

# ITU Operational Bulletin

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

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

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

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1160	15.XI.2018	1.XI.2018
1161	1.XII.2018	15.XI.2018
1162	15.XII.2018	30.XI.2018

## 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.

- 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)
- 1111 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 1 November 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
- 1088 List of Issuer Identifier Numbers for the International Telecommunication Charge Card (In accordance with Recommendation ITU-T E.118 (05/2006)) (Position on 15 November 2015)
- 1060 List of ITU Carrier Codes (According to ITU-T Recommendation M.1400 (03/2013)) (Position on 15 September 2014)
- 1055 Status of Radiocommunications between Amateur Stations of Different Countries (In accordance with optional provision No. 25.1 of the Radio Regulations) and Form of Call Signs assigned by each Administration to its Amateur and Experimental Stations (Position on 1 July 2014)
- 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))
- 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)) | <a href="http://www.itu.int/ITU-T/inr/icc/index.html">www.itu.int/ITU-T/inr/icc/index.html</a>             |
| Bureaufax Table (ITU-T Rec. F.170)                      | <a href="http://www.itu.int/ITU-T/inr/bureaufax/index.html">www.itu.int/ITU-T/inr/bureaufax/index.html</a> |
| List of recognized operating agencies (ROAs)            | <a href="http://www.itu.int/ITU-T/inr/roa/index.html">www.itu.int/ITU-T/inr/roa/index.html</a>             |

## Approval of ITU-T Recommendations

By AAP-27, 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 M.3071 (01/2018): Cloud-based network management functional architecture
- ITU-T X.760 (01/2018): The measurement framework for the statistical indicators of website traffic
- ITU-T Q.1912.5 (01/2018): Interworking between Session Initiation Protocol (SIP) and Bearer Independent Call Control protocol or ISDN User Part
- ITU-T Q.3640 (01/2018): Framework of interconnection of VoLTE/ViLTE-based networks
- ITU-T Q.3714 (01/2018): Signalling requirements of SDN-based access networks with media independent management capabilities
- ITU-T Q.3715 (01/2018): Signalling requirements for dynamic bandwidth adjustment on demand on broadband network gateway implemented by software-defined networking technologies
- ITU-T Q.3716 (01/2018): Signalling Requirements for Mapping between Physical and Virtual Networks
- ITU-T Q.3740 (01/2018): Signalling Requirements for SDN and NFV based Central Office services
- ITU-T Q.3914 (01/2018): Set of parameters of cloud computing for monitoring
- ITU-T Q.3940 (01/2018): NGN/IMS interconnection tests between network operators at the IMS 'Ic' interface and NGN NNI / SIP-I
- ITU-T Q.3952 (01/2018): The architecture and facilities of Model network for IoT testing
- ITU-T Q.3953 (01/2018): VoLTE/ViLTE interconnection testing for interworking and roaming scenarios
- ITU-T Q.4016 (01/2018): Testing specification of call establishment procedures based on SIP/SDP and ITU-T H.248 for a real-time fax over IP service
- ITU-T Q.4041.1 (01/2018): Cloud computing infrastructure capabilities interoperability testing - part 1: Interoperability testing between CSC and CSP
- ITU-T X.609.4 (01/2018): Managed P2P communications: Multimedia streaming peer protocol
- ITU-T X.609.5 (01/2018): Managed P2P communications: Multimedia streaming overlay management protocol
- ITU-T I.570 (01/2018): Public/private ISDN interworking
- ITU-T K.35 (01/2018): Bonding configurations and earthing at remote electronic sites
- ITU-T K.40 (01/2018): Protection against LEMP in telecommunications centres
- ITU-T K.50 (01/2018): Safe limits for operating voltages and currents of telecommunication systems powered over the network
- ITU-T K.52 (01/2018): Guidance on complying with limits for human exposure to electromagnetic fields
- ITU-T K.61 (01/2018): Guidance on measurement and numerical prediction of electromagnetic fields for compliance with human exposure limits for telecommunication installations
- ITU-T K.70 (01/2018): Mitigation techniques to limit human exposure to EMFs in the vicinity of radiocommunication stations
- ITU-T K.91 (01/2018): Guidance for assessment, evaluation and monitoring of human exposure to radio frequency electromagnetic fields
- ITU-T K.100 (01/2018): Measurement of radio frequency electromagnetic fields to determine compliance with human exposure limits when a base station is put into service
- ITU-T K.128 (01/2018): Surge protective component application guide - metal oxide varistor (MOV) components

