

ITU Operational Bulletin

www.itu.int/itu-t/bulletin

No. **1239**

1.III.2022

(Information received by 11 February 2022) ISSN 1564-5223 (Online)

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

Table of Contents

	<i>Page</i>
GENERAL INFORMATION	
Lists annexed to the ITU Operational Bulletin: <i>Note from TSB</i>	3
Approval of ITU-T Recommendations	4
Telephone Service:	
Barbados (<i>Ministry of Innovation, Science and Technology, St. Michael</i>).....	7
Service Restrictions	16
Call-Back and alternative calling procedures (Res. 21 Rev. PP-06)	16
AMENDMENTS TO SERVICE PUBLICATIONS	
List of Issuer Identifier Numbers for the International Telecommunication Charge Card	17
List of ITU Carrier Codes	18
List of International Signalling Point Codes (ISPC).....	18
National Numbering Plan	19

<i>Dates of publication of the next Operational Bulletins</i>		<i>Including information received by:</i>
1240	15.III.2022	1.III.2022
1241	1.IV.2022	15.III.2022
1242	15.IV.2022	31.III.2022
1243	1.V.2022	10.IV.2022
1244	15.V.2022	29.IV.2022
1245	1.VI.2022	13.V.2022
1246	15.VI.2022	31.V.2022
1247	1.VII.2022	15.VI.2022
1248	15.VII.2022	1.VII.2022
1249	1.VIII.2022	15.VII.2022
1250	15.VIII.2022	29.VII.2022
1251	1.IX.2022	12.VIII.2022
1252	15.IX.2022	31.VIII.2022
1253	1.X.2022	15.IX.2022
1254	15.X.2022	30.IX.2022
1255	1.XI.2022	14.X.2022
1256	15.XI.2022	1.XI.2022
1257	1.XII.2022	15.XI.2022
1258	15.XII.2022	30.XI.2022
1259	1.I.2023	9.XII.2022

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-121, 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.709/Y.1331 (2020) Amd. 2 (02/2022): Interfaces for the optical transport network - Amendment 2
- ITU-T G.709.4/Y.1331.4 (2020) Cor. 2 (02/2022): OTU25 and OTU50 short-reach interfaces - Corrigendum 2
- ITU-T G.781.1 (02/2022): Synchronization Layer Functions for packet-based synchronization
- ITU-T G.800 (2016) Cor. 1 (02/2022): Unified functional architecture of transport networks - Corrigendum 1
- ITU-T G.805 (2000) Cor. 1 (02/2022): Generic functional architecture of transport networks Corrigendum 1
- ITU-T G.873.1 (2017) Amd. 1 (02/2022): Optical transport network: Linear protection - Amendment 1
- ITU-T G.984.5 (02/2022): Gigabit-capable passive optical networks (G-PON): Enhancement band
- ITU-T G.997.2 (2019) Amd. 3 (02/2022): Physical layer management for G.fast transceivers: Amendment 3
- ITU-T G.7711/Y.1702 (02/2022): Generic protocol-neutral information model for transport resources
- ITU-T G.7712/Y.1703 (2019) Amd. 1 (02/2022): Architecture and specification of data communication network - Amendment 1
- ITU-T G.8012/Y.1308 (02/2022): Ethernet UNI and Ethernet NNI
- ITU-T G.8023 (2018) Amd. 1 (02/2022): Characteristics of equipment functional blocks supporting Ethernet physical layer and Flex Ethernet interfaces - Amendment 1
- ITU-T G.8032/Y.1344 (2020) Gor. 1 (02/2022): Ethernet ring protection switching - Corrigendum 1
- ITU-T G.8265.1/Y.1365.1 (2021) Amd. 1 (02/2022): Precision time protocol telecom profile for frequency synchronization - Amendment 1
- ITU-T G.8271.1/Y.1366.1 (2020) Amd. 2 (02/2022): Network limits for time synchronization in Packet networks with full timing support from the network - Amendment 2
- ITU-T G.8273.2/Y.1368.2 (2020) Amd. 1 (02/2022): Timing characteristics of telecom boundary clocks and telecom time slave clocks for use with full timing support from the network - Amendment 1
- ITU-T G.8275/Y.1369 (2020) Amd. 2 (02/2022): Architecture and requirements for packet-based time and phase distribution - Amendment 2
- ITU-T G.8275.1/Y.1369.1 (2020) Amd. 3 (02/2022): Precision time protocol telecom profile for phase/time synchronization with full timing support from the network - Amendment 3
- ITU-T G.8275.2/Y.1369.2 (2020) Amd. 3 (02/2022): Precision time protocol telecom profile for phase/time synchronization with partial timing support from the network - Amendment 3
- ITU-T G.8310 (2020) Cor. 1 (02/2022): Architecture of the metro transport network - Corrigendum 1
- ITU-T G.8312 (2020) Amd. 1 (02/2022): Interfaces for metro transport networks
- ITU-T G.8331 (02/2022): Metro transport network (MTN) linear protection
- ITU-T G.9701 (2019) Amd. 4 (02/2022): Fast access to subscriber terminals (G.fast) - Physical layer specification: Amendment 4
- ITU-T G.9803 (2018) Amd. 2 (02/2022): Radio over fibre systems - Amendment 2
- ITU-T G.9805 (02/2022): Coexistence of Passive Optical Network Systems
- ITU-T G.9806 (2020) Cor. 1 (02/2022): Higher speed bidirectional, single fibre, point-to-point optical access system - Corrigendum 1
- ITU-T G.9960 (2018) Amd. 3 (02/2022): Unified high-speed wire-line based home networking transceivers - System architecture and physical layer specification - Amendment 3
- ITU-T L.209 (02/2022): Requirements for Fibre Optic Network Terminal Box (FONT)

