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International Telecommunication Union (ITU)

Place des Nations CH-1211 Genève 20
(Switzerland)

Tel: +41 22 730 5111

www.itu.int/itu-t/bulletin/index.html

Tg: Itu Genève
Tlx: 421000 uit ch
Fax: +41 22 730 5853
+41 22 733 7256

E-mail: tsbtson@itu.int
tsbmail@itu.int
itumail@itu.int

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Contact Telecommunication
Standardization Bureau (TSB):
Tel: +41 22 730 5222
Fax: +41 22 730 5853

including information
received by:

08.I.2003
27.I.2003
10.II.2003

Contact Radiocommunication
Bureau (BR):
Tel: +41 22 730 5217
Fax: +41 22 730 5785

GENERAL INFORMATION

Lists annexed to the 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.

- 665 Various tones used in national networks (Supplement 2 to ITU-T Recommendation E.180) (Position on 1 April 1998)
- 669 Five-letter Code Groups for the use of the International Public Telegram Service (According to ITU-T Recommendation F.1 (03/98))
- 691 Service Restrictions (Recapitulatory list of service restrictions in force relating to telecommunications operation) (Position on 1 May 1999)
- 693 List of Telex Destination Codes (TDC) and Telex Network Identification Codes (TNIC) (Complement to ITU-T Recommendations F.69 and F.68) (Position on 31 May 1999)
- 720 List of Data Country or Geographical Area Codes (Complement to ITU-T Recommendation X.121) (Position on 15 July 2000)
- 725 List of Names of Administration Management Domains (ADMD) (In accordance with ITU-T F.400 and X.400 series Recommendations) (Position on 30 September 2000)
- 741 List of Mobile Country or Geographical Area Codes (Complement to ITU-T Recommendation E.212 (11/98)) (Position on 1 June 2001)
- 757 List of Issuer Identifier Numbers for the International Telecommunication Charge Card (in accordance with ITU-T Recommendation E.118) (Position on 1 February 2002)
- 759 Dialling Procedures (International prefix, national (trunk) prefix and national (significant) number) (In accordance with ITU-T Recommendation E.164 (05/97)) (Position on 1 March 2002)
- 761 List of International Signalling Point Codes (ISPC) (According to ITU-T Recommendation Q.708 (03/99)) (Position on 1 April 2002)
- 763 List of ITU-T Recommendation E.164 assigned country codes (Complement to ITU-T Recommendation E.164 (05/1997)) (Position on 1 May 2002)
- 764 List of Telegram Destination Indicators (In accordance with ITU-T Recommendation F.32) (Position on 15 May 2002)
- 765 Access codes/numbers for mobile networks (According to ITU-T Recommendation E.164) (Position on 1 June 2002)
- 766 List of Country or Geographical Area Codes for non-standard facilities in telematic services (Complement to ITU-T Recommendation T.35) (Position on 15 June 2002)
- 767 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 2002)
- 767 List of Signalling Area/Network Codes (SANC) (Complement to ITU-T Recommendation Q.708 (03/99)) (Position on 1 July 2002)
- 777 List of Data Network Identification Codes (DNIC) (According to ITU-T Recommendation X.121 (10/00)) (Position on 1 December 2002)
- 779 Mobile Network Code (MNC) for the international identification plan for mobile terminals and mobile users) (According to ITU-T Recommendation E.212 (11/98)) (Position on 1 January 2003)

- B. The following Lists are now available on-line from the ITU-T website:

List of ITU Carriers Codes

(ITU-T Rec. M.1400 (02/2000))

<http://www.itu.int/ITU-T/inr/icc/index.html>

Bureaufax Table (ITU-T Rec. F.170)

<http://www.itu.int/ITU-T/inr/bureaufax/index.html>

Approval of ITU-T Recommendations

A.1 By TSB Circular 133 of 22 November 2002, it was announced that the following new and revised ITU-T Recommendations were approved, in accordance with the procedures outlined in § 6.2 of ITU-T Recommendation A.8 (Montreal, 2000):

- ITU-T Recommendation Y.1710 (08/11/2002): Requirements for OAM functionality for MPLS networks
- ITU-T Recommendation Y.1711 (08/11/2002): OAM mechanism for MPLS networks

A.2 By TSB AAP-44 of 1 December 2002, it was announced that the following ITU-T Recommendations were approved, in accordance with the procedures outlined in ITU-T Recommendation A.8:

- ITU-T Recommendation G.722.2 Annex F (29/11/2002): AMR-WB usage in H.245
- ITU-T Recommendation H.225.0 Amendment 1 (29/11/2002): Revised Annex G: Communication between administrative domains
- ITU-T Recommendation H.233 (29/11/2002): Confidentiality system for audiovisual services
- ITU-T Recommendation H.234 (29/11/2002): Encryption key management and authentication system for audiovisual services
- ITU-T Recommendation H.248.11 (29/11/2002): Gateway control protocol: Media gateway overload control package
- ITU-T Recommendation H.248.12 Amendment 1 (29/11/2002): New Annex A: Extended H.324, H.245 command and H.245 indication packages
- ITU-T Recommendation H.248.16 (29/11/2002): Gateway control protocol: Extended DTMF detection package
- ITU-T Recommendation H.248.17 (29/11/2002): Gateway control protocol: Line test package
- ITU-T Recommendation H.248.18 (29/11/2002): Gateway control protocol: Package for support of multiple profiles
- ITU-T Recommendation H.248.20 (29/11/2002): Gateway control protocol: The use of local and remote descriptors with H.221 and H.223 multiplexing
- ITU-T Recommendation H.324 Corr. 1 (29/11/2002)
- ITU-T Recommendation H.460.3 (29/11/2002): Circuit maps within H.323 systems
- ITU-T Recommendation H.460.4 (29/11/2002): Call Priority Designation for H.323 calls
- ITU-T Recommendation H.460.5 (29/11/2002): H.225.0 transport of multiple Q.931 IE of the same type
- ITU-T Recommendation H.460.6 (29/11/2002): Extended Fast Connect feature
- ITU-T Recommendation H.460.7 (29/11/2002): Digit maps within H.323 systems
- ITU-T Recommendation H.460.8 (29/11/2002): Querying for alternate routes within H.323 systems
- ITU-T Recommendation H.460.9 (29/11/2002): Support for real-time QoS monitoring
- ITU-T Recommendation T.37 Amendment 3 (29/11/2002)
- ITU-T Recommendation T.803 (29/11/2002): Information technology – JPEG 2000 image coding system: Conformance testing
- ITU-T Recommendation V.18 Amendment 1 (29/11/2002)

Developments regarding Internationalized Domain Names

Note from TSB

1. The ITU Plenipotentiary Conference in Marrakesh (2002) adopted a new Resolution, PLEN/5, on the Role of Administrations of Member States in the management of internationalized (multilingual) domain names. The text of this Resolution is to be found in Annex 1 of this Circular*.

2. In accordance with the instructions given in that Resolution, attention should be brought to certain recent standardization developments regarding Internationalized Domain Names (IDN).

3. ITU-T Study Group 2 could act as a focal point to collect any comments and to organize discussions and liaisons as appropriate in case there are any enquiries or concerns. Possible regional workshops or seminars are currently being evaluated, which could be conducted in cooperation with regional organizations. All suggestions are welcomed.

4. For background information on IDN, please refer to the briefing paper available at <http://www.itu.int/mlds/briefingpaper/index.html> and the presentations available at <http://www.itu.int/mlds/presentations/index.html>

5. The Internet Engineering Task Force (IETF) has approved three documents which, taken together, provide a technical foundation for handling domain names with Unicode characters (that is, domain names which contain non-ASCII characters). These documents are:

- "Internationalizing Domain Names in Applications (IDNA)", available at <http://www.ietf.org/internet-drafts/draft-ietf-idn-idna-14.txt> which defines the use of Unicode-based domain names in DNS and other protocols;
- "Nameprep: A Stringprep Profile for Internationalized Domain Names", available at <http://www.ietf.org/internet-drafts/draft-ietf-idn-nameprep-11.txt> which defines the string preparation profile for domain names;
- "Preparation of Internationalized Strings ("stringprep")" available at <http://www.ietf.org/internet-drafts/draft-hoffman-stringprep-07.txt> which provides the foundation for comparison of Unicode-based strings.

6. Implementation of IDN raises some very complex issues. In particular, before accepting IDN-based domain names, registries should define a policy for what scripts they accept, that is, a policy for which subset of Unicode they accept. These issues are discussed in the Internet Draft "Internationalized Domain Names Registration and Administration Guideline for Chinese, Japanese and Korean" available at <http://www.ietf.org/internet-drafts/draft-jseng-idn-admin-01.txt>. This document has not been approved by the IETF and is currently undergoing review.

