ITU Operational Bulletin



No. **928**

15.III.2009

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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

Fax: +41 22 730 5853 +41 22 733 7256 E-mail: tsbtson@itu.int tsbmail@itu.int itumail@itu.int Dates of publication of the next Operational Bulletins

No. 929	1.IV.2009
No. 930	15.IV.2009
No. 931	1.V.2009

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

18.III.2009
1.IV.2009
22.IV.2009

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

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.

- 919 List of Issuer Identifier Numbers for the International Telecommunication Charge Card (In accordance with ITU-T Recommendation E.118 (05/2006)) (Position on 1 November 2008)
- 209 List of International Signalling Point Codes (ISPC) (According to ITU-T Recommendation Q.708 (03/99)) (Position on 1 June 2008)
- 907 List of Signalling Area/Network Codes (SANC) (Complement to ITU-T Recommendation Q.708 (03/99)) (Position on 1 May 2008)
- 905 Dialling Procedures (International prefix, national (trunk) prefix and national (significant) number) (In accordance with ITU-T Recommendation E.164 (02/2005)) (Position on 1 April 2008)
- Access codes/numbers for mobile networks (According to ITU-T Recommendation E.164 (02/2005)) (Position on 1 March 2008)
- 901 Mobile Network Code (MNC) for the international identification plan for mobile terminals and mobile users (According to ITU-T Recommendation E.212 (05/2004)) (Position on 1 February 2008)
- List of terrestrial trunk radio mobile country codes (Complement to ITU-T Recommendation E.218 (05/2004)) (Position on 1 January 2008)
- List of Mobile Country or Geographical Area Codes (Complement to ITU-T Recommendation E.212 (05/2004)) (Position on 1 December 2007)
- List of ITU-T Recommendation E.164 assigned country codes (Complement to ITU-T Recommendation E.164 (02/2005)) (Position on 15 September 2007)
- 883 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 May 2007)
- List of Names of Administration Management Domains (ADMD) (In accordance with ITU-T F.400 and X.400 series Recommendations) (Position on 15 March 2007)
- 879 List of Telegram Destination Indicators (In accordance with ITU-T Recommendation F.32 (10/1995)) (Position on 1 March 2007)
- 878 List of Telex Destination Codes (TDC) and Telex Network Identification Codes (TNIC) (Complement to ITU-T Recommendations F.69 and F.68) (Position on 15 February 2007)
- 877 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 1 February 2007)
- 876 List of Data Network Identification Codes (DNIC) (According to ITU-T Recommendation X.121 (10/2000)) (Position on 15 January 2007)
- List of Data Country or Geographical Area Codes (Complement to ITU-T Recommendation X.121 (10/2000)) (Position on 1 January 2007)
- 781 Various tones used in national networks (According to ITU-T Recommendation E.180 (03/98)) (Position on 1 February 2003)
- 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 (07/2006))	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

Approval of ITU-T Recommendations

- A. By TSB AAP-05, 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.671 (13/01/2009): Transmission characteristics of optical components and subsystems
 - ITU-T Recommendation G.709/Y.1331 (2003) Corr.2 (13/01/2009)
 - ITU-T Recommendation G.798 (2006) Corr.1 (13/01/2009)
 - ITU-T Recommendation G.806 (13/01/2009): Characteristics of transport equipment Description methodology and generic functionality
 - ITU-T Recommendation G.808.1 (2006) Amendment 1 (13/01/2009)
 - ITU-T Recommendation G.985 (2003) Amendment 1 (13/01/2009)
 - ITU-T Recommendation G.992.5 (13/01/2009): Asymmetric digital subscriber line (ADSL) transceivers – Extended bandwidth ADSL2 (ADSL2plus)
 - ITUT-T Recommendation G.993.2 (2006) Amendment 4 (13/01/2009)
 - ITU-T Recommendation G.8011/Y.1307 (13/01/2009): Ethernet over Transport Ethernet service characteristics*
 - ITU-T Recommendation G.8011.1/Y.1307.1 (13/01/2009): Ethernet private line service
 - ITU-T Recommendation G.8011.2/Y.1307.2 (13/01/2009): Ethernet virtual private line service
 - ITU-T Recommendation G.8021/Y.1341 (2007) Amendment 1 (13/01/2009)
 - ITU-T Recommendation G.9970 (13/01/2009): Generic home network transport architecture*
 - ITU-T Recommendation H.264 (2007) Corr. 1 (13/01/2009): Corrections and clarifications
 - ITU-T Recommendation K.11 (13/01/2009): Principles of protection against overvoltages and overcurrents
 - ITU-T Recommendation K.77 (13/01/2009): Characteristics of metal oxide varistors (MOVs) for the protection of telecommunications installations*
 - ITU-T Recommendation O.182 (2007) Amendment 1 (13.01.2009)
 - ITU-T Recommendation X.85/Y.1321 (2001) Amendment 2 (13.01.2009)
 - ITU-T Recommendation X.1056 (13/01/2009): Security incident management guidelines for telecommunications organizations
 - ITU-T Recommendation Y.1563 (13/01/2009): Ethernet frame transfer and availability performance
 - ITU-T Recommendation Y.1714 (13.01.2009): MPLS management and OAM framework
- B. By TSB AAP-06, 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 Y.2015 (23/01/2009): General requirements for ID/locator separation in NGN
 - ITU-T Recommendation Y.2113 (23/01/2009): Ethernet QoS control for next generation networks
 - ITU-T Recommendation Y.2612 (23/01/2009): Generic requirements and framework of FPBN addressing, routing and forwarding
 - ITU-T Recommendation Y.2807 (23/01/2009): MPLS-based mobility capabilities for NGN services
- C. By TSB AAP-07, it was announced that the following ITU-T Recommendation was approved, in accordance with the procedures outlined in ITU-T Recommendation A.8:
 - ITU-T Recommendation G.984.3 (2008) Amendment 1 (13/02/2009)