- ITU-T L.316 (02/2022): Cable identification for the construction and maintenance of optical fibre cable networks with optical sensing technique
- ITU-T L.400/L.12 (02/2022): Optical fibre splices
- ITU-T L.1016 (02/2022): Method for Evaluation of the Environmental, Health and Safety Performance of True Wireless Stereo Headphones
- ITU-T L.1035 (02/2022): Sustainable Management of Batteries
- ITU-T L.1036 (02/2022): Scheduled Waste Management for Base Station (inclusive of e-waste)
- ITU-T Q.3061 (02/2022): Signalling requirements for service function paths load balancing traceroute in service function chaining
- ITU-T Q.3631 (02/2022): Interworking between ISDN and the IP Multimedia (IM) Core Network (CN) subsystem
- ITU-T Q.3646 (02/2022): Framework and protocols for signalling network analyses and optimization in VoLTE
- ITU-T Q.4102 (02/2022): Hybrid peer-to-peer (P2P) communications: Peer protocol
- ITU-T Q.4103 (02/2022): Hybrid peer-to-peer (P2P) communications: Overlay management protocol
- ITU-T Q.5003 (02/2022): Signalling requirement and architecture for federated multi-access edge computing
- ITU-T Q.5024 (02/2022): Protocol for providing intelligent analysis services in IMT-2020 network
- ITU-T X.1712 (2021) Cor. 1 (02/2022): Security requirements and measures for QKD networks - key management: Corrigendum 1
- ITU-T Y.3078 (02/2022): Information centric networking for IMT-2020 and beyond - Requirements and capabilities of data object segmentation
- ITU-T Y.3090 (02/2022): Digital twin network - Requirements and architecture
- ITU-T Y.3114 (02/2022): Future networks including IMT-2020: requirements and functional architecture of lightweight core for dedicated networks
- ITU-T Y.3116 (02/2022): Traffic typization IMT-2020 management based on an artificial intelligent approach
- ITU-T Y.3180 (02/2022): Mechanism of traffic awareness for application-descriptor-agnostic traffic based on machine learning
- ITU-T Y.3200 (02/2022): Fixed, mobile and satellite convergence - Requirements for IMT-2020 network and beyond
- ITU-T Y.3505 (02/2022): Cloud computing – Overview and functional requirements for data storage federation
- ITU-T Y.3528 (02/2022): Cloud computing - Framework and requirements of container management in inter-cloud
- ITU-T Y.3529 (02/2022): Cloud computing - Data model framework for NaaS OSS virtualized network function
- ITU-T Y.3535 (02/2022): Cloud Computing - Functional requirements for container
- ITU-T Y.3536 (02/2022): Cloud computing - Functional architecture for cloud service brokerage
- ITU-T Y.3654 (02/2022): Big data driven networking - Machine learning mechanism
- ITU-T Y.3680 (02/2022): Framework of human-like networking
- ITU-T Y.3807 (02/2022): Quantum Key Distribution networks - QoS parameters
- ITU-T Y.3808 (02/2022): Framework for integration of quantum key distribution network and secure storage network

By TSB Circular 377 of 1 February 2022, it was announced that the following ITU-T Recommendations were approved, in accordance with the procedures outlined in Resolution 1:

- ITU-T F.747.10 (01/2022): Requirements of distributed ledger systems for secure human factor services
- ITU-T H.551 (01/2022): Architecture of vehicular multimedia systems

By TSB Circular 378 of 4 February 2022, it was announced that the following ITU-T Recommendations were approved, in accordance with the procedures outlined in Resolution 1:

- ITU-T Y.4214 (02/2022): Requirements of IoT-based civil engineering infrastructure health monitoring system
- ITU-T Y.4215 (02/2022): Use cases, requirements and capabilities of unmanned aircraft systems for the Internet of Things

Telephone Service

(Recommendation ITU-T E.164)

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

Barbados (country code +1 246)

Communication of 8.II.2022:

The *Ministry of Innovation, Science and Technology*, St. Michael, announces the National Numbering Plan of Barbados, a Participant in the North American Numbering Plan (NPA – 246 for Barbados).