- ITU-T K.129 (01/2018): Characteristics and ratings of silicon PN junction voltage clamping components used for the protection of telecommunications installations
- ITU-T K.130 (01/2018): Neutron irradiation test methods for telecommunications equipment
- ITU-T K.131 (01/2018)
- ITU-T K.132 (01/2018): EMC requirements of electromagnetic disturbances from lighting equipment located in telecommunication facilities
- ITU-T K.133 (01/2018): Electromagnetic (EM) environment of body worn equipment in the 2.4 GHz and 13.56MHz industrial, scientific and medical band
- ITU-T L.1020 (01/2018): Circular Economy: Guide for Operators and Suppliers on approaches to migrate towards circular ICT goods and networks
- ITU-T L.1332 (01/2018): Total network infrastructure Energy efficiency metrics
- ITU-T L.1505 (01/2018): Use of ICT in the adaptation of the Fisheries Sector to the Effects of Climate Change
- ITU-T L.1506 (01/2018): Framework of climate change risk assessment for telecommunication and electrical facilities
- ITU-T M.1400 (2015) Amd. 1 (01/2018): Addition of new function codes for optical networks beyond 100 Gb/s
- ITU-T Y.2255 (01/2018): Voice and Video Call Continuity over LTE, Wi-Fi and 2G/3G
- ITU-T Y.2322 (01/2018): The functional architecture of VCNMO (Virtualized Control Network entities Management and Orchestration) in NGN evolution
- ITU-T Y.2618 (01/2018): M interface in Public packet Telecommunication Data Network (PTDN)
- ITU-T Y.3053 (01/2018): Framework of trustworthy networking with trust-centric network domains
- ITU-T Y.3101 (01/2018)
- ITU-T Y.3130 (01/2018): Requirements of IMT-2020 fixed mobile convergence
- ITU-T Y.3150 (01/2018): High level technical characteristics of network softwarization for IMT-2020
- ITU-T Y.3650 (01/2018): Framework of big data driven networking
- ITU-T Y.4500.1 (01/2018): oneM2M- Functional Architecture

## Telephone Service (Recommendation ITU-T E.164)

url: [www.itu.int/itu-t/inr/nnp](http://www.itu.int/itu-t/inr/nnp)

### Denmark (country code +45)

Communication of 5.I.2018:

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>
Dialoga Servicios Interactivos, S.A	32443fgh	4.I.2018

- withdrawal – Fixed communication services

<i>Provider</i>	<i>Numbering series</i>	<i>Date of withdrawal</i>
TDC A/S	1000-serie: 36352fgh 36354fgh 36356fgh 36357fgh 36358fgh 39764fgh 39765fgh 39767fgh 39768fgh 39769fgh 43615fgh 43616fgh 43617fgh 43618fgh 43619fgh 45415fgh 45416fgh 45417fgh 45418fgh 45419fgh 46164fgh 46166fgh 46167fgh 46168fgh 46169fgh 46735fgh 46736fgh 46737fgh 46738fgh	31.XII.2017

<i>Provider</i>	<i>Numbering series</i>	<i>Date of withdrawal</i>
TDC A/S	1000-serie: 46739fgh 46745fgh 46746fgh 46747fgh 46748fgh 46749fgh 47514fgh 47515fgh 47516fgh 47517fgh 47518fgh 48304fgh 48306fgh 48307fgh 48308fgh 48309fgh 48462fgh 48463fgh 48464fgh 48468fgh 48469fgh 49120fgh 49123fgh 49124fgh 49128fgh 49129fgh 49171fgh 49172fgh 49173fgh 49178fgh 49179fgh 49195fgh 49196fgh 49197fgh 49198fgh 49199fgh 49272fgh 49273fgh 49274fgh 49275fgh 49276fgh 49712fgh 49713fgh 49714fgh	31.XII.2017

<i>Provider</i>	<i>Numbering series</i>	<i>Date of withdrawal</i>
TDC A/S	1000-serie: 49715fgh 49716fgh 54450fgh 54452fgh 54455fgh 54458fgh 54459fgh 54612fgh 54613fgh 54614fgh 54618fgh 54619fgh 54632fgh 54633fgh 54634fgh 54635fgh 54636fgh 54692fgh 54695fgh 54697fgh 54698fgh 54699fgh 54714fgh 54716fgh 54717fgh 54718fgh 54719fgh 54750fgh 54751fgh 54752fgh 54753fgh 54754fgh 54810fgh 54811fgh 54812fgh 54813fgh 54814fgh 55435fgh 55436fgh 55437fgh 55438fgh 55439fgh 55560fgh 55566fgh	31.XII.2017