7. The Internet Draft "National and Local Characters in DNS TLD Names" available at <http://www.ietf.org/internet-drafts/draft-klensin-idn-tld-00.txt> reviews some of the motivations for IDN, the constraints imposed by the Domain Name System, and suggests an alternative, local translation, that may solve certain problems. This document has not been approved by the IETF and has been offered for discussion.

8. The Internet Draft "Japanese characters in Internationalized Domain Name label" available at <http://www.ietf.org/internet-drafts/draft-yoneya-idn-jpchar-01.txt> provides guidelines to any DNS zone administrator who accepts Japanese as an IDN label. This document has not been approved by the IETF and has been offered for discussion.

9. The Internet Corporation for Assigned Names and Numbers (ICANN) has also published several reports and papers which discuss various aspects of IDN. See "IDN Committee Final Report to the ICANN Board" at <http://www.icann.org/committees/idn/final-report-27jun02.htm> and the presentations referenced at the bottom of <http://www.icann.org/committees/idn/>.

* See TSB Circular 139 of 9 December 2002.

Assignment of Signalling Area/Network Codes (SANC) (ITU-T Recommendation Q.708 (03/99))

Note from TSB

At the request of the Administrations of Germany, Romania and the United Kingdom, the Director of the TSB has assigned the following signalling area/network codes (SANC) for use in the international part of the signalling system No. 7 networks of these countries/geographical areas, in accordance with ITU-T Recommendation Q.708 (03/99):

<i>Country/geographical area or signalling network</i>	<i>SANC</i>
Germany (Federal Republic of)	3-252
Romania	4-252
United Kingdom of Great Britain and Northern Ireland	7-251

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

Telephone Service

Afghanistan (country code +93)

Communication of 5.XII.2002:

The *Ministry of Communications of the Transitional Islamic Government of Afghanistan*, Kabul, announces that, in collaboration with M/S Instanet Ltd, it has successfully installed five VSATs in the five major cities of Afghanistan for international and domestic voice and data connectivity.

M/S Arbinet is the international gateway, their address is as follows:

New York Exchange Delivery Point and Corporate Office
Arbinet-thexchange, Inc.
75 Broad St., 20th Floor
NEW YORK, NY 10004
United States
Tel: +1 917 320 2000
Fax: +1 917 320 1895

Calls to the following cities, through the above-mentioned exchange, will be made according to the following numbering plan:

<i>Name of City</i>	<i>Exchange Description</i>	<i>Access Number</i>
Kabul	Digital Exchange	+93 20 XXX XXXX
	Old Analogue Exchange (number through operator)	+93 20 210 2500
Heart	Digital Exchange	+93 40 XXXXXX
Mazar-E-Sherif	Digital Exchange	+93 50 XXXXXX
	Analogue Exchange	+93 50 XXXX
Kandahar	Digital Exchange	+93 30 XXXXXX
Jalalabad	PABX	+93 60 (101-6)

For any technical information, please contact:

Telecommunications Department
 Mohammad Jan Khan Watt
 MoC Building, 6th Floor
 KABUL
 Afghanistan
 Tel: +93 20 210 1105
 Fax: +93 20 210 1705
 E-mail: telecomdir@af-com-ministry.org or
 kholmi@yahoo.com

or

M/S Instanet Ltd.
 Mohammad Jan Khan Watt
 MoC Building, 5th Floor
 KABUL
 Afghanistan
 Tel: +93 20 210 1678
 Fax: +93 20 210 1679
 E-mail: rahmatkamran@yahoo.com

Cuba (country code +53)

Communication of 25.XI.2002:

Empresa de Telecomunicaciones de Cuba S.A. (ETECSA), La Habana, announces the following changes in Cuba's National Numbering Plan (NNP):

<i>Central</i>	<i>New subscriber number</i>	<i>Service</i>	<i>Activation date</i>
Ciudad de La Habana	+53 7 6490XXX – +53 7 6498XXX	Fixed	7.XII.2002
Holguín	+53 24 431XXX	Fixed	21.XII.2002
Holguín	+53 24 376XX	Fixed	11.I.2003
Villa Clara	+53 42 200XX +53 42 201XX +53 42 275XX +53 42 283XX +53 42 294XX	Fixed	28.XI.2002
Cienfuegos	+53 43 695XX	Fixed	25.II.2003

Contact:

Katy Repiso González
Numbering Plan International
UNI, ETECSA
1427 33 Street e/14 y 18, Playa
LA HABANA
Cuba
Tel: +53 7 204 2476
Fax: +53 7 204 5069
E-mail: numberplan@vpoi.tel.etecsa.cu

Guinea (country code +224)

Communication of 21.XI.2002:

The *Direction nationale des Postes et Télécommunications*, Conakry, announces that the following numbering plan is currently in force in Guinea:

Area code	Subscriber number	Service
11	21 XXXX 22 XXXX 23 XXXX 25 XXXX 26 XXXX 27 XXXX 28 XXXX 29 XXXX 33 XXXX 34 XXXX 54 XXXX 55 XXXX 57 XXXX 58 XXXX 59 XXXX	Mobile Sotelgui
12	66 XXXX 67 XXXX 69 XXXX	Mobile Spacetel
13	10 XXXX 35 XXXX 40 XXXX	Mobile Intercel
None	41 XXXX 42 XXXX 43 XXXX 45 XXXX 46 XXXX	FW/Câble Conakry
None	24 XXXX 31 XXXX 32 XXXX 51 XXXX 52 XXXX 53 XXXX 61 XXXX 68 XXXX 69 XXXX 71 XXXX 81 XXXX 91 XXXX 94 XXXX 97 XXXX 98 XXXX	Fria Boke CBG Kamsar Labe RillLabe Pita Kindia Mamou Dalaba Kankan Faranah Nzerekore Macenta Gueckedou Kissidougou

Contact:

Télécommunications Guinéennes (Sotelgui S.A.)
CONAKRY
Guinée
Tel: +224 45 0235
Fax: +224 41 2000

Micronesia (country code +691)

Communication of 28.XI.2002:

Federated States of Micronesia (FSM) Telecommunication Corporation, Kolonia, Pohnpei, announces the following number ranges in Micronesia.

- The existing number ranges are:

<i>Locality</i>	<i>Number range</i>
Pohnpei	320 1000 to 320 9999
Chuuk	330 1000 to 330 9999
Yap	350 1000 to 350 9999
Kosrae	370 1000 to 370 9999

- The new number ranges are:

<i>Locality</i>	<i>Number range</i>	<i>Service</i>
Pohnpei and Pohnpei outer island	920 1000 to 929 9999	fixed and mobile
Chuuk and Chuuk outer island	930 1000 to 949 9999	fixed and mobile
Yap and Yap outer island	950 1000 to 969 9999	fixed and mobile
Kosrae	970 1000 to 979 9999	mobile

Administrations and ROAs are requested to programme these new ranges in their switching equipment. All services are not yet activated but it is planned to do so in the near future.

Contact:

Mr Kevin Mulholland
Federated States of Micronesia (FSM)
Telecommunication Corporation
P.O. Box 1210
KOLONIA, POHNPEI, FM 96941
Micronesia
Tel: +691 320 2740
Fax: +691 320 2745
E-mail: kmulholland@mail.fm
URL: www.fm

Saint Vincent and the Grenadines (country code +1 784)

Communication of 3.XI.2002:

Cable and Wireless (West Indies) Ltd, Kingstown, announces that numbering range 488 XXXX was put in service in November 2002.

International dialling format: +1 784 488 XXXX
Test number: +1 784 488 1000

The existing central office codes (NXX) in Saint Vincent and the Grenadines are:

<i>NXX code</i>	<i>Status</i>	<i>Service</i>	<i>In service</i>
450 XXXX	In service	Direct Inward Dial (DID)	2001
451 XXXX	In service	Telephone	2000
452 XXXX	In service	Direct Inward Dial (DID)	2001
453 XXXX	In service	Telephone	2002
454 XXXX	In service	Cellular Prepaid	1.I.2003
455 XXXX	In service	Cellular Prepaid	1.VIII.2002
456 XXXX	In service	Telephone	1975
457 XXXX	In service	Telephone	1975
458 XXXX	In service	Telephone	1980
480 XXXX	Reserved	Telephone	
481 XXXX	Reserved	Telephone	
482 XXXX	In service	Telephone	2000
483 XXXX	Reserved	Telephone	
484 XXXX	Reserved	Telephone	
485 XXXX	In service	Paging & Telephone	2000
486 XXXX	Reserved	Telephone	
487 XXXX	Reserved	Telephone	
488 XXXX	In service	Telephone – Mustique Island	XI.02
489 XXXX	Reserved	Telephone	
491 XXXX	Reserved	Telephone	
492 XXXX	Reserved	Telephone	
493 XXXX	In service	Normal Cellular Service	1995
494 XXXX	Reserved	Telephone	
495 XXXX	Reserved	Telephone	
593 XXXX	In service	Cellular Prepaid	2001

Collect calls to subscribers of the mobile cellular network are not accepted and no outpayments will be made for such calls.