Introduction

This numbering plan applies to telecommunications numbers used by service providers or carriers within Barbados, including but not limited to all numbers in the 246 Numbering Plan Area (NPA) code and any subsequent or successor NPAs assigned to Barbados.

All terms used in this document that are not otherwise defined herein have the meaning given to them in the Telecommunications Act Cap. 282B.

I. Geographic Telephone Numbers

A. General Principles

Telecommunications numbering, and the use of numbers in connection with the supply of telecommunications services, shall be governed by the standards of the North American Numbering Plan (NANP). Under NANP principles, telephone numbers consist of ten digits. The first three digits (the NPA) shall be 246 in Barbados, unless an additional area code is assigned in the future to Barbados. The second three digits (the exchange or CO code) shall be the three digits that are assigned in the Local Exchange Routing Guide (LERG) to the switch of the carrier serving the customer that the number identifies.

All carriers and services providers shall utilize rating and routing arrangements that conform to the NANP numbering scheme and principles. Telecommunications numbers used in Barbados shall be configured in a manner consistent with the NANP to allow appropriate recognition by all providers' switching software and other systems for correct rating and routing of calls.

B. Assignment of Numbering Resources

a) Number Assignment

Telephone numbers shall be assigned to carriers and service providers in Barbados only by Digital Infrastructure (formerly The Telecommunications Unit), in the Ministry of Industry, Innovation, Science and Technology, (the "Ministry") or its designee. Cable & Wireless (Barbados) Limited ceased to administer numbering resources in Barbados, and the number blocks identified in Appendix A to this Numbering Plan with the OCN of Cable & Wireless (Barbados) Limited are hereby allocated to Cable & Wireless (Barbados) Limited and may continue to be used by it, subject to the Act and other relevant laws and regulations.

Unless and until the Ministry determines that the public interest would be served by the implementation of number portability in Barbados, numbers shall be assigned to requesting carriers and service providers in blocks of ten thousand, consisting of an entire CO code (e.g., 246-230-0000 through 246-230-9999). It shall be the responsibility of the carrier to ensure that such blocks are properly and promptly identified with that carrier in the LERG.

Carriers and service providers shall assign numbers to their customers only from blocks of numbers properly assigned to them by the Minister or his designee. It shall be the responsibility of carriers and service providers to establish systems and procedures to track their own use of the numbering resources assigned to them to serve their subscribers.

All new providers of cellular services will be requested to ensure that their mobile switches can support number portability.

b) Applications for Numbering Resources

All applications for numbering resources must be in accordance with the Telecommunications Numbering Regulations (2003) and the Barbados Central Office Code Assignment Guidelines.

C. N11 Codes

N11 codes shall be used by service providers in Barbados only for the purpose for which they have been designated. The Ministry reserves the right to alter such designations based on a finding that the public interest thereby would be served. The present designated uses for N11 codes are the following:

111	May not be used
211	Police
311	Fire
411	Service provider's directory assistance
511	Ambulance
611	Service provider's repair service
711	(Not designated)
811	Service provider's business office
911	Public Service Answering Point/Emergency number

II. Pay-Per-Call Services

No carrier or service provider in Barbados shall provide any domestic or international pay-per-call service (whereby the calling party or his carrier is billed for information, service, or other charges in excess of properly tariffed charges for a telecommunications service) using any numbers other than (1) properly assigned numbers in the 246-976 number block; or (2) properly assigned numbers in the 900 NPA.

III. Local Number Portability (LNP)

521 and 522 codes are reserved for Local Number Portability only and shall be used by carriers and service providers in Barbados only for this purpose.

The Ministry reserves the right to alter such designations based on any findings that the public interest thereby would be served. The present Routing Number allocations for the carriers and service providers in Barbados are the following:

Routing Code Range	Digicel		Cable & Wireless		KW Telecoms		Ozone Wireless Inc	
	Fixed	Mobile	Fixed	Mobile	Fixed	Mobile	Fixed	Mobile
5210 to 5220	5210	5211	5213	5214	5216	5217	5219	5220

