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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.

- 1251 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 September 2022)
- 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)
- 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-25, 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 L.1061 (03/2023): Circular public procurement of information and communication technologies
- ITU-T L.1400 (03/2023): Overview and general principles of methodologies for assessing the environmental impact of information and communication technologies
- ITU-T Y.3140 (03/2023): Service brokering network framework for Trusted Reality
- ITU-T Y.4219 (03/2023): Accessibility requirements for user interface of smart applications supporting IoT
- ITU-T Y.4220 (03/2023): Requirements and capability framework of abnormal event detection system for smart home
- ITU-T Y.4485 (03/2023): Requirements and Reference Architecture of Smart Education
- ITU-T Y.4486 (03/2023): Framework of cross edge decentralized service by using DLT and edge computing technologies for IoT devices
- ITU-T Y.4560 (03/2023): Blockchain-based data exchange and sharing for supporting Internet of things and smart cities and communities
- ITU-T Y.4602 (03/2023): Data processing and management framework for IoT and smart cities and communities
- ITU-T Y.4603 (03/2023): Requirements and functional model to support data quality management in IoT
- ITU-T Y.4909 (03/2023): Assessment framework of IoT sensing quality
- ITU-T Y.4910 (03/2023): Maturity model of digital supply chain for smart sustainable cities

By TSB Circular 78 of 28 March 2023, it was announced that the following ITU-T Recommendations were approved in accordance with the procedures outlined in Resolution 1:

- ITU-T X.1380 (03/2023): Security guidelines for cloud-based data recorders in automotive environments
- ITU-T X.1381 (03/2023): Security guidelines for Ethernet-based In-Vehicle networks
- ITU-T X.1382 (03/2023): Guidelines for sharing security threat information on connected vehicles
- ITU-T X.1383 (03/2023): Security requirements for categorized data in vehicle-to-everything (V2X) communication
- ITU-T X.1410 (03/2023): Security architecture for data-sharing management based on the distributed ledger technology
- ITU-T X.1411 (03/2023): Guidelines on blockchain as a service (BaaS) security
- ITU-T X.1644 (03/2023): Security guidelines for distributed cloud
- ITU-T X.1815 (03/2023): Security guidelines and requirements for IMT-2020 edge computing services
- ITU-T X.1816 (03/2023): Guidelines and requirements for classifying security capabilities in IMT-2020 network slice

By TSB Circular 84 of 24 March 2023, it was announced that the following ITU-T Recommendations were approved in accordance with the procedures outlined in Resolution 1:

- ITU-T E.118.1 (03/2023): Allocation, assignment and management of global Issuer Identifier Numbers (IIN)

By TSB Circular 89 of 31 March 2023, it was announced that the following ITU-T Recommendations were approved in accordance with the procedures outlined in Resolution 1:

- ITU-T Y.3082 (03/2023): Mobile network sharing based on distributed ledger technology for networks beyond IMT-2020: Requirements and framework

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 code (MNC) has been **assigned**.

<i>Network</i>	<i>Mobile Country Code (MCC) and Mobile Network Code (MNC)</i>	<i>Date of assignment</i>
Skylo Technologies, Inc.	901 98	27.III.2023

Telephone Service (Recommendation ITU-T E.164)

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

Qatar (country code +974)

Communication of 27.III.2023:

The *Communication Regulatory Authority*, Doha, announces the following updated National Numbering Plan of Qatar.

Presentation of national ITU-T E.164 numbering plan for country code 974

- a) Overview:
The minimum number length (excluding the country code) is 3 digits.
The maximum number length (excluding the country code) is 10 digits.
- b) Link to the national database (or any applicable list) with assigned ITU-T E.164 numbers within the national numbering plan: <https://www.cra.gov.qa/en/document/national-numbering-plan>
- c) Link to the real-time database reflecting ported ITU-T E.164 numbers:
<https://www.cra.gov.qa/Services/Telecommunications/Numbering-Management>
- d) Detail of numbering plan:

NDC (national destination code) or leading digits of N(S)N (national (significant) number)	N(S)N number length		Usage of ITU-T E.164 number	Additional information
	Maximum length	Minimum length		
1	3	3	Non-geographic number-Short Codes	
20	4	4	Non-geographic number-Short Codes	
23	7	7	Security Services	Legacy Allocation
26	7	7	Military Services	Legacy Allocation
28	10	10	M2M/IoT Services	
29	10	10	M2M/IoT Services	
3	8	8	Mobile telephony services	
4	8	8	Fixed Telephony Services	
5	8	8	Mobile telephony services	
6	8	8	Mobile telephony services	
7	8	8	Mobile telephony services	
800	7	7	Non-geographic number – Freephone	
900	7	7	Non-Geographic number- Value Added services / Audiotext	
91	3	3	Non-geographic number-Short Codes	
92	5	5	Non-geographic number – Value added SMS services	
97	5	5	Non-geographic number – Value added SMS services	
99	3	3	Non-geographic number-Short Codes	

Contact:

Regulator:
Communication Regulatory Authority
P.O. Box 23404
Al Nassir Tower "B"
Al Corniche Street
DOHA
Qatar
URL: <https://www.cra.gov.qa/>

Administrative Contact:

Mrs. Khaloud Karbon
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Communication Regulatory Authority - Qatar
Tel: +974 44994081
Fax: +974 44995515
E-mail: KKarbon@cra.gov.qa

Technical Contact:

Mr. Mubaraq Muhammad Tharamal
Sr. Specialist Numbering Management
Communication Regulatory Authority - Qatar
Tel: +974 44993829
Fax: +974 44995515
E-mail: mmuhammad@cra.gov.qa

Testing Laboratories recognized by ITU

According to the [ITU-T Guideline on “Testing Laboratories recognition procedure” \(2022\)](#) and based on the application received as of 03 April 2023, the following Testing Laboratory, which fulfils the criteria defined in the clause 9 of the above-mentioned ITU-T Guideline, was registered in the ITU Testing Laboratory Database (<https://itu.int/go/tldb>):

Testing Laboratory	Country	Scope of Accreditation (ITU-T Recommendations)
Chengdu Tairui Telecommunication Equipment Test co., Ltd.	China	G.694.2, G.7042, G.957, G.807, G.7713, G.7714, G.650.1, G.652, G.654, G.657, H.264, Y.1305

Any queries can be addressed to conformity@itu.int. More details are available on ITU C&I Portal at: <https://itu.int/go/citest>.

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 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. 81)

French Departments and Territories in the Indian Ocean LIR

<i>Country/ geographical area</i>	<i>Company Name/Address</i>	<i>Issuer Identifier Number</i>	<i>Contact</i>
French Departments and Territories in the Indian Ocean	Telco OI Mayotte 1, Rue Joseph WETZELL Technopole de La Réunion 97490 SAINTE CLOTILDE - Reunion	89 262 02	Telco OI Core network department 1, Rue Joseph WETZELL Technopole de La Réunion 97490 SAINTE CLOTILDE - Reunion Tel : +262 262 165364 E-mail : numerotation@trm.re
French Departments and Territories in the Indian Ocean	Telco OI Réunion 1, Rue Joseph WETZELL Technopole de La Réunion 97490 SAINTE CLOTILDE - Reunion	89 262 03	Telco OI Core network department 1, Rue Joseph WETZELL Technopole de La Réunion 97490 SAINTE CLOTILDE – Reunion Tel : +262 262 165364 E-mail : numerotation@trm.re

**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. 94)

<i>Country/Geographical area</i>	<i>MCC+MNC</i>	<i>Operator/Network</i>
International Mobile, shared code ADD		
	901 98	Skylo Technologies, Inc.

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. 148)

<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	
HAKOM Enterprise Communications GmbH Benno-Strauss-Str. 7 D-90763 FUERTH	HAKOM	Mr Alexander Hahn Tel.: +49 911 4771660 Fax: +49 911 47716690 Email: info@hakom.de
myLoc managed IT AG Am Gatherhof 44 D-40472 DÜSSELDORF	WIIT	Mr Peter Hansen Tel.: +49 211 617080 Fax: +49 211 61708556 Email: peter.hansen@myloc.de
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