Contact:

Scott St.Clair
 Cable and Wireless (West Indies) Ltd
 P.O. Box 103
 Halifax Street
 KINGSTOWN
 Saint Vincent and the Grenadines
 Tel: +1 784 457 1901
 Fax: +1 784 457 2771

Trinidad and Tobago (+1 868)

Communication of 13.XII.2002:

Telecommunication Services of Trinidad and Tobago Limited (TSTT), Port-of-Spain, announces that new Central Office codes (NXX) have been introduced in Trinidad and Tobago.

Details of the NXX codes are as follows:

<i>NXXs</i>	<i>Service</i>	<i>Effective date</i>
787	Cellular	Immediate
788	Cellular	Immediate
789	Cellular	Immediate
790	Cellular	Immediate
791	Cellular	Immediate
792	Cellular	Immediate
793	Cellular	Immediate
794	Cellular	Immediate
795	Cellular	Immediate
796	Cellular	Immediate
797	Cellular	Immediate
798	Cellular	Immediate
799	Cellular	Immediate

The international dialling format is +1 868 NXX XXXX.

Collect calls to subscribers of the mobile cellular network and special service codes (including virtual telephony) in Trinidad and Tobago are not accepted and no outpayments will be made for such calls.

Contact:

Brian Crouch
ag. Manager, Network Operations
Telecommunication Services of Trinidad and Tobago Limited (TSTT)
PORT-OF-SPAIN
Trinidad and Tobago
Tel +1 868 624 2928
Fax: +1 868 624 6525
E-mail: bcrouch@tstt.co.tt

Changes in Administrations/ROAs and other entities or Organizations

Argentina

Communication of 27.XI.2002:

Issue of licence and granting of recognized operating agency (ROA) status

The *Administration of Argentina*, Buenos Aires, announces that, with effect from 1st September 1997 and for a period of 30 years, it has granted the concession for all of the postal, money and telegraph services formerly provided by the *Empresa Nacional de Correo y Telégrafos S.A. (ENCOTESA)* to the Company *Correo Argentino S.A.*, which has the status of telecommunication services licensee (see number 8.2 of the Contract of Concession approved by Dec. 840/97).

Further to the issuing of this licence, this new international telecommunication operator and service provider has been granted the status of recognized operating agency (ROA), in accordance with Article 6 of, and Nos. 1007 and 1008 of the Annex to, the Constitution of ITU as contained in the Final Acts of the Additional Plenipotentiary Conference (Geneva, 1992).

Contact:

Sra Paula Inés Córdoba
Gerente
Relaciones Internacionales e Institucionales
Comisión Nacional de Comunicaciones (CNC)
Gerencia de Relaciones Internacionales e Institucionales
Perú 103, Piso 8
C1067 AAC
BUENOS AIRES
Argentina
Tel: +54 11 4347 9323 / +54 11 4347 9308
Fax: +54 11 4347 9332 / +54 11 4347 9546
E-mail: pcordova@cnc.gov.ar
URL: www.cnc.gov.ar

Iran (Islamic Republic of)

Communication of 30.X.2002:

The *Ministry of Posts, Telegraph and Telephone*, Tehran, announces that in line with the provisions and purposes of the third program for Social and Economic Development of the Islamic Republic of Iran, the Regulatory Authority is now being established in the Ministry to oversee activities of independent operators and ensure fair competition among public and private operators. In this connection, the Minister has recently appointed Mr M. Davari Nejad as the Head of the Regulatory Authority and the *Office of Radio Telecommunications* headed by Mr H. Rouh Bakhsh will thence report to him. To this end, the above office will, from November 2002, be engaged with ITU-R (radio frequency and regulatory related matters), while other activities will be handled through the "Department of International Relations" which operates under the Deputy Minister for International Affairs. The above Department will indeed serve as the focal point for overall ITU activities (ITU-R, ITU-D, ITU-T) and correspondances.

For further information, please contact:

Mr Ali Kermanshah
Deputy Minister for International Affairs
Ministry of Posts, Telegraph and Telephone
Directorate General of Telecommunications
Dr Shariati Avenue
P.O. Box 15875-4415
15598 TEHRAN
Islamic Republic of Iran
Tel: +98 21 870 4375
Fax: +98 21 870 4218
E-mail: kermanshah@ptt.gov.ir

Panama

Communication of 30.X.2002:

The *Ente Regulador de los Servicios Públicos*, Panama, announces that, as from 2 January 2003, these new telecommunication operators will provide the basic local, national and international telecommunication services in Panama as follows:

- *Basic local telecommunication service*

Advanced Communication Network, S.A., Cable & Wireless Panama, S.A., Cable Onda, S.A., Galaxy Communications Corp., Tele-Carrier, Inc. and Telefónica del Istmo, S.A.;

- *Basic national telecommunication service*

Advanced Communication Network, S.A., Cable & Wireless Panama, S.A., Cable Onda, S.A., Communications and Networks Corp. – COMMNET Corp. -, Galaxy Communications Corp., Tele-Carrier, Inc., Telefónica del Istmo, S.A., TNR Holdings, Inc. and VOIP Comunicaciones de Panamá, S.A.;

- *Basic international telecommunication service*

Advanced Communication Network, S.A., Amerilat Telecom, Inc., Broadband Wireless Communications Corp., BSC de Panamá, S.A., Communications and Networks Corp. – COMMNET Corp. -, Galaxy Communications Corp., RG-Telecom, Inc., System One World Communication, S.A., Tele-Carrier, Inc., Telefónica del Istmo, S.A., TNR Holdings, Inc., Tricom Panamá, S.A. and VOIP Comunicaciones de Panamá, S.A..

For further information, please contact:

Mr Alex Anel Arroyo
Director Presidente
Ente Regulador de los Servicios Públicos
Dirección Nacional de Telecomunicaciones
Edificio Discount Bank & Trust, Co.
Calle 50 y 57
Apartado Postal 4931, Zona 5
PANAMÁ, 5
Panama
Tel: +507 265 3555
Fax: +507 265 3511 / +507 263 1034

Service Restrictions

Note from TSB

See the recapitulatory List of service restrictions still in force published as an annex to Operational Bulletin (OB) No. 691 of 1.V.1999 and the following subsequent communications concerning new, modified or deleted service restrictions:

<i>OB No.</i>		<i>OB No.</i>	
692	Canada (p. 4), Morocco (p. 8), Tonga (p. 5).	740	Vanuatu (p. 11).
694	Fiji (p. 5), Morocco (p. 9/10).	741	Swaziland (p. 17).
697	Finland (p. 5/6).	748	Kenya (p. 4).
698	Angola (p. 18).	749	Barbados (p. 8).
699	Malawi (p. 6), Sweden (p. 9).	750	Cyprus (p. 5-6).
700	Slovenia (p. 9).	751	Norway (p. 6), Singapore (p. 7).
701	United Arab Emirates (p. 12), Singapore (p. 5).	753	Peru (p. 9).
702	Samoa (p. 6).	754	Suriname (p. 4), Papua New Guinea (p. 5).
704	Finland (p. 13).	757	Portugal (p. 4).
707	Germany (p. 3), Morocco (p. 5).	758	Greenland (p. 7), Sweden (p. 7), Vatican (p. 8).
709	Uruguay (p. 8).	759	Cyprus (p. 7).
711	Slovenia (p. 8).	762	Greenland (p. 7).
714	Germany (p. 6), Malawi (p. 12).	766	Maldives (p. 19).
716	Norway (p. 17).	770	Netherlands Antilles (p. 9), Guyana (p. 9), Haiti (p. 9).
719	Denmark (p. 5).	772	Mozambique (p. 4).
722	Belize (p. 8).	773	Guyana (p. 4), Poland (p. 5).
724	Barbados (p. 6), United Arab Emirates (p. 7).	775	Andorra (p. 5), New Caledonia (p. 6).
726	Australia (p. 13, 31), Finland (p. 12), Indonesia (p. 16, 31), Malaysia (p. 12).	776	Aruba (p. 6), Belgium (p. 36), Bosnia and Herzegovina (p. 6), Dominica (p. 27), Gibraltar (p. 5), New Caledonia (p. 31).
727	Morocco (p. 5).	777	Netherlands (p. 6).
729	Uruguay (p. 17/18).	778	Guyana (p. 6-11), Yugoslavia (p. 16).
737	Belize (p. 8), Turks and Caicos Islands (p. 12).	779	Saint Vincent and the Grenadines (p. 8), Trinidad and Tobago (p. 9).
739	Gibraltar (p. 13).		