APPENDIX A

Barbados Central Office Code Allocations

<i>CO CODE (NXX)</i>	<i>Usage</i>	<i>OCN (Operating Company Number)</i>	<i>Remarks</i>
111	N11 Code	N11	Not To Be Allocated
211	N11 Code	N11	Police
223	International Telephony	070H	Ace Communications Inc.
227	Fixed Telephony	8904	Cable & Wireless (Barbados) Ltd.
228	Fixed Telephony	8904	Cable & Wireless (Barbados) Ltd.
229	ISDN	8904	Cable & Wireless (Barbados) Ltd.
230	Mobile Telephony	8904	Cable & Wireless (Barbados) Ltd.
231	Mobile Telephony	8904	Cable & Wireless (Barbados) Ltd.
232	Mobile Telephony	8904	Cable & Wireless (Barbados) Ltd.
233	Mobile Telephony	8904	Cable & Wireless (Barbados) Ltd.
234	Mobile Telephony	8904	Cable & Wireless (Barbados) Ltd.
235	Mobile Telephony	8904	Cable & Wireless (Barbados) Ltd.
236	Mobile Telephony	8904	Cable & Wireless (Barbados) Ltd.
237	Mobile Telephony	8904	Cable & Wireless (Barbados) Ltd.
238	Mobile Telephony	8904	Cable & Wireless (Barbados) Ltd.
239	Mobile Telephony	8904	Cable & Wireless (Barbados) Ltd.
240	Mobile Telephony	8904	Cable & Wireless (Barbados) Ltd.
241	Mobile Telephony	8904	Cable & Wireless (Barbados) Ltd.
242	Mobile Telephony	8904	Cable & Wireless (Barbados) Ltd.
243	Mobile Telephony	8904	Cable & Wireless (Barbados) Ltd.
244	Mobile Telephony	8904	Cable & Wireless (Barbados) Ltd.
245	Mobile Telephony	8904	Cable & Wireless (Barbados) Ltd.
246	Mobile Telephony	Y	Not to be Allocated
247	Mobile Telephony	8904	Cable & Wireless (Barbados) Ltd.
248	Mobile Telephony	8904	Cable & Wireless (Barbados) Ltd.
249	Mobile Telephony	8904	Cable & Wireless (Barbados) Ltd.
250	Mobile Telephony	8904	Cable & Wireless (Barbados) Ltd.
251	Mobile Telephony	8904	Cable & Wireless (Barbados) Ltd.
252	Mobile Telephony	8904	Cable & Wireless (Barbados) Ltd.
253	Mobile Telephony	8904	Cable & Wireless (Barbados) Ltd.
254	Mobile Telephony	8904	Cable & Wireless (Barbados) Ltd.
255	Mobile Telephony	8904	Cable & Wireless (Barbados) Ltd.
256	Mobile Telephony	059B	Digicel Barbados Ltd.
257	Mobile Telephony	059B	Digicel Barbados Ltd.
258	Mobile Telephony	059B	Digicel Barbados Ltd.
259	Mobile Telephony	059B	Digicel Barbados Ltd.
260	Mobile Telephony	059B	Digicel Barbados Ltd.
261	Mobile Telephony	059B	Digicel Barbados Ltd.
262	Mobile Telephony	059B	Digicel Barbados Ltd.
263	Mobile Telephony	059B	Digicel Barbados Ltd.
264	Mobile Telephony	059B	Digicel Barbados Ltd.
265	Mobile Telephony	059B	Digicel Barbados Ltd.
266	Mobile Telephony	059B	Digicel Barbados Ltd.
267	Mobile Telephony	059B	Digicel Barbados Ltd.
268	Mobile Telephony	059B	Digicel Barbados Ltd.
269	Mobile Telephony	059B	Digicel Barbados Ltd.
270	Fixed Telephony (ATM/IP)	8904	Cable & Wireless (Barbados) Ltd.
271	Fixed Telephony (ATM/IP)	8904	Cable & Wireless (Barbados) Ltd.
272	Fixed Telephony (ATM/IP)	8904	Cable & Wireless (Barbados) Ltd.
273	Fixed Telephony (ATM/IP)	8904	Cable & Wireless (Barbados) Ltd.