<i>Provider</i>	<i>Numbering series</i>	<i>Date of withdrawal</i>
TDC A/S	1000-serie: 55567fgh 55568fgh 55569fgh 55710fgh 55712fgh 55714fgh 55715fgh 55716fgh 55820fgh 55821fgh 55822fgh 55828fgh 55829fgh 56340fgh 56341fgh 56342fgh 56343fgh 56344fgh 56700fgh 56701fgh 56702fgh 56703fgh 56704fgh 56781fgh 56782fgh 56783fgh 56784fgh 56786fgh 56860fgh 56863fgh 56864fgh 56866fgh 56867fgh 56874fgh 56875fgh 56876fgh 56877fgh 56878fgh 56915fgh 56916fgh 56917fgh 56918fgh 56919fgh 57602fgh	31.XII.2017

<i>Provider</i>	<i>Numbering series</i>	<i>Date of withdrawal</i>
TDC A/S	1000-serie: 57604fgh 57606fgh 57607fgh 57609fgh 57841fgh 57842fgh 57843fgh 57846fgh 57847fgh 57881fgh 57882fgh 57883fgh 57884fgh 57885fgh 58180fgh 58181fgh 58182fgh 58183fgh 58187fgh 58201fgh 58202fgh 58203fgh 58204fgh 58205fgh 58220fgh 58221fgh 58222fgh 58223fgh 58224fgh 58244fgh 58246fgh 58247fgh 58248fgh 58249fgh 58354fgh 58355fgh 58357fgh 58358fgh 58359fgh 58364fgh 58366fgh 58367fgh 58368fgh 58369fgh	31.XII.2017

<i>Provider</i>	<i>Numbering series</i>	<i>Date of withdrawal</i>
TDC A/S	1000-serie: 59250fgh 59252fgh 59254fgh 59255fgh 59259fgh 59300fgh 59301fgh 59307fgh 59308fgh 59309fgh 59662fgh 59663fgh 59664fgh 59667fgh 59669fgh 62260fgh 62266fgh 62267fgh 62268fgh 62269fgh 62510fgh 62516fgh 62517fgh 62518fgh 62519fgh 62600fgh 62603fgh 62604fgh 62605fgh 62606fgh 64710fgh 64716fgh 64717fgh 64718fgh 64719fgh 65200fgh 65203fgh 65205fgh 65208fgh 65209fgh 65320fgh 65326fgh 65327fgh 65328fgh	31.XII.2017

<i>Provider</i>	<i>Numbering series</i>	<i>Date of withdrawal</i>
TDC A/S	1000-serie: 65329fgh 65373fgh 65374fgh 65377fgh 65378fgh 65379fgh 65422fgh 65423fgh 65426fgh 65427fgh 65429fgh 65430fgh 65435fgh 65436fgh 65438fgh 65439fgh 65450fgh 65451fgh 65453fgh 65454fgh 65459fgh 66195fgh 66196fgh 66197fgh 66198fgh 66199fgh 73204fgh 73205fgh 73206fgh 73208fgh 73209fgh 73740fgh 73741fgh 73746fgh 73748fgh 73749fgh 73760fgh 73763fgh 73764fgh 73765fgh 73769fgh 73840fgh 73843fgh 73844fgh	31.XII.2017

<i>Provider</i>	<i>Numbering series</i>	<i>Date of withdrawal</i>
TDC A/S	1000-serie: 73847fgh 73849fgh 74180fgh 74185fgh 74186fgh 74188fgh 74189fgh 74312fgh 74316fgh 74317fgh 74318fgh 74319fgh 74475fgh 74476fgh 74477fgh 74478fgh 74479fgh 74480fgh 74481fgh 74482fgh 74483fgh 74484fgh 75262fgh 75263fgh 75265fgh 75266fgh 75268fgh 75281fgh 75283fgh 75284fgh 75285fgh 75286fgh 75390fgh 75394fgh 75395fgh 75397fgh 75399fgh 75430fgh 75434fgh 75436fgh 75438fgh 75439fgh 75692fgh 75696fgh	31.XII.2017