Call-Back and alternative calling procedures (Res. 21 Rev. PP-98)

Note from TSB

Countries/geographical areas for which an information regarding "Call-Back and certain alternative calling procedures not in accordance with the relevant regulations" has been published in the ITU Operational Bulletin (No.):

Algeria (621), Netherlands Antilles (627), Saudi Arabia (629), Azerbaijan (663), Bahrain (611), Belarus (616), Bulgaria (665), Burkina Faso (631), Burundi (607), Cameroon (671), China (599), Cyprus (626), Colombia (602), Cook Islands (681), Cuba (632), Djibouti (614), Egypt (599, 690), United Arab Emirates (627), Ecuador (619), Ethiopia (657), Gabon (631), Guinea (681), Honduras (613), India (627), Jamaica (648), Japan (649), Jordan (652), Kazakstan (619), Kenya (605), Kyrgyzstan (616), Kuwait (610), Latvia (617), Lebanon (642), Madagascar (639), Malaysia (603), Malta (688), Morocco (619), Mexico (697), Monaco (749), Niger (618), Nigeria (647), Uganda (603), Qatar (593), Dem. Rep. of the Congo (672), Seychelles (631), Sudan (686), South Africa (655), Tanzania (624), Thailand (611), Turkey (612), Viet Nam (619), Wallis and Futuna (649), Yemen (622).

In addition, the following countries/geographical areas stated that the practice of "Call-Back" is prohibited on their territory:

Belize, Benin, Botswana, Brazil, Brunei Darussalam, Central African Rep., Costa Rica, Côte d'Ivoire, Fiji, Gambia, Ghana, Greece, Haiti, Hungary, Iran (Islamic Republic of), Ireland, Israel, Lesotho, Lithuania, Macao China, The Former Yugoslav Republic of Macedonia, Malawi, Mauritius, Moldova, Nicaragua, Oman, Pakistan, Panama, Papua New Guinea, Peru, Philippines, Samoa, Suriname, Syria, Chad, Tunisia, Tuvalu, Vanuatu, Zambia.

This information is the result of a survey made by ITU-T Study Group 3 in accordance with Resolution 21 (Rev. Minneapolis, 1998) of the Plenipotentiary Conference (Minneapolis, 1998) and Resolution 29 of the World Telecommunication Standardization Assembly, WTSA-2000 (Montreal, 2000).

All the countries/geographical areas which prohibit or allow the practice of "Call-Back" are listed on the ITU Website at the following address: <http://www.itu.int/itudoc/itu-t/com3/callback/position.html>

AMENDMENTS TO SERVICE DOCUMENTS

Abbreviations used

ADD insert
COL column
LIR read
P page(s)

PAR paragraph
REP replace
SUP delete

**List
of Ship Stations
(List V)
42nd Edition, July 2002
and Supplement No 1**

Part IV

Sous-section 2A / Sub-Section 2A / Subsección 2A

ADD

MP47 European Datacomm Maghreb S.A., Lotissement Attoufik – lot 11, Route de Nouaceur, Casablanca, Maroc.
(Tel: +212 22 436767, Fax: +212 22 436768, +212 22 436769,
E-mail: edcm@mifatelecom.ma)
Contact Persons: Abdelleh Sidqui and Youssef Bencheqroun

REP

UX02 Morcom, 1, Lanjeronovskaya Str., Odessa 65026, Ukraine.
(Tel: +380 482 219459, Fax: +380 482 219461, E-mail: morcom@te.net.ua)
Contact Person: T. Tkachuk

Sous-section 2C / Sub-Section 2C / Subsección 2C

P 178 D REP
(Supplement No 2)

D

- | | | | | |
|----|------|------|------|------|
| a) | CH01 | CY03 | CY05 | DP01 |
| | DP02 | DP03 | DP04 | DP05 |
| | DP07 | GB01 | NL01 | NO01 |
| | RS06 | SW01 | US06 | |
| b) | DP01 | DP02 | DP03 | DP04 |
| | DP05 | DP06 | DP07 | DP08 |
| | DP09 | | | |

P 181 MNG REP
(Supplement No 2)

MNG

- a) RS06
- b) MH01

P 181 POR REP
(Supplement No 2)

POR

- a) BE02 DP05 GB08 IU03
NL01 PO01 PO08 PO10
PO11 PO14 PO19
- b) PO01 PO08 PO10 PO11
PO14 PO17 PO19 PO20

List of International Signalling Point Codes (ISPC)
(According to ITU-T Recommendation Q.708 (03/99))
(Position on 1 April 2002)

(Annex to ITU Operational Bulletin No. 761 – 1.IV.2002)

(Amendment No. 18)

	Country/ geographical area ISPC	Unique name of the signalling point	Name of the signalling point operator
P 48	<i>United States</i>	ADD	
	3-051-1	New York, NY	Sirius Telecommunications, Inc.
	3-051-2	Los Angeles, CA	Singapore Telecom USA Inc.
P 32	<i>Philippines</i>	ADD	
	5-035-2		Philippines (Digitel)
P 38	<i>Tunisia</i>	ADD	
	6-010-6		Orascom Télécom Tunisie
	6-010-7		Orascom Télécom Tunisie

ISPC: International Signalling Point Codes.
Codes de points sémaphores internationaux (CPSI).
Códigos de puntos de señalización internacional (CPSI).

**List of Signalling Area/Network Codes (SANC)
(Complement to ITU-T Recommendation Q.708 (03/99))
(Position on 1 July 2002)**

(Annex to ITU Operational Bulletin No. 767 – 1.VII.2002)

(Amendment No. 8)

Numerical order ADD

- P 9** 3-252 Germany (Federal Republic of)
P 10 4-252 Romania
P 13 7-251 United Kingdom of Great Britain and Northern Ireland

Alphabetical order ADD

- P 17** 3-252 Germany (Federal Republic of)
P 20 4-252 Romania
P 23 7-251 United Kingdom of Great Britain and Northern Ireland

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

**List of Issuer Identifier Numbers for
the international telecommunication charge card
(in accordance with ITU-T Recommendation E.118)
(Position on 1 February 2002)**

(Annex to ITU Operational Bulletin No. 757 – 1.II.2002)

(Amendment No. 18)

P 45 *United States* ADD

Country/ geographical area	Company Name/Address	Issuer Identifier Number	Contact	Effective date of usage
United States	Transaction Network Services, Inc. 1939 Roland Clarke Place RESTON, VA 20191-1406	89 1 867	Edmond J. Blausten Box 111 Goochland VA 23063-0111 Tel: +1 804 556 1111 Fax: +1 707 897 2184 E-mail: eblausten@blacknose.com	28.XI.2002

Approving organization for IINs of listed countries (ITU-T Rec. E.118)

United States

Country/geographical area	Approving Organisation
United States	International Communications and Information Policy (CIP) Department of State Bureau of Economic and Business Affairs - Room 4826 2201 C. Street WASHINGTON, DC 20520-5820 Tel: +1 202 647 5212 Fax: +1 202 647 1888 E-mail : ebcip@state.gov



INTERNATIONAL TELECOMMUNICATION UNION

**TSB
TELECOMMUNICATION
STANDARDIZATION BUREAU
OF ITU**

**Mobile Network Code (MNC) for the international
identification plan for mobile terminals and mobile users
(According to ITU-T Recommendation E.212 (11/98))**

(POSITION ON 1 JANUARY 2003)

Geneva, 2003

Mobile Network Code (MNC)

Note by the TSB

1. A centralized List of Mobile Network Code (MNC) for the international identification plan for mobile terminals and mobile users has been created within TSB. This List has been prepared from the information received from TSB Circular 114 issued on 26 June 2002
2. This List of Mobile Network Code (MNC) will be published as annex to Operational Bulletin No. 779 of 1.I.2003. Administrations are requested to verify the information in this List and to inform ITU on any modifications that they wish to make. The notification form can be found at web: www.itu.int/itu-t/inr/forms/mnc.html .
3. This List will be updated by numbered series of amendments published in the ITU Operational Bulletin. Furthermore, the information contained in this Annex is also available on the ITU home page, web: www.itu.int/itu-t/bulletin, and can be consulted by subscribers by remote access.
4. Please address any comments or suggestions concerning this List to the Director of the TSB:

International Telecommunication Union
Director of TSB
Tel: +41 22 730 5211
Fax: +41 22 730 5853
E-mail: tsbmail@itu.int
5. The designations employed and the presentation of material in this List do not imply the expression of any opinion whatsoever on the part of the ITU concerning the legal status of any country or geographical area, or of its authorities.