<i>CO CODE (NXX)</i>	<i>Usage</i>	<i>OCN (Operating Company Number)</i>	<i>Remarks</i>
274	Fixed Telephony (ATM/IP)	8904	Cable & Wireless (Barbados) Ltd.
280	Mobile Telephony	8904	Cable & Wireless (Barbados) Ltd.
281	Mobile Telephony	8904	Cable & Wireless (Barbados) Ltd.
282	Mobile Telephony	8904	Cable & Wireless (Barbados) Ltd.
283	Mobile Telephony	8904	Cable & Wireless (Barbados) Ltd.
284	Mobile Telephony	8904	Cable & Wireless (Barbados) Ltd.
285	Mobile Telephony	8904	Cable & Wireless (Barbados) Ltd.
286	Mobile Telephony	8904	Cable & Wireless (Barbados) Ltd.
287	Mobile Telephony	8904	Cable & Wireless (Barbados) Ltd.
289	Mobile Telephony	8904	Cable & Wireless (Barbados) Ltd.
292	CENTREX	8904	Cable & Wireless (Barbados) Ltd.
310	Voice over Internet Protocol	8904	Cable & Wireless (Barbados) Ltd.
311	N11 Code	N11	Fire
312	Voice over Internet Protocol	8904	Cable & Wireless (Barbados) Ltd.
313	Voice over Internet Protocol	8904	Cable & Wireless (Barbados) Ltd.
314	Voice over Internet Protocol	8904	Cable & Wireless (Barbados) Ltd.
315	Voice over Internet Protocol	8904	Cable & Wireless (Barbados) Ltd.
316	Voice over Internet Protocol	8904	Cable & Wireless (Barbados) Ltd.
317	Voice over Internet Protocol	8904	Cable & Wireless (Barbados) Ltd.
318	Voice over Internet Protocol	8904	Cable & Wireless (Barbados) Ltd.
319	Voice over Internet Protocol	8904	Cable & Wireless (Barbados) Ltd.
320	Voice over Internet Protocol	Y	Not Allocated
321	Voice over Internet Protocol	Y	Not Allocated
322	Voice over Internet Protocol	Y	Not Allocated
323	Voice over Internet Protocol	Y	Not Allocated
324	Voice over Internet Protocol	Y	Not Allocated
325	Voice over Internet Protocol	Y	Not Allocated
326	Voice over Internet Protocol	Y	Not Allocated
327	Voice over Internet Protocol	Y	Not Allocated
328	Voice over Internet Protocol	Y	Not Allocated
329	Voice over Internet Protocol	Y	Not Allocated
330	Voice over Internet Protocol	Y	Not Allocated
331	Voice over Internet Protocol	Y	Not Allocated
332	Voice over Internet Protocol	Y	Not Allocated
333	Voice over Internet Protocol	Y	Not Allocated
334	Voice over Internet Protocol	Y	Not Allocated
335	Voice over Internet Protocol	Y	Not Allocated
336	Voice over Internet Protocol	Y	Not Allocated
337	Voice over Internet Protocol	Y	Not Allocated
338	Voice over Internet Protocol	Y	Not Allocated
339	Voice over Internet Protocol	Y	Not Allocated
352	Mobile Telephony	8904	Cable & Wireless (Barbados) Ltd.
353	Mobile Telephony	8904	Cable & Wireless (Barbados) Ltd.
354	Mobile Telephony	8904	Cable & Wireless (Barbados) Ltd.
355	Mobile Telephony	8904	Cable & Wireless (Barbados) Ltd.
356	Mobile Telephony	8904	Cable & Wireless (Barbados) Ltd.
357	Mobile Telephony	8904	Cable & Wireless (Barbados) Ltd.
358	Mobile Telephony	8904	Cable & Wireless (Barbados) Ltd.
359	Mobile Telephony	8904	Cable & Wireless (Barbados) Ltd.
360	Mobile Telephony	8904	Cable & Wireless (Barbados) Ltd.
361	Mobile Telephony	8904	Cable & Wireless (Barbados) Ltd.
362	Mobile Telephony	8904	Cable & Wireless (Barbados) Ltd.
363	Mobile Telephony	8904	Cable & Wireless (Barbados) Ltd.
364	Mobile Telephony	8904	Cable & Wireless (Barbados) Ltd.

<i>CO CODE (NXX)</i>	<i>Usage</i>	<i>OCN (Operating Company Number)</i>	<i>Remarks</i>
365	Mobile Telephony	8904	Cable & Wireless (Barbados) Ltd.
366	Mobile Telephony	8904	Cable & Wireless (Barbados) Ltd.
367	Direct Inward Dialing	8904	Cable & Wireless (Barbados) Ltd.
410	Fixed Telephony	8904	Cable & Wireless (Barbados) Ltd.
411	N11 Code	N11	Directory Assistance (Service Provider)
412	Fixed Telephony	8904	Cable & Wireless (Barbados) Ltd.
414	Fixed Telephony	8904	Cable & Wireless (Barbados) Ltd.
415	Fixed Telephony	8904	Cable & Wireless (Barbados) Ltd.
416	Fixed Telephony	8904	Cable & Wireless (Barbados) Ltd.
417	CENTREX	8904	Cable & Wireless (Barbados) Ltd.
418	CENTREX	8904	Cable & Wireless (Barbados) Ltd.
419	CENTREX	8904	Cable & Wireless (Barbados) Ltd.
420	Fixed Telephony	8904	Cable & Wireless (Barbados) Ltd.
421	Fixed Telephony	8904	Cable & Wireless (Barbados) Ltd.
422	Fixed Telephony	8904	Cable & Wireless (Barbados) Ltd.
423	Fixed Telephony	8904	Cable & Wireless (Barbados) Ltd.
424	Fixed Telephony	8904	Cable & Wireless (Barbados) Ltd.
425	Fixed Telephony	8904	Cable & Wireless (Barbados) Ltd.
426	Fixed Telephony	8904	Cable & Wireless (Barbados) Ltd.
427	Fixed Telephony	8904	Cable & Wireless (Barbados) Ltd.
428	Fixed Telephony	8904	Cable & Wireless (Barbados) Ltd.
429	Fixed Telephony	8904	Cable & Wireless (Barbados) Ltd.
430	CENTREX	8904	Cable & Wireless (Barbados) Ltd.
431	CENTREX	8904	Cable & Wireless (Barbados) Ltd.
432	Fixed Telephony	8904	Cable & Wireless (Barbados) Ltd.
433	Fixed Telephony	8904	Cable & Wireless (Barbados) Ltd.
434	Fixed Telephony	8904	Cable & Wireless (Barbados) Ltd.
435	Fixed Telephony	8904	Cable & Wireless (Barbados) Ltd.
436	Fixed Telephony	8904	Cable & Wireless (Barbados) Ltd.
437	Fixed Telephony	8904	Cable & Wireless (Barbados) Ltd.
438	Fixed Telephony	8904	Cable & Wireless (Barbados) Ltd.
439	Fixed Telephony	8904	Cable & Wireless (Barbados) Ltd.
444	Direct Inward Dialing	8904	Cable & Wireless (Barbados) Ltd.
446	Mobile Telephony	641J	Neptune Communications Inc.
447	Wireless	641J	Neptune Communications Inc.
448	Wireless	641J	Neptune Communications Inc.
449	Wireless	641J	Neptune Communications Inc.
450	Mobile Telephony	Y	Not Allocated
451	Mobile Telephony	Y	Not Allocated
452	Mobile Telephony	Y	Not Allocated
453	Mobile Telephony	Y	Not Allocated
454	Mobile Telephony	Y	Not Allocated
455	Mobile Telephony	Y	Not Allocated
456	Mobile Telephony	Y	Not Allocated
457	Mobile Telephony	Y	Not Allocated
458	Mobile Telephony	Y	Not Allocated
459	Mobile Telephony	Y	Not Allocated
467	Direct Inward Dialing	8904	Cable & Wireless (Barbados) Ltd.
511	N11 Code	N11	Ambulance
520	Fixed Telephony	C	Not Allocated
521	Local Number Portability		Reserved For Local No. Portability
5210	Fixed LNP	059B	Digicel Barbados Ltd.
5211	Mobile LNP	059B	Digicel Barbados Ltd.