<i>Provider</i>	<i>Numbering series</i>	<i>Date of withdrawal</i>
TDC A/S	1000-serie: 75697fgh 75698fgh 75699fgh 75874fgh 75875fgh 75877fgh 75878fgh 75879fgh 76351fgh 76352fgh 76357fgh 76358fgh 76359fgh 76872fgh 76874fgh 76876fgh 76877fgh 76878fgh 79200fgh 79205fgh 79206fgh 79208fgh 79209fgh 79230fgh 79235fgh 79237fgh 79238fgh 79239fgh 79244fgh 79245fgh 79246fgh 79248fgh 79249fgh 79310fgh 79312fgh 79314fgh 79318fgh 79319fgh 79382fgh 79385fgh 79386fgh 79387fgh 79388fgh 79400fgh	31.XII.2017

<i>Provider</i>	<i>Numbering series</i>	<i>Date of withdrawal</i>
TDC A/S	1000-serie: 79401fgh 79402fgh 79403fgh 79407fgh 79710fgh 79712fgh 79713fgh 79714fgh 79719fgh 79720fgh 79721fgh 79723fgh 79728fgh 79729fgh 79961fgh 79964fgh 79967fgh 79968fgh 79969fgh 86455fgh 86456fgh 86457fgh 86458fgh 86459fgh 86490fgh 86493fgh 86498fgh 86499fgh 86594fgh 86595fgh 86597fgh 86598fgh 86599fgh 86604fgh 86605fgh 86606fgh 86607fgh 86894fgh 86895fgh 86896fgh 86897fgh 86899fgh 86913fgh 86916fgh	31.XII.2017

<i>Provider</i>	<i>Numbering series</i>	<i>Date of withdrawal</i>
TDC A/S	1000-serie: 86917fgh 86918fgh 86919fgh 87590fgh 87593fgh 87595fgh 87598fgh 87599fgh 87670fgh 87671fgh 87672fgh 87673fgh 87676fgh 87683fgh 87685fgh 87687fgh 87688fgh 87689fgh 87690fgh 87691fgh 87692fgh 87694fgh 87697fgh 87771fgh 87772fgh 87775fgh 87777fgh 87778fgh 87805fgh 87806fgh 87807fgh 87808fgh 87809fgh 87952fgh 87953fgh 87954fgh 87956fgh 87957fgh 87980fgh 87984fgh 87986fgh 87987fgh 87988fgh 89194fgh	31.XII.2017



<i>Provider</i>	<i>Numbering series</i>	<i>Date of withdrawal</i>
TDC A/S	1000-serie: 89195fgh 89196fgh 89198fgh 89199fgh 89220fgh 89221fgh 89226fgh 89227fgh 89229fgh 89261fgh 89263fgh 89265fgh 89268fgh 89269fgh 89270fgh 89271fgh 89277fgh 89278fgh 89279fgh 89460fgh 89461fgh 89466fgh 89467fgh 89469fgh 89590fgh 89596fgh 89597fgh 89598fgh 89599fgh 96122fgh 96124fgh 96125fgh 96128fgh 96129fgh 96150fgh 96156fgh 96157fgh 96158fgh 96159fgh 96381fgh 96382fgh 96384fgh 96387fgh 96388fgh	31.XII.2017

<i>Provider</i>	<i>Numbering series</i>	<i>Date of withdrawal</i>
TDC A/S	1000-serie: 96390fgh 96392fgh 96393fgh 96394fgh 96395fgh 96521fgh 96523fgh 96524fgh 96526fgh 96527fgh 96590fgh 96596fgh 96597fgh 96598fgh 96599fgh 96620fgh 96621fgh 96623fgh 96624fgh 96628fgh 96762fgh 96765fgh 96766fgh 96767fgh 96769fgh 96770fgh 96772fgh 96773fgh 96777fgh 96778fgh 96804fgh 96805fgh 96806fgh 96807fgh 96809fgh 96993fgh 96994fgh 96997fgh 96998fgh 96999fgh 97130fgh 97134fgh 97135fgh 97138fgh	31.XII.2017