Mobile Network Code (MNC) for the international identification plan
for mobile terminals and mobile users

Country or Geographical Area Networks	MCC + MNC codes*	
<i>Albania</i>		
AMC	276	01
Vodafone Albania	276	02
<i>Algeria</i>		
Algérie Telecom	603	01
Orascom Telecom Algérie	603	02
<i>Andorra</i>		
Mobiland	213	03
<i>Angola</i>		
Unitel	631	02
<i>Argentina</i>		
Telefonica	722	07
Telecom Personel	722	34
Hutchison	722	35
<i>Armenia</i>		
Karabaht Telecom	283	04
<i>Aruba</i>		
Setar GSM	363	01
<i>Austria</i>		
A1	232	01
T-Mobile	232	03
One	232	05
tele.ring	232	07
Telefonica Austria	232	08
Tele2 Mobil	232	09
Hutchison 3G Austria	232	10
<i>Azerbaijan</i>		
Azercell GSM	400	01
Bakcell GSM	400	02
<i>Bahrain</i>		
BHR Mobile Plus	426	01
<i>Bangladesh</i>		
GramenPhone	470	01
Aktel	470	02
Mobile 2000	470	03
<i>Belarus</i>		
MDC Velcom	257	01
MTS	257	02
<i>Belgium</i>		
Proximus	206	01
Mobistar	206	10
Base	206	20
<i>Belize</i>		
Belize Telecommunications Ltd., GSM	702	67
International Telecommunications Ltd. GSM	702	68

Country or Geographical Area Networks	MCC + MNC codes*	
<i>Benin</i>		
Libercom	616	01
Telecel	616	02
Spacotel Benin	616	03
<i>Bosnia and Herzegovina</i>		
Eronet Mobile Communications Ltd.	218	03
MOBI'S (Mobilina Srpske)	218	05
GSMBIH	218	90
<i>Botswana</i>		
Mascom Wireless	652	01
Vista Cellular	652	02
<i>Brazil</i>		
Telet	724	00
CRT Cellular	724	01
Global Telecom	724	02
CTMR Cel	724	03
BCP	724	04
Telesc Cel	724	05
Tess	724	06
Sercontel Cel	724	07
Maxitel MG	724	08
Telepar Cel	724	09
ATL Algar	724	10
Telems Cel	724	11
Americel	724	12
Telesp Cel	724	13
Maxitel BA	724	14
CTBC Cel	724	15
BSE	724	16
Ceterp Cel	724	17
Norte Brasil Tel	724	18
Telemig Cel	724	19
Telerj Cel	724	21
Telest Cel	724	23
Telebrasil Cel	724	25
Telegoias Cel	724	27
Telemat Cel	724	29
Teleacre Cel	724	31
Teleron Cel	724	33
Telebahia Cel	724	35
Telergipe Cel	724	37
Telasa Cel	724	39
Telpe Cel	724	41
Telepisa Cel	724	43
Telpe Cel	724	45
Telern Cel	724	47
Teleceara Cel	724	48
Telma Cel	724	51
Telepara Cel	724	53
Teleamazon Cel	724	55
Teleamapa Cel	724	57
Telaima Cel	724	59
<i>Brunei Darussalam</i>		
DST Com	528	11

Country or Geographical Area Networks	MCC + MNC codes*	
<i>Bulgaria</i>		
M-Tel GSM BG	284	01
Globul	284	05
<i>Burkina Faso</i>		
Celcel	613	02
Telecel	613	03
<i>Burundi</i>		
Spacetel Burundi	642	01
Safaris	642	02
Telecel Burundi Company	642	03
<i>Cambodia</i>		
Mobitel (Cam GSM)	456	01
Samart (Casacom)	456	02
S Telecom (CDMA) (reserved)	456	03
Camshin (Shinawatra)	456	18
<i>Cameroon</i>		
Mobile Telephone Networks Cameroon	624	01
Orange Cameroun	624	02
<i>Canada</i>		
Clearnet	302	360
Clearnet	302	361
Microcell	302	370
Bell Mobility	302	651
BC Tel Mobility	302	652
Telus Mobility	302	653
Sask Tel Mobility	302	654
MTS Mobility	302	655
Tbay Mobility	302	656
Quebectel Mobility	302	657
NB Tel Mobility	302	701
MT&T Mobility	302	702
New Tel Mobility	302	703
Globalstar Canada	302	710
Rogers AT&T Wireless	302	720
<i>Cape Verde</i>		
Cabo Verde Telecom	625	01
<i>Cayman Islands</i>		
Cable & Wireless (Cayman)	346	140
<i>Central African Rep.</i>		
Centrafrique Telecom Plus (CTP)	623	01
Telecel Centrafrique (TC)	623	02
Celca (Socatel)	623	03
<i>Chad</i>		
Celcel	622	01
Tchad Mobile	622	02
<i>Chile</i>		
Entel Telefonica Movíl	730	01
Entel	730	10
<i>China</i>		
China Mobile Communication GSM	460	00
China Unicom GSM	460	01
China Unicom CDMA	460	03
China Satellite Global Star Network	460	04

Country or Geographical Area Networks	MCC + MNC codes*	
<i>Congo</i>		
Celtel	629	01
Libertis Telecom	629	10
<i>Costa Rica</i>		
Instituto Costarricense de Electricidad - ICE	712	01
<i>Côte d'Ivoire</i>		
Cora de Comstar	612	01
Orange Côte d'Ivoire	612	03
Loteny Telecom	612	05
<i>Croatia</i>		
Cronet	219	01
VIPnet	219	10
<i>Cyprus</i>		
CYTA	280	01
<i>Czech Rep.</i>		
RadioMobil a.s., T-Mobile	230	01
Eurotel Praha, spol. Sro., Eurotel	230	02
Ceský Mobil a.s., Oskar	230	03
Ceský Mobil a.s., R&D Centre	230	99
<i>Dem.Rep. of the Congo</i>		
Congo-Chine Telecom s.a.r.l.	630	86
<i>Denmark</i>		
MIGway A/S	238	03
ApS KBUS	238	05
Hi3G	238	06
<i>Djibouti</i>		
Evatis	638	01
<i>Egypt</i>		
EMS - Mobinil	602	01
Vodafone Egypt	602	02
<i>El Salvador</i>		
CTE Telecom	706	01
Digicel	706	02
<i>Estonia</i>		
EMT GSM	248	01
RLE	248	02
Tele2	248	03
<i>Ethiopia</i>		
ETH MTN	636	01
<i>Faroe Islands</i>		
Faroese Telecom	288	01
Kall GSM	288	02
<i>Finland</i>		
Telia Mobile AB's Branch in Finland	244	03
Test purposes	244	04
Radiolinja Origo Oy	244	05
Test purposes	244	06
Test purposes	244	07
Test purposes	244	08
Finnet Group	244	09
Test purposes	244	10

Country or Geographical Area Networks	MCC + MNC codes*	
Suomen 2G Oy	244	12
Test purposes	244	13
Alands Mobiltelefon Oy	244	14
Test purposes	244	15
Sonera Carrier Networks Oy	244	91
Test purposes	244	92
<i>France</i>		
Orange France	208	01
Orange France	208	02
TE.SA.M.	208	05
TE.SA.M.	208	06
TE.SA.M.	208	07
S.F.R.	208	10
S.F.R. (UMTS)	208	11
Bouygues Telecom	208	20
Bouygues Telecom	208	21
<i>French Polynesia</i>		
Tikiphone	547	20
<i>Gabon</i>		
Libertis S.A.	628	01
Telecel Gabon S.A.	628	02
Celtel Gabon S.A.	628	03
<i>Gambia</i>		
Gamcel	607	01
Africel	607	02
<i>Georgia</i>		
Geocell Ltd.	282	01
Magti GSM Ltd.	282	02
Iberiatel Ltd.	282	03
<i>Germany</i>		
T-D1	262	01
D2 Vodafone	262	02
E-Plus	262	03
...	262	04
...	262	05
...	262	06
O2 (Germany) GmbH & Co.	262	07
...	262	08
...	262	09
...	262	10
...	262	11
...	262	12
Mobilcom Multimedia GmbH	262	13
Group 3G UMTS GmbH	262	14
	262	77
<i>Ghana</i>		
Spacefon	620	01
Ghana Telecom Mobile	620	02
Mobitel	620	03
<i>Gibraltar</i>		
Gibtel GSM	266	01
<i>Greece</i>		
Cosmote	202	01
Vodafone - Panafon	202	05