<i>CO CODE (NXX)</i>	<i>Usage</i>	<i>OCN (Operating Company Number)</i>	<i>Remarks</i>
5213	Fixed LNP	8904	Cable & Wireless (Barbados) Ltd.
5214	Mobile LNP	8904	Cable & Wireless (Barbados) Ltd.
5216	Fixed LNP	900J	KW Telecommunications Inc.
5217	Mobile LNP	900J	KW Telecommunications Inc.
5219	Fixed LNP	810H	Ozone Wireless Inc.
5220	Mobile LNP	810H	Ozone Wireless Inc.
522	Local Number Portability	Y	Reserved For Local No. Portability
523	Fixed Telephony	Y	Not Allocated
524	Fixed Telephony	Y	Not Allocated
525	Fixed Telephony	Y	Not Allocated
526	Fixed Telephony	Y	Not Allocated
527	Fixed Telephony	Y	Not Allocated
528	Fixed Telephony	Y	Not Allocated
529	Fixed Telephony	Y	Not Allocated
530	Fixed Telephony	059B	Digicel Barbados Ltd.
531	Fixed Telephony	059B	Digicel Barbados Ltd.
532	Fixed Telephony	Y	Not Allocated
533	Fixed Telephony	Y	Not Allocated
534	Fixed Telephony	Y	Not Allocated
535	Fixed Telephony	059B	Digicel Barbados Ltd.
536	Fixed Telephony	059B	Digicel Barbados Ltd.
537	Fixed Telephony	059B	Digicel Barbados Ltd.
538	Fixed Telephony	059B	Digicel Barbados Ltd.
539	Fixed Telephony	059B	Digicel Barbados Ltd.
540	Fixed Telephony	Y	Not Allocated
541	Fixed Telephony	Y	Not Allocated
542	Fixed Telephony	Y	Not Allocated
543	Fixed Telephony	Y	Not Allocated
544	Fixed Telephony	Y	Not Allocated
545	Fixed Telephony	Y	Not Allocated
546	Fixed Telephony	059B	Digicel Barbados Ltd.
547	Fixed Telephony	059B	Digicel Barbados Ltd.
548	Fixed Telephony	059B	Digicel Barbados Ltd.
549	Fixed Telephony	059B	Digicel Barbados Ltd.
554	Fixed Telephony	8904	Cable & Wireless (Barbados) Ltd.
555	Directory Assistance	8904	Cable & Wireless (Barbados) Ltd.
571	Fixed Line Telephony	8904	Cable & Wireless (Barbados) Ltd.
572	Fixed Line Telephony	8904	Cable & Wireless (Barbados) Ltd.
573	Fixed Line Telephony	8904	Cable & Wireless (Barbados) Ltd.
611	N11 Code	N11	Repair Service (Service Provider)
620	Fixed Line Telephony	8904	Cable & Wireless (Barbados) Ltd.
621	Fixed Line Telephony	8904	Cable & Wireless (Barbados) Ltd.
622	Fixed Line Telephony	8904	Cable & Wireless (Barbados) Ltd.
623	Fixed Line Telephony	8904	Cable & Wireless (Barbados) Ltd.
624	Fixed Line Telephony	8904	Cable & Wireless (Barbados) Ltd.
625	Fixed Line Telephony	8904	Cable & Wireless (Barbados) Ltd.
626	Fixed Line Telephony	8904	Cable & Wireless (Barbados) Ltd.
627	Fixed Line Telephony	8904	Cable & Wireless (Barbados) Ltd.
628	Fixed Line Telephony	8904	Cable & Wireless (Barbados) Ltd.
629	Fixed Line Telephony	8904	Cable & Wireless (Barbados) Ltd.
638	Fixed Telephony	8904	Cable & Wireless (Barbados) Ltd.
695	Mobile Telephony	810H	Ozone Wireless Inc.
696	Mobile Telephony	810H	Ozone Wireless Inc.
697	Mobile Telephony	810H	Ozone Wireless Inc.