<i>Provider</i>	<i>Numbering series</i>	<i>Date of withdrawal</i>
TDC A/S	1000-serie: 97139fgh 97170fgh 97174fgh 97176fgh 97177fgh 97179fgh 97310fgh 97314fgh 97317fgh 97318fgh 97319fgh 97340fgh 97344fgh 97345fgh 97347fgh 97349fgh 97355fgh 97356fgh 97357fgh 97358fgh 97415fgh 97416fgh 97417fgh 97418fgh 97480fgh 97483fgh 97486fgh 97488fgh 97489fgh 97743fgh 97745fgh 97747fgh 97748fgh 97749fgh 97870fgh 97873fgh 97874fgh 97876fgh 97877fgh 97950fgh 97954fgh 97955fgh 97957fgh 97958fgh	31.XII.2017

<i>Provider</i>	<i>Numbering series</i>	<i>Date of withdrawal</i>
TDC A/S	1000-serie: 97964fgh 97966fgh 97967fgh 97968fgh 97969fgh 97992fgh 97994fgh 97996fgh 97998fgh 97999fgh 98280fgh 98285fgh 98287fgh 98288fgh 98289fgh 98390fgh 98394fgh 98395fgh 98397fgh 98399fgh 98400fgh 98403fgh 98404fgh 98405fgh 98406fgh 98560fgh 98563fgh 98564fgh 98567fgh 98568fgh 98700fgh 98701fgh 98702fgh 98707fgh 98708fgh 98840fgh 98845fgh 98846fgh 98848fgh 98849fgh 98853fgh 98855fgh 98856fgh 98858fgh	31.XII.2017

<i>Provider</i>	<i>Numbering series</i>	<i>Date of withdrawal</i>
TDC A/S	1000-serie: 98859fgh 98950fgh 98953fgh 98955fgh 98957fgh 98959fgh 99110fgh 99112fgh 99114fgh 99115fgh 99119fgh 99170fgh 99175fgh 99176fgh 99178fgh 99179fgh 99220fgh 99226fgh 99227fgh 99228fgh 99229fgh 99233fgh 99236fgh 99237fgh 99238fgh 99239fgh	31.XII.2017

CORRIGENDUM\* - Communication of 19.I.2018:

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

- assignment – M2M communication

<i>Provider</i>	<i>Numbering series</i>	<i>Date of assignment</i>
Telenor A/S	37100130ijkl, 37100131ijkl, 37100132ijkl, 37100133ijkl, 37100134ijkl, 37100135ijkl, 37100136ijkl, 37100137ijkl, 37100138ijkl and 37100139ijkl	13.XII.2017

\* This announcement cancels and replaces that published in ITU Operational Bulletin No. 1140 of 15.I.2018, page 5, M2M communication for Telenor A/S.

Contact:

Danish Energy Agency  
Amaliegade 44  
1256 COPENHAGEN K  
Denmark  
Tel: +45 33 92 67 00  
Fax: +45 33 11 47 43  
E-mail: ens@ens.dk  
URL: www.ens.dk

## Hungary (country code +36)

Communication of 10.I.2018:

The *National Media and Infocommunications Authority*, Budapest, announces the updated E.164 National Numbering Plan (NNP) for Hungary (country code +36).

### *Description of deletion of resource for national E.164 numbering plan for Hungary (country code +36)*

<i>NDC (National Destination Code)</i>	<i>Usage of E.164 Number</i>	<i>Time and date of deletion</i>
40	Non-geographic number: Freephone service (national)	31.XII.2017

### *Presentation of E.164 National Numbering Plan (NNP) for Hungary (country code +36)*

(a) Overview:

Minimum number length (excluding country code): eight (8) digits.  
Maximum number length (excluding country code): twelve (12) digits.

(b) Link to the national database (or any applicable list) with assigned ITU-T E.164 numbers within the national numbering plan:

NMIAH Assignment of Communication Identifiers:

<http://english.nmhh.hu/stakeholders/identifier-management/identifier-registry>

(c) Link to the real-time database reflecting ported ITU-T E.164 numbers:

Phone number ported status: <http://krapub.nmhh.hu/?lang=en>

(d) Detail of numbering scheme:

<i>NDC (National Destination Code)</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>		
1	8	8	Geographic number	Area code for Budapest
20	9	9	Non-geographic number	Mobile
21	9	9	Non-geographic number	Nomadic telephone service
22	8	8	Geographic number	Area code for Székesfehérvár
23	8	8	Geographic number	Area code for Biatorbágy
24	8	8	Geographic number	Area code for Szigetszentmiklós
25	8	8	Geographic number	Area code for Dunaújváros
26	8	8	Geographic number	Area code for Szentendre
27	8	8	Geographic number	Area code for Vác
28	8	8	Geographic number	Area code for Gödöllő
29	8	8	Geographic number	Area code for Monor
30	9	9	Non-geographic number	Mobile
31	9	9	Non-geographic number	Mobile
32	8	8	Geographic number	Area code for Salgótarján
33	8	8	Geographic number	Area code for Esztergom