Country or Geographical Area Networks	MCC + MNC codes*	
Info Quest S.A.	202	09
Telestet	202	10
<i>Greenland</i>		
Tele Greenland	290	01
<i>Guadeloupe and Martinique</i>		
Orange Caraïbe Mobiles	340	01
Outremer Telecom	340	02
Saint Martin et Saint Barthelemy Telcell Sarl	340	03
Bouygues Telecom Caraïbe	340	20
<i>Guinea</i>		
Spacetel	611	01
Sotelgui	611	02
<i>Hongkong, China</i>		
Hong Kong CSL Ltd.	454	00
Hutchison 3G HK Ltd.	454	03
Hutchison Telephone Company Ltd.	454	04
Hutchison Telephone Company Ltd.	454	05
SmarTone Mobile Communications Ltd.	454	06
China Unicom International Ltd.	454	07
Trident Telecom Ventures Ltd.	454	08
China Motion Telecom (HK) Ltd.	454	09
New World PCS Ltd.	454	10
Peoples Telephone Company Ltd.	454	12
Mandarin Communications Ltd.	454	16
Hong Kong CSL Ltd.	454	18
shared by private TETRA systems	454	40
Hong Kong Police Force - TETRA systems	454	47
<i>Hungary</i>		
Pannon GSM	216	01
Westel Mobile	216	30
Vodafone	216	70
<i>Iceland</i>		
Iceland Telecom Ltd.	274	01
Tal hf	274	02
Islandssimi GSM ehf	274	03
IMC Islande ehf	274	04
<i>India</i>		
Aircel Digilink India Ltd., Haryana	404	01
AirTel, Punjab	404	02
AirTel, Himachai Pradesh Circle	404	03
CelForce	404	05
Reliance Telecom Private Ltd.	404	09
AirTel, Delhi	404	10
Essar Cellphone, Delhi	404	11
Escotel, Haryana	404	12
BSSL, Andra Pradesh	404	13
Spice, Punjab	404	14
Aircel Digilink India Ltd., Haryana	404	15
Reliance Telecom Private Ltd.	404	18
Escotel, Kerala	404	19
Orange	404	20
BPL Mobile, Mumbai	404	21
Idea, Maharashtra Circle	404	22
Idea, Andra Pradesh Circle	404	24

Country or Geographical Area Networks	MCC + MNC codes*	
BPL Mobile, Maharashtra/Goa	404	27
Command	404	30
AirTel	404	31
Reliance Telecom Private Ltd.	404	36
AirTel, City of Madras	404	40
RPG Cellular	404	41
Aircel	404	42
BPL Mobile, Tamilnadu/Pondicherry	404	43
Spice, Kamataka	404	44
AirTel, Kamataka	404	45
BPL Mobile, Kerala	404	46
AirTel, Andra Pradesh	404	49
Reliance Telecom Private Ltd.	404	50
Reliance Telecom Private Ltd.	404	52
Escotel, UP(W)	404	56
Aircel Digilink India Ltd., Haryana	404	60
Reliance Telecom Private Ltd.	404	67
Mahanagar Telephone Nigam Ltd., Delhi	404	68
Mahanagar Telephone Nigam Ltd., Mumbai	404	69
Oasis Cellular	404	70
Idea, Gujarat Circle	404	78
Reliance Telecom Private Ltd.	404	85
BSSL, Mamataka	404	86
AirTel, Maharashtra	404	90
AirTel, Mumbai metro	404	92
AirTel, Madya Pradesh	404	93
AirTel, Tamilnadu	404	94
AirTel, Kerala	404	95
AirTel, Haryana	404	96
AirTel, Uttar Pradesh	404	97
AirTel, Gujarat	404	98
<i>Indonesia</i>		
PSN	510	00
Satelindo	510	01
Natrindo (Lippo Telecom)	510	08
Telkomsel	510	10
Excelcomindo	510	11
Indosat - M3	510	21
Konselindo	510	28
<i>Iran (Islamic Republic of)</i>		
Telecommunication Company of Iran (TCI)	432	11
Telecommunication Kish Co. (KIFZO)	432	14
Telecommunication Company of Iran (TCI) - Isfahan Celcom	432	19
<i>Ireland</i>		
Vodafone Ireland Plc	272	01
Digifone mm02 Ltd.	272	02
Meteor Mobile Communications Ltd.	272	03
<i>Israel</i>		
Partner Communications Co. Ltd.	425	01
Cellcom Israel Ltd.	425	02
<i>Italy</i>		
Telecom Italia Mobile (TIM)	222	01
Elsacom	222	02
Omnitel Pronto Italia (OPI)	222	10
IPSE 2000	222	77

Country or Geographical Area Networks	MCC + MNC codes*	
Wind	222	88
Blu	222	98
H3G	222	99
<i>Jamaica</i>		
Cable & Wireless Jamaica Ltd.	338	020
Mossel (Jamaica) Ltd.	338	050
<i>Japan</i>		
NTT DoCoMo, Inc.	440	01
NTT DoCoMo Kansai, Inc.	440	02
NTT DoCoMo Hokuriku, Inc.	440	03
J-Phone Co. Ltd.	440	04
J-Phone Co. Ltd.	440	06
KDDI Corporation	440	07
KDDI Corporation	440	08
NTT DoCoMo Kansai Inc.	440	09
NTT DoCoMo Kansai Inc.	440	10
NTT DoCoMo Tokai Inc.	440	11
NTT DoCoMo Inc.	440	12
NTT DoCoMo Inc.	440	13
NTT DoCoMo Tohoku Inc.	440	14
NTT DoCoMo Inc.	440	15
NTT DoCoMo Inc.	440	16
NTT DoCoMo Inc.	440	17
NTT DoCoMo Tokai Inc.	440	18
NTT DoCoMo Hokkaido	440	19
NTT DoCoMo Hokuriku Inc.	440	20
NTT DoCoMo Inc.	440	21
NTT DoCoMo Kansai Inc.	440	22
NTT DoCoMo Tokai Inc.	440	23
NTT DoCoMo Chugoku Inc.	440	24
NTT DoCoMo Hokkaido Inc.	440	25
NTT DoCoMo Kyushu Inc.	440	26
NTT DoCoMoTohoku Inc.	440	27
NTT DoCoMo Shikoku Inc.	440	28
NTT DoCoMo Inc.	440	29
NTT DoCoMo Inc.	440	30
NTT DoCoMo Kansai Inc.	440	31
NTT DoCoMo Inc.	440	32
NTT DoCoMo Tokai Inc.	440	33
NTT DoCoMo Kyushu Inc.	440	34
NTT DoCoMo Kansai Inc.	440	35
NTT DoCoMo Inc.	440	36
NTT DoCoMo Inc.	440	37
NTT DoCoMo Inc.	440	38
NTT DoCoMo Inc.	440	39
J-Phone Co. Ltd.	440	40
J-Phone Co. Ltd.	440	41
J-Phone Co. Ltd.	440	42
J-Phone Co. Ltd.	440	43
J-Phone Co. Ltd.	440	44
J-Phone Co. Ltd.	440	45
J-Phone Co. Ltd.	440	46
J-Phone Co. Ltd.	440	47
J-Phone Co. Ltd.	440	48
NTT DoCoMo Inc.	440	49
KDDI Corporation	440	50
KDDI Corporation	440	51

