinations	Charge Unit	SDR/min.
Additional Call Service	International Networks-Fixed (88239)	min.	0.12
	International Networks-Fixed (883120)	min.	0.16
	Un-Fixed (888)	min.	0.22

CS14 Peak and off peak hours
Inmarsat–Fleet (Fleet Fax/Data 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

CS15 Inmarsat-C/Fleet77/FleetBroadband/Fleet One/Isatphone Pro/Iridium Legacy/Iridium Open Port/Global Express.

**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. 19)

Bulgaria 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>
Bulgaria	CONCORD SMART INFRASTRUCTURE AD PIC 205612035 90 Tzarigradsko shoee blvd SOFIA	89 359 23	Kiril Gueorguiev 90 Tzarigradsko shose blvd SOFIA Tel.: +359 882 413 822 E-mail: kiril.gueorguiev@gmail.com	1.XII.2019

**List of Recommendation ITU-T E.164 assigned Country Codes
(Complement to Recommendation ITU-T E.164 (11/2010))
(Position on 15 December 2016)**

(Annex to ITU Operational Bulletin No. 1114 – 15.XII.2016)
(Amendment No. 12)

country code **888** LIR

<i>Country code</i>	<i>Country, Geographical area or Global service</i>	<i>Note</i>
888	Humanitarian purposes	k, t

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

- k United Nations Office of the Coordinator for Humanitarian Affairs (OCHA)
- t Reserved pending further studies.

**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. 22)

<i>Country/Geographical area</i>	<i>MCC+MNC *</i>	<i>Operator/Network</i>
Canada ADD		
	302 550	Star Solutions International Inc.
	302 721	Rogers Communications Canada Inc. (Wireless)
International Mobile, shared code LIR		
	901 88	UN Office for the Coordination of Humanitarian Affairs (OCHA) - Reserved

* 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. 89)

<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		
ELBFIBER Netzwerkinfrastrukturen UG (haftungsbeschränkt) Kirchenstege 4 D-21039 HAMBURG	ELBFIB	Mr Fabian Alexander Hars Tel.: +49 40 3346936 0 Fax: +49 40 3346936 99 Email: info@elbfiber.com
HDone GmbH Cloud Services Schmelzofenvorstadt 33 D-89520 HEIDENHEIM	HDONE	Mr Alexander Bechtold Tel.: +49 7321 91197 0 Fax: +49 7321 91197 99 Email: info@hdone.com
Timo Jung Streamworx Edisonstrasse 63 D-12459 BERLIN	STWX	Mr. Timo Jung Tel.: +49 30 863221 380 Fax: +49 30 863221 381 Email: numbering@streamworx.net
Germany (Federal Republic of) / DEU		
LIR		
Kabelfernsehen München ServiCenter GmbH Dieselstrasse 1 D-85774 UNTERFOEHRING	TCKMSG	Mr Andreas Gaertig Tel: +49 341 60 952 445 Fax: +49 341 60 952 903 E-mail: andreas.gaertig@pyur.com

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.XI.2019, the following countries/geographical areas have updated their national numbering plan on our site:

<i>Country/ Geographical area</i>	<i>Country Code (CC)</i>
Burkina Faso	+226
Morocco	+212
Trinidad and Tobago	+1 868