NDC (National Destination Code)	N(S)N number length		Usage of E.164 Number	Additional information
	Maximum length	Minimum length		
34	8	8	Geographic number	Area code for Tatabánya
35	8	8	Geographic number	Area code for Balassagyarmat
36	8	8	Geographic number	Area code for Eger
37	8	8	Geographic number	Area code for Gyöngyös
38	9	9	Non-geographic number	Corporate networks
39	–	–	–	
40	–	–	–	
41	–	–	–	
42	8	8	Geographic number	Area code for Nyíregyháza
43	–	–	–	
44	8	8	Geographic number	Area code for Mátészalka
45	8	8	Geographic number	Area code for Kisvárda
46	8	8	Geographic number	Area code for Miskolc
47	8	8	Geographic number	Area code for Szerencs
48	8	8	Geographic number	Area code for Ózd
49	8	8	Geographic number	Area code for Mezőkövesd
50	9	9	Non-geographic number	Mobile
51	8	8	Non-geographic number	Internet dial-up services
52	8	8	Geographic number	Area code for Debrecen
53	8	8	Geographic number	Area code for Cegléd
54	8	8	Geographic number	Area code for Berettyóújfalu
55	8	8	Geographic number	Test number
56	8	8	Geographic number	Area code for Szolnok
57	8	8	Geographic number	Area code for Jászberény
58	–	–	–	
59	8	8	Geographic number	Area code for Karcag
60	–	–	–	
61	–	–	–	
62	8	8	Geographic number	Area code for Szeged
63	8	8	Geographic number	Area code for Szentes
64	–	–	–	
65	–	–	–	
66	8	8	Geographic number	Area code for Békéscsaba
67	–	–	–	
68	8	8	Geographic number	Area code for Orosháza
69	8	8	Geographic number	Area code for Mohács
70	9	9	Non-geographic number	Mobile
71	12	12	Non-geographic number	M2M
72	8	8	Geographic number	Area code for Pécs
73	8	8	Geographic number	Area code for Szigetvár
74	8	8	Geographic number	Area code for Szekszárd
75	8	8	Geographic number	Area code for Paks
76	8	8	Geographic number	Area code for Kecskemét

NDC (National Destination Code)	N(S)N number length		Usage of E.164 Number	Additional information
	Maximum length	Minimum length		
77	8	8	Geographic number	Area code for Kiskunhalas
78	8	8	Geographic number	Area code for Kiskőrös
79	8	8	Geographic number	Area code for Baja
80	8	8	Non-geographic number	Freephone service (national)
81	–	–	–	
82	8	8	Geographic number	Area code for Kaposvár
83	8	8	Geographic number	Area code for Keszthely
84	8	8	Geographic number	Area code for Siófok
85	8	8	Geographic number	Area code for Marcali
86	–	–	–	
87	8	8	Geographic number	Area code for Tapolca
88	8	8	Geographic number	Area code for Veszprém
89	8	8	Geographic number	Area code for Pápa
90	8	8	Non-geographic number	Premium-rate service (adult)
91	8	8	Non-geographic number	Premium-rate service
92	8	8	Geographic number	Area code for Zalaegerszeg
93	8	8	Geographic number	Area code for Nagykanizsa
94	8	8	Geographic number	Area code for Szombathely
95	8	8	Geographic number	Area code for Sárvár
96	8	8	Geographic number	Area code for Győr
97	–	–	–	
98	–	–	–	
99	8	8	Geographic number	Area code for Sopron

Contact:

Mr Tamás Puss  
National Media and Infocommunications Authority, Hungary  
Visegrádi utca 106.  
1133 Budapest  
Hungary  
Tel: +36 1 468 0666  
Fax: +36 1 468 0690  
E-mail: puss.tamas@nmhh.hu / numbering@nmhh.hu  
URL: www.nmhh.hu



## Sierra Leone (country code +232)

Communication of 22.I.2018:

The *National Telecommunications Commission (NATCOM)*, Freetown, announces the following update to the national numbering plan of Sierra Leone:

### Presentation of national ITU-T E.164 numbering plan for country code 232

- a) Overview:  
The minimum number length (excluding the country code) is 8 digits.  
The maximum number length (excluding the country code) is 8 digits.
- b) Link to the national database (or any applicable list) with assigned ITU-T E.164 numbers within the national numbering plan (if any): n/a
- c) Link to the real-time database reflecting ported ITU-T E.164 numbers (if any): n/a
- d) Description of introduction of new resource for national E.164 numbering plan for country code 232:

NDC (national destination code) or leading digits of N(S)N (national (significant) number)	N(S)N number length		Usage of E.164 number	Additional information
	Maximum length	Minimum length		
75(NDC)	8	8	Non-geographic number for Orange SL	10-11-2017-13:00

International dialling format: +232 75X XXXXX

#### Contact:

Mr Abdul Bah  
National Telecommunications Commission  
3 Regent Road  
Hill Station, FREETOWN  
Sierra Leone  
Tel: +232 88 600 003 or +232 78 333 444  
E-mail: abah@natcom.gov.sl  
URL: www.natcom.gov.sl

## Service Restrictions

See URL: [www.itu.int/pub/T-SP-SR.1-2012](http://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)

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

See URL: [www.itu.int/pub/T-SP-PP.RES.21-2011/](http://www.itu.int/pub/T-SP-PP.RES.21-2011/)

# AMENDMENTS TO SERVICE PUBLICATIONS

Abbreviations used

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

## List of Ship Stations and Maritime Mobile Service Identity Assignments (List V) Edition of 2017

### Section VI

**SUP**

- SJ02** Director General for the Management of Royal Courts and Government Guest Palaces,  
P.O. Box 6350, Riyadh 11132, Saudi Arabia.  
Tel: +966 1 4547400, Fax: +966 1 454459, Tlx: 406350.
- SJ03** Ministry of Foreign Affairs, Technical Telecomm. Dept., Riyadh 1124, Saudi Arabia.  
Tel: +966 1 4015046, Fax: +966 1 4030670, Tlx: 405000.  
Contact Person: Ali Al Kahtani, Manager.
- SJ04** Ministry of Information, Accounting Dept., Riyadh-11171, Saudi Arabia.  
Tel: +966 1 4623333, Fax: +966 1 4626313, Tlx: 400 820.
- SJ05** Saudi Arabia Monetary Agency HO., P.O Box 2992, Riyadh - 11169, Saudi Arabia.  
Tel: +966 1 4633000, Fax: +966 1 4662400, Tlx: 401 736.
- SJ06** Superintendent NO & SD Communications, Operations Department,  
P.O. Box 96, Saudi Aramco, Dahahran-31311, Saudi Arabia.  
Tel: +966 3 8766966, Fax: +966 3 8768588, Tlx: 801 220.
- SJ07** Royal Flt. Opns., CC: 971, P.O. Box 167, Jeddah-21231, Saudi Arabia.  
Tel: +966 2 6842585, Tlx: 651007 commi sj.
- SJ08** Electronic Application Establishment, P.O. Box 10955, Riyadh 11443, Saudi Arabia.  
Tel: +966 1 4650834.
- SJ09** Ministry of Interior, General Director of Telecommunications, P.O. Box 1625,  
Riyadh 11441, Saudi Arabia.  
Tel: +966 1 4654072, Tlx: 205 205.
- SJ10** National Commercial Bank, P.O. Box 22217, Riyadh 11495, Saudi Arabia.  
Tel: +966 1 47878777 (ext. 220), Fax: +966 1 4790032.  
Contact Person: Branch Manager.
- SJ11** Ministry of Interior, Frontier Force Marine Affairs Department, Riyadh, Saudi Arabia.
- SJ12** Ministry of Interior, Telecommunications Department, General Director of Frontier  
Force, Riyadh 11135, Saudi Arabia.  
Tel: +966 1 4020222, Fax: +966 1 403 0358, Tlx: 401625.