Country or Geographical Area Networks	MCC + MNC codes*	
KDDI Corporation	440	52
KDDI Corporation	440	53
KDDI Corporation	440	54
KDDI Corporation	440	55
KDDI Corporation	440	56
NTT DoCoMo Kansai Inc.	440	58
NTT DoCoMo Kansai Inc.	440	60
NTT DoCoMo Chugoku Inc.	440	61
NTT DoCoMo Kyushu Inc.	440	62
NTT DoCoMo Inc.	440	63
NTT DoCoMo Inc.	440	64
NTT DoCoMo Shikoku Inc.	440	65
NTT DoCoMo Inc.	440	66
NTT DoCoMo Tohoku Inc.	440	67
NTT DoCoMo Kyushu Inc.	440	68
NTT DoCoMo Inc.	440	69
KDDI Corporation	440	70
KDDI Corporation	440	71
KDDI Corporation	440	72
KDDI Corporation	440	73
KDDI Corporation	440	74
KDDI Corporation	440	75
KDDI Corporation	440	76
KDDI Corporation	440	77
Okinawa Cellular Telephone	440	78
KDDI Corporation	440	79
TU-KA Cellular Tokyo Inc.	440	80
TU-KA Cellular Tokyo Inc.	440	81
TU-KA Phone Kansai Inc.	440	82
TU-KA Cellular Tokai Inc.	440	83
TU-KA Phone Kansai Inc.	440	84
TU-KA Cellular Tokai Inc.	440	85
TU-KA Cellular Tokyo Inc.	440	86
NTT DoCoMo Chugoku Inc.	440	87
KDDI Corporation	440	88
KDDI Corporation	440	89
J-Phone Co. Ltd.	440	90
J-Phone Co. Ltd.	440	92
J-Phone Co. Ltd.	440	93
J-Phone Co. Ltd.	440	94
J-Phone Co. Ltd.	440	95
J-Phone Co. Ltd.	440	96
J-Phone Co. Ltd.	440	97
J-Phone Co. Ltd.	440	98
NTT DoCoMo Inc.	440	99
NTT DoCoMo Inc.	441	40
NTT DoCoMo Inc.	441	41
NTT DoCoMo Inc.	441	42
NTT DoCoMo Kansai Inc.	441	43
NTT DoCoMo Chugoku Inc.	441	44
NTT DoCoMo Shikoku Inc.	441	45
TU-KA Cellular Tokyo Inc.	441	50
TU-KA Phone Kansai Inc.	441	51
J-Phone Co. Ltd.	441	61
J-Phone Co. Ltd.	441	62
J-Phone Co. Ltd.	441	63
J-Phone Co. Ltd.	441	64
J-Phone Co. Ltd.	441	65

Country or Geographical Area Networks	MCC + MNC codes*	
KDDI Corporation	441	70
NTT DoCoMo Inc.	441	90
NTT DoCoMo Inc.	441	91
NTT DoCoMo Inc.	441	92
NTT DoCoMo Hokkaido Inc.	441	93
NTT DoCoMo Tohoku Inc.	441	94
NTT DoCoMo Kyushu Inc.	441	98
NTT DoCoMo Kyushu Inc.	441	99
<i>Jordan</i>		
Fastlink	416	01
Mobilecom	416	77
<i>Kazakstan</i>		
Kar-Tel Ilc	401	01
TSC Kazak Telecom	401	02
<i>Kenya</i>		
Safaricom Ltd.	639	02
Kencell Communications Ltd.	639	03
<i>Kuwait</i>		
Mobile Telecommunications Company	419	02
Wataniya Telecom	419	03
<i>Kyrgyzstan</i>		
Bitel GSM	437	01
<i>Lao P.D.R.</i>		
Lao Telecommunications	457	01
ETL Mobile	457	02
Millicom	457	08
<i>Latvia</i>		
Latvian Mobile Phone	247	01
Tele2	247	02
<i>Lebanon</i>		
Cellis	415	32
Cellis	415	33
Cellis	415	34
Cellis	415	35
Libancell	415	36
Libancell	415	37
Libancell	415	38
Libancell	415	39
<i>Lesotho</i>		
Vodacom Lesotho (pty) Ltd.	651	01
Econet Ezin-cel	651	02
<i>Liechtenstein</i>		
Telecom FL AG	295	01
Viag Europlatform AG	295	02
Mobilkom (Liechstein) AG	295	05
Tele2 AG	295	77
<i>Lithuania</i>		
Omnitel	246	01
Bité GSM	246	02
Tele2	246	03
<i>Luxembourg</i>		
P&T Luxembourg	270	01
Tango	270	77

Country or Geographical Area Networks	MCC + MNC codes*	
<i>Macao, China</i>		
Smartone	455	00
Telemovil	455	01
Hutchison Telecom	455	03
<i>Madagascar</i>		
MADACOM	646	01
Société Malgache de Mobiles (SMM)	646	02
<i>Malawi</i>		
Telekom Network Ltd.	650	01
Celtel Ltd.	650	10
<i>Malaysia</i>		
Art900	502	00
Maxis	502	12
TM Touch	502	13
DIGI	502	16
TimeCel	502	17
CelCom	502	19
<i>Maldives</i>		
DhiMobile	472	01
<i>Mali</i>		
Malitel	610	01
<i>Malta</i>		
Vodafone Malta	278	01
go mobile	278	21
<i>Mauritania</i>		
Mattel	609	01
<i>Mauritius</i>		
Cellplus	617	01
Emtel	617	10
<i>Mexico</i>		
Telcel	334	020
<i>Moldova</i>		
Voxtel	259	01
Moldcell	259	02
<i>Mongolia</i>		
Mobicom	428	99
<i>Morocco</i>		
Méditelcom (GSM)	604	00
Ittissalat Al Maghrid	604	01
<i>Mozambique</i>		
T.D.M. GSM	643	01
<i>Myanmar</i>		
Myanmar Post and Telecommunication	414	01
<i>Namibia</i>		
Mobile Telecommunications Ltd.	649	01
<i>Nepal</i>		
Nepal Telecommunications	429	01
<i>Netherlands</i>		
Tele2 (Netherlands) B.V.	204	02
Vodafone Libertel N.V.	204	04

Country or Geographical Area Networks	MCC + MNC codes*	
KPN Telecom B.V.	204	08
BT Ignite Nederland B.V.	204	12
BEN Nederland B.V.	204	16
Dutchtone N.V.	204	20
NS Railinfrabeheer B.V.	204	21
<i>Netherlands Antilles</i>		
TELCELL GSM	362	51
CT GSM	362	69
SETEL GSM	362	91
<i>New Caledonia</i>		
OPT Mobilis	546	01
<i>New Zealand</i>		
Reserved for AMPS MIN based IMSI's	530	00
Vodafone New Zealand GSM Mobile Network	530	01
Teleom New Zealand CDMA Mobile Network	530	02
Walker Wireless Ltd.	530	03
Econet Wireless New Zealand GSM Mobile Network	530	28
<i>Niger</i>		
Sahel.Com	614	01
Celtel	614	02
Telecel	614	03
<i>Nigeria</i>		
Econet Wireless Nigeria Ltd.	621	20
MTN Nigeria Communications	621	30
Nigeria Telecommunications Ltd.	621	40
<i>Norway</i>		
Telenor Mobil AS	242	01
Netcom GSM AS	242	02
Teletopia Mobile Communications AS	242	03
Tele2 Norge AS	242	04
<i>Oman</i>		
GTO	422	02
<i>Pakistan</i>		
Mobilink	410	01
PAK Telecom Mobile Ltd. (UFONE)	410	03
<i>Papua New Guinea</i>		
Pacific Mobile	310	01
<i>Paraguay</i>		
VOX	744	01
Hutchison Telecommunications Paraguay S.A.	744	02
<i>Peru</i>		
TIM Peru	716	10
<i>Philippines</i>		
Islacom	515	01
Globe Telecom	515	02
Smart Communications	515	03
Digitel	515	05
<i>Poland</i>		
Plus GSM (Polkomtel S.A.)	260	01
ERA GSM (Polska Telefonía Cyfrowa Sp.Z.o.o.)	260	02

Country or Geographical Area Networks	MCC + MNC codes*	
Idea (Polska Telefonia Komórkowa Centertel Sp. Z.o.o)	260	03
Tele2 Polska (Tele2 Polska Sp. Z.o.o.)	260	04
TETRA (MSWiA) (Ministry of Internal Affairs)	260	21(01)
TETRA (MPK) (Miejskie Przedsiębiorstwo Komunikacyjne Sp. Z.o.o.)	260	21(02)
<i>Portugal</i>		
Vodafone Telecel - Comunicações Pessoais, S.A.	268	01
Optimus - Telecomunicações, S.A.	268	03
Oniway - Inforcomunicações, S.A.	268	05
TMN - Telecomunicações Movéis Nacionais, S.A.	268	06
<i>Qatar</i>		
QATARNET	427	01
<i>Reunion</i>		
Orange La Réunion	647	00
Outremer Telecom	647	02
Société Réunionnaise du Radiotéléphone	647	10
<i>Romania</i>		
Mobifon	226	01
Cosmorom	226	03
Orange Romania	226	10
<i>Russia</i>		
Mobile Telesystems	250	01
Megafon	250	02
Nizhegorodskaya Cellular Communications	250	03
Sibchallenge	250	04
Mobile Comms System	250	05
BM Telecom	250	07
Don Telecom	250	10
Orensot	250	11
Baykal Westcom	250	12
Kuban GSM	250	13
New Telephone Company	250	16
Ermak RMS	250	17
Volgograd Mobile	250	19
ECC	250	20
Extel	250	28
Uralsvyazinform	250	39
Stuvtelesot	250	44
Printelefone	250	92
Telecom XXI	250	93
Bec Line GSM	250	99
<i>Rwanda</i>		
MTN Rwandacell	635	10
<i>Saint Pierre and Miquelon</i>		
St. Pierre-et-Miquelon Télécom	308	01
<i>Samoa</i>		
Telecom Samoa Cellular Ltd.	549	01
<i>Sao Tome and Principe</i>		
Companhia Santomese de Teleomunicações	626	01