<i>CO CODE (NXX)</i>	<i>Usage</i>	<i>OCN (Operating Company Number)</i>	<i>Remarks</i>
711	N11 Code	N11	Not Designated
712	Wireless Telephony	900J	KW Telecommunications Inc.
713	Wireless Telephony	900J	KW Telecommunications Inc.
714	Wireless Telephony	900J	KW Telecommunications Inc.
715	Wireless Telephony	900J	KW Telecommunications Inc.
716	Wireless Telephony	900J	KW Telecommunications Inc.
717	Wireless Telephony	900J	KW Telecommunications Inc.
718	Wireless Telephony	900J	KW Telecommunications Inc.
719	Wireless Telephony	900J	KW Telecommunications Inc.
720	Wireless Telephony	900J	KW Telecommunications Inc.
721	Wireless Telephony	900J	KW Telecommunications Inc.
722	Wireless Telephony	900J	KW Telecommunications Inc.
723	Wireless Telephony	900J	KW Telecommunications Inc.
724	Wireless Telephony	900J	KW Telecommunications Inc.
725	Wireless Telephony	900J	KW Telecommunications Inc.
726	Wireless Telephony	900J	KW Telecommunications Inc.
727	Wireless Telephony	900J	KW Telecommunications Inc.
728	Wireless Telephony	900J	KW Telecommunications Inc.
729	Wireless Telephony	900J	KW Telecommunications Inc.
730	Wireless Telephony	900J	KW Telecommunications Inc.
731	Wireless Telephony	900J	KW Telecommunications Inc.
736	Direct Inward Dialing	8904	Cable & Wireless (Barbados) Ltd.
737	Fixed Telephony	8904	Cable & Wireless (Barbados) Ltd.
753	Call Centres	8904	Cable & Wireless (Barbados) Ltd.
757	Fixed Telephony	8904	Cable & Wireless (Barbados) Ltd.
776	International Telephony	070H	Ace Communications Inc.
777	International Telephony	070H	Ace Communications Inc.
778	International Telephony	070H	Ace Communications Inc.
811	N11 Code	N11	Business Office (Service Provider)
820	Mobile Telephony	059B	Digicel Barbados Ltd.
821	Mobile Telephony	059B	Digicel Barbados Ltd.
822	Mobile Telephony	059B	Digicel Barbados Ltd.
823	Mobile Telephony	059B	Digicel Barbados Ltd.
824	Mobile Telephony	059B	Digicel Barbados Ltd.
825	Mobile Telephony	059B	Digicel Barbados Ltd.
826	Mobile Telephony	059B	Digicel Barbados Ltd.
827	Mobile Telephony	059B	Digicel Barbados Ltd.
828	Mobile Telephony	059B	Digicel Barbados Ltd.
829	Mobile Telephony	059B	Digicel Barbados Ltd.
830	Mobile Telephony	059B	Digicel Barbados Ltd.
831	Mobile Telephony	059B	Digicel Barbados Ltd.
832	Mobile Telephony	059B	Digicel Barbados Ltd.
833	Mobile Telephony	059B	Digicel Barbados Ltd.
834	Mobile Telephony	059B	Digicel Barbados Ltd.
835	Mobile Telephony	059B	Digicel Barbados Ltd.
836	Mobile Telephony	059B	Digicel Barbados Ltd.
837	Mobile Telephony	059B	Digicel Barbados Ltd.
838	Mobile Telephony	059B	Digicel Barbados Ltd.
839	Mobile Telephony	059B	Digicel Barbados Ltd.
840	Mobile Telephony	059B	Digicel Barbados Ltd.
841	Mobile Telephony	059B	Digicel Barbados Ltd.
842	Mobile Telephony	059B	Digicel Barbados Ltd.
843	Mobile Telephony	059B	Digicel Barbados Ltd.