**List of Issuer Identifier Numbers for  
the International Telecommunication Charge Card  
(in accordance with ITU-T Recommendation E.118 (05/2006))  
(Position on 15 November 2015)**

(Annex to ITU Operational Bulletin No. 1088 – 15.XI.2015)  
(Amendment No. 34)

**Denmark SUP**

<i>Country/ geographical area</i>	<i>Company Name/Address</i>	<i>Issuer Identifier Number</i>	<i>Contact</i>	<i>Effective date of cancellation</i>
Denmark	<b>Telia Sonera A/S</b> Ejby Industrivej 135 DK-2600 GLOSTRUP	<b>89 45 03</b>	Kim Philip Ejby Industrivej 135 DK-2600 GLOSTRUP Tel: +45 35 279200 Fax: +45 43 275499	18.IV.2000

**Russian Federation SUP**

<i>Country/ geographical area</i>	<i>Company Name/Address</i>	<i>Issuer Identifier Number</i>	<i>Contact</i>	<i>Effective date of cancellation</i>
Russian Federation	<b>Telecom XXI</b> 6 Proletarskoy Diktatory Square 193124 ST. PETERSBURG	<b>89 7 193</b>	Yuri B. Vymorkov ST. PETERSBURG Tel: +7 812 329 7447 Fax: +7 812 329 7448	30.VI.2005

**Switzerland SUP**

<i>Country/ geographical area</i>	<i>Company Name/Address</i>	<i>Issuer Identifier Number</i>	<i>Contact</i>	<i>Effective date of cancellation</i>
Switzerland	<b>Vectone Mobile Limited / Mundio Mobile Limited</b> 54 Marsh Wall LONDON E14 9TP (United Kingdom)	<b>89 41 28</b>	Alkesh Dave Mundio Mobile Limited, 54 Marsh Wall, LONDON E14 9TP (United Kingdom) Tel: +44 2035364800 Fax: +44 2070050562 E-mail: legal@mundio.com	18.XII.2017

**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 1st November 2016)**

(Annex to ITU Operational Bulletin No. 1111 – 1.XI.2016)  
(Amendment No. 29)

<i>Country/Geographical area</i>	<i>MCC+MNC *</i>	<i>Operator/Network</i>
<b>Australia ADD</b>		
	505 43	Arrow Energy Pty Ltd
<b>Canada ADD</b>		
	302 420	A.B.C. Allen Business Communications Ltd.

\* 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. 56)

<i>Country or area/ISO code Company Name/Address</i>	<i>Company Code (carrier code)</i>	<i>Contact</i>
<b>Germany (Federal Republic of) / DEU      ADD</b>		
cyberways Informationsdienste GmbH Beim Glaspalast 1 86153 AUGSBURG	<b>CWAYS</b>	Mr Jan Baumann Tel:        +49 821 72042 0 Fax:        +49 821 72042 42 E-mail:    jb@cyberways.net
HT Kommunikation GmbH & Co.KG Raiffeisenstrasse 5 77704 OBERKIRCH	<b>HTKOM</b>	Tel:        +49 7802 70407 0 Fax:        +49 7802 70407 29 E-mail:    portierung@ht-kommunikation.de
<b>Switzerland (Confederation of) / CHE      SUP</b>		
AAA COMMUNICATION EUROPE AG Gasometerstrasse 34 8005 ZÜRICH	<b>ACE</b>	Mr Allan Barquero Tel:        +41 76 7922495 E-mail:    info@acommgrou.com

## List of International Signalling Point Codes (ISPC) (According to Recommendation ITU-T Q.708 (03/1999)) (Position on 1 October 2016)

(Annex to ITU Operational Bulletin No. 1109 – 1.X.2016)  
(Amendment No. 29)

<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>
<b>Panama ADD</b>				
	7-031-0	14584	BTPTY1	Telecomunicaciones NetUno de Panama SA
<b>Singapore SUP</b>				
	5-054-6	10678	Phoenix-Comcentre III	Phoenix Communications Pte Ltd
<b>Singapore LIR</b>				
	5-052-0	10656	International standalone STP-2	Singapore Telecommunications Ltd
	5-052-1	10657	East Gateway - Trunk (EGT)	Singapore Telecommunications Ltd
	5-141-5	11373	M1-MOC-NGN SG	M1 Limited
	5-141-6	11374	M1-MOC-NGN SS	M1 Limited
	5-141-7	11375	M1-TMOC2	M1 Limited
	5-142-0	11376	M1-TROC2	M1 Limited

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](http://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](mailto: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 1.1.2018, the following countries/geographical areas have updated their national numbering plan on our site:

<i>Country/ Geographical area</i>	<i>Country Code (CC)</i>
Malawi	+265