Country or Geographical Area Networks	MCC + MNC codes*	
<i>Saudi Arabia</i>		
Saudi Telecom	420	01
<i>Senegal</i>		
Sonatel	608	01
Sentel GSM	608	02
<i>Seychelles</i>		
Seychelles Cellular Services	633	01
Airtel	633	10
<i>Sierra Leone</i>		
Celtel	619	01
Millicom	619	02
Mobitel	619	25
<i>Singapore</i>		
SingTel ST GSM900	525	01
SingTel ST GSM1800	525	02
MobileOne	525	03
Starhub	525	05
Digital Trunked Radio Network	525	12
<i>Slovakia</i>		
Orange, GSM	231	01
Eurotel, GSM & NMT	231	02
Eurotel, UMTS	231	04
Orange, UMTS	231	05
<i>Slovenia</i>		
SI Mobil	293	40
Mobitel	293	41
Vega	293	70
<i>South Africa</i>		
Vodacom (Pty) Ltd.	655	01
Sentech (Pty) Ltd.	655	06
Cell C (Pty) Ltd.	655	07
Mobile Telephone Networks	655	10
Cape Town Metropolitan Council	655	21
<i>Spain</i>		
Vodafone	214	01
Amena	214	03
Xfera	214	04
Movistar	214	07
<i>Sri Lanka</i>		
MTN Network Ltd.	413	02
Celtel Lanka Ltd.	413	03
<i>Sudan</i>		
SD Mobitel	634	01
<i>Suriname</i>		
TeleG	746	02
<i>Swaziland</i>		
Swazi MTN	653	10
<i>Sweden</i>		
Telia AB	240	01
H3G Access AB	240	02
Orange Sverige AB	240	03

Country or Geographical Area Networks	MCC + MNC codes*	
3G Infrastructure Services AB	240	04
Svenska UMTS-Nät AB	240	05
Vodafone Sverige AB	240	06
Tele2 Sverige AB	240	07
Vodafone Sverige AB	240	08
Nye Telenor Mobile Communications	240	09
Wireless Maingate AB	240	20
Banverket	240	21
<i>Switzerland</i>		
Swiss GSM	228	01
Sunrise	228	02
Orange	228	03
<i>Syria</i>		
Syriatel	417	01
Spacetel Syria	417	02
Syrian Telecom	417	09
<i>Tajikistan</i>		
JC Somoncom	436	01
CJSC Indigo Tajikistan	436	02
TT mobile	436	03
Josa Babilon-T	436	04
CTJTHSC Tajik-tel	436	05
<i>Tanzania</i>		
Tri Telecommunication (T) Ltd.	640	01
MIC (T) Ltd.	640	02
Zantel	640	03
Vodacom (T) Ltd.	640	04
Celtel (T) Ltd.	640	05
<i>Thailand</i>		
CAT CDMA	520	00
AIS GSM	520	01
ACT Mobile	520	15
<i>The Former Yugoslav Republic of Macedonia</i>		
Mobimak	294	01
MTS	294	02
<i>Togo</i>		
Togo Telecom	615	01
<i>Tonga</i>		
Tonga Communications Corporation	539	01
Shoreline Communication	539	43
<i>Tunisia</i>		
Tunisie Telecom	605	02
Orascom Telecom	605	03
<i>Turkey</i>		
Turkcell	286	01
Telsim GSM	286	02
Aria	286	03
Aycell	286	04
<i>Turkmenistan</i>		
Barash Communication Technologies	438	01

Country or Geographical Area Networks	MCC + MNC codes*	
<i>Uganda</i>		
Celtel Uganda	641	01
MTN Uganda Ltd.	641	10
Uganda Telecom Ltd.	641	11
<i>Ukraine</i>		
Golden Telecom GSM	255	39
Ukrainian Mobile Communications	255	50
Kyivstar	255	67
Wellcom	255	68
<i>United Arab Emirates</i>		
Etisalat	424	02
<i>United Kingdom</i>		
O2 UK Ltd.	234	02
O2 UK Ltd.	234	10
O2 UK Ltd.	234	11
Railtrack Plc	234	12
Vodafone Ltd.	234	15
Hutchison 3G UK Ltd.	234	20
T-Mobile UK	234	30
T-Mobile UK	234	31
T-Mobile UK	234	32
Orange	234	33
Orange	234	34
Jersey Telecom	234	50
Guensey Telecom	234	55
Manx Telecom	234	58
Inquam Telecom (Holdings) Ltd.	234	75
<i>United States</i>		
MCI	310	010
Verizon Wireless	310	012
Mobile Tel Inc.	310	013
Testing	310	014
Cricket Communications	310	016
IT&E Overseas, Inc.	310	032
Nevada Wireless LLC	310	034
Consolidated Telcom	310	060
Highland Cellular, Inc.	310	070
Corr Wireless Communications LLC	310	080
Edge Wireless LLC	310	090
MBO Wireless Inc./Cross Telephone Company	310	140
Cingular Wireless	310	150
T-Mobile USA	310	160
Cingular Wireless	310	170
Cingular Wireless	310	180
Alaska Wireless Communications LLC	310	190
T-Mobile USA	310	200
T-Mobile USA	310	210
T-Mobile USA	310	220
T-Mobile USA	310	230
T-Mobile USA	310	240
T-Mobile USA	310	250
T-Mobile USA	310	260
T-Mobile USA	310	270
T-Mobile USA	310	280
T-Mobile USA	310	290
T-Mobile USA	310	300

Country or Geographical Area Networks	MCC + MNC codes*	
T-Mobile USA	310	310
T-Mobile USA	310	320
T-Mobile USA	310	330
High Plains Midwest LLC, dba Wetlink Communications	310	340
AT&T Wireless Services Inc.	310	380
Yorkville Telephone Cooperative	310	390
Minnesota Southern Wireless Company dba Hickory Tech	310	400
Cingular Wireless	310	410
TMP Corporation	310	460
Choice Phone LLC	310	480
Triton PCS	310	490
Airtel Wireless LLC	310	510
VeriSign	310	520
West Virginis Wireless	310	530
Oklahoma Western Telephone Company	310	540
Dobson Cellular Systems	310	560
PCS ONE	310	580
Elkhart Telephone Co. Inc. dba Epic Touch Co.	310	610
Coleman County Telecommunications Inc. (Trans Texas PCS)	310	620
Comtel PCS Mainstreet LP	310	630
Airadigm Communications	310	640
T-Mobile USA	310	660
Northstar	310	670
Noverr Publishing, Inc. dba NPI Wireless	310	680
Conestoga Wireless Company	310	690
Telemetrix Technologies	310	740
Panhandle Telecommunications Systems Inc.	310	760
Iowa Wireless Services LP	310	770
Message Express Company dba Airlink PCS	310	780
PinPoint Communications Inc.	310	790
T-Mobile USA	310	800
Globalstar USA	310	970
AT&T Wireless Services Inc.	310	980
Choice Phone LLC	311	120
Nextel Communications Inc.	316	010
Southern Communications Services Inc.	316	011
Iridium Satellite, LLC (GMSS)	901	03
<i>Uzbekistan</i>		
Buztel	434	01
Uzmacom	434	02
Daewoo Unitel	434	04
Coscom	434	05
Uzdunrobita	434	07
<i>Vanuatu</i>		
SMILE	541	01
<i>Venezuela</i>		
Infonet	734	01
Corporación Digitel	734	02
Digicel	734	03
<i>Viet Nam</i>		
Mobifone	452	01
Vinaphone	452	02

Country or Geographical Area Networks	MCC + MNC codes*	
<i>Yemen</i>		
Yemen Mobile Phone Company	421	01
Spacotel Yemen	421	02
<i>Yugoslavia</i>		
Mobitel	220	01
Promonte GSM	220	02
Telekom Srbija	220	03
Monet	220	04
<i>Zambia</i>		
Celtel Zambia Ltd.	645	01
Telecel Zambia Ltd.	645	02
<i>Zimbabwe</i>		
Net One	648	01
Telecel	648	03
Econet	648	04

* 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

Amendments

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