<i>CO CODE (NXX)</i>	<i>Usage</i>	<i>OCN (Operating Company Number)</i>	<i>Remarks</i>
844	Mobile Telephony	059B	Digicel Barbados Ltd.
845	Mobile Telephony	059B	Digicel Barbados Ltd.
846	Mobile Telephony	059B	Digicel Barbados Ltd.
847	Mobile Telephony	059B	Digicel Barbados Ltd.
848	Mobile Telephony	059B	Digicel Barbados Ltd.
849	Mobile Telephony	059B	Digicel Barbados Ltd.
850	Mobile Telephony	059B	Digicel Barbados Ltd.
851	Mobile Telephony	059B	Digicel Barbados Ltd.
852	Mobile Telephony	059B	Digicel Barbados Ltd.
853	Mobile Telephony	059B	Digicel Barbados Ltd.
854	Mobile Telephony	059B	Digicel Barbados Ltd.
855	Mobile Telephony	059B	Digicel Barbados Ltd.
856	Mobile Telephony	059B	Digicel Barbados Ltd.
857	Mobile Telephony	059B	Digicel Barbados Ltd.
858	Mobile Telephony	059B	Digicel Barbados Ltd.
859	Mobile Telephony	059B	Digicel Barbados Ltd.
883	Mobile Telephony	059B	Digicel Barbados Ltd.
911	N11 Code	N11	Public Service Answering Point/Emergency No.
918	Fixed Wireless	Y	Not Allocated
919	Fixed Wireless	Y	Not Allocated
958	Station Ringer	8904	Cable & Wireless (Barbados) Ltd.
963	Fixed Telephony	8904	Cable & Wireless (Barbados) Ltd.
976	Pay-per-call services	8904	Cable & Wireless (Barbados) Ltd.

International dialling format: +1 246 NXX XXXX

Summary of Assignments

<i>Company</i>	<i>OCN</i>	<i>No. of Codes</i>	<i>Nxx Ranges</i>
Cable & Wireless (Barbados) Ltd.	8904	121	(227 to 245) + (247 to 255) + (270 to 274) + (280 to 288) + 292 + (310) + (312 to 319) + (352 to 367) + 410 + 412 + (414 to 439) + 444 + 467 + 554 + 555 + (571 to 573) + (620 to 629) + 638 + 736 + 737 + 753 + 757 + 958 + 963 + 976
Digicel Barbados Ltd.	059B	66	(256 to 269) + 530 + 531 + (535 to 539) + (546 to 549) + (820 to 859) + 883
Neptune Communications Inc.	641J	4	446 to 449
Ace Communications Inc.	070H	4	(223 + (776 to 778))
KW Telecommunications Inc.	900J	20	712 to 731
Ozone Wireless Inc.	810H	3	695 to 697
Total		218	

Barbados Local Number Portability (LNP) Routing Number Allocations

<i>Routing Code Range</i>	<i>Digicel</i>		<i>Cable & Wireless</i>		<i>KW Telecoms</i>		<i>Ozone Wireless Inc</i>	
	Fixed	Mobile	Fixed	Mobile	Fixed	Mobile	Fixed	Mobile
5210 to 5220	5210	5211	5213	5214	5216	5217	5219	5220

Contact:

Ministry of Innovation, Science and Technology
Level 3 Baobab Tower
WARRENS, ST. MICHAEL
Barbados
URL: www.telecoms.gov.bb

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. 62)

Australia 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>
Australia	OptiTel Pty Ltd 5/6 Kent Ct, Stuart Park NT 0820	89 61 90	David Bock OptiTel Pty Ltd, PO Box 583, Kununurra WA 6743 Tel: +61 8 9168 1551 E-mail: admin@optitel.com.au	1.II.2022

United Kingdom 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>
United Kingdom	Spitfire Network Services Ltd 239 Regents Park Road LONDON N3 3LF	89 44 51	Harry Bowlby Spitfire Network Services Ltd The Printworks 139 Clapham Road LONDON SW9 0HP Tel: +44 207 501 3055 E-mail: H.Bowlby@spitfire.co.uk	1.II.2022

**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. 130)

<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	
carrierwerke GmbH Heinrich-Hertz-Strasse 11 D-69190 WALLDORF	CWERKE	Mr Michael Neska Tel.: +49 172 7238595 Email: mn@carrierwerke.de
Interactive Network Communications GmbH Neue Mainzer Strasse 75 D-60311 FRANKFURT	INETDE	Mr Michael Neska Tel.: +49 172 7238595 Email: mn@carrierwerke.de

**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. 31)

<i>Country/ Geographical Area</i>		<i>ISPC</i>	<i>DEC</i>	<i>Unique name of the signalling point</i>	<i>Name of the signalling point operator</i>
Spain SUP					
		2-237-1	5993	Madrid-Bellas Vistas	Telefónica Móviles España, S.A.U.
		2-237-2	5994	Barcelona-Guipúzcoa	Telefónica Móviles España, S.A.U.

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.II.2022, the following countries/geographical areas have updated their national numbering plan on our site:

<i>Country/ Geographical area</i>	<i>Country Code (CC)</i>
Iran (Islamic Republic of)	+98
Sierra Leone	+232