^{*} This Recommendation is in English only.

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

Note from TSB

At the request of the Administration of Armenia, the Director of TSB has assigned the following signalling area/network code (SANC) for use in the international part of the signalling system No. 7 network of this country/geographical area, in accordance with ITU-T Recommendation Q.708 (03/99):

Country/geographical area or signalling network	SANC
Armenia (Republic of)	5-234

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

Telephone Service

Côte d'Ivoire (country code +225)

Communication of 17.II.2009:

The Agence des Télécommunications de Côte d'Ivoire (ATCI), Abidjan, announces the update of the mobile service of Côte d'Ivoire:

(1)	(2	2)	(3)	(4)	(5)
NDC (National Destination Code)	N(S)N number length				
or leading digits of N(S)N [National (Significant) Number]	Maximum length	Maximum length	Usage of E.164 Number	Operator	Date and time of introduction
49	8 digits	8 digits	Mobile telephone service	Orange – Côte d'Ivoire	29.I.2009, at 1000 hours
50	8 digits	8 digits	Mobile telephone service	Warid – Côte d'Ivoire	3.II.2009, at 1000 hours

Contact:

Agence des Télécommunications de Côte d'Ivoire (ATCI) Rue Lecœur – Plateau 18 B.P. 2203 ABIDJAN 18 Côte d'Ivoire Tel: +225 2034 4373 Fax: +225 2034 4375 URL: www.atci.ci

Egypt (country code +20)

Communication of 17.II.2009:

The National Telecom Regulatory Authority (NTRA), Cairo, announces the entry into service of the following subscriber number ranges and extensions (E):

Exchange	Area code	Number range	In-service date
El Tagmoa El Khames (E)	2	26183880 – 26184615	22.1.2009
El Abour 1 (E)	2	44799707 – 44801620	8.1.2009
Roda (E)	2	23619700 – 23619999	5.1.2009
Roda (E)	2	2310200 – 23612999	5.1.2009
6 October (1) (E)	2	38379000 – 38379247	4.1.2009
Kafr Shokr (E)	13	2517321 – 2518085	19.1.2009
Monshet El Kraam	13	2790000 – 2791599	8.1.2009
Kafr El Zayat (E)	40	2520574 – 2521084	13.1.2009
El Nakhla El Baharia (E)	45	2516216 – 2516615	26.1.2009
Tolambot Berseik	45	2600000 - 2601004	30.XII.2009
Senderina (E)	45	2720750 – 3720999	24.XII.2009
Bourg Nor El Homs (E)	50	6396256 – 6397279	12.1.2009
Setnemay (E)	50	6844000 – 6844754	4.1.2009
Elwaledia 2	88	2185000 – 2186499	20.1.2009

Contact:

Eng. Yasmina Alaa Numbering Department National Telecom Regulatory Authority (NTRA) Smart Village, Building (B4) Alex Desert Road CAIRO Egypt Tel: +20 2 3534 4239 Fax: +20 2 3534 4155 E-mail: numbering@tra.gov.eg

Eritrea (country code +291)

Communication of 23.II.2009:

The *Eritrea Telecommunication Services Corporation (EriTel)*, Asmara, announces that a new fixed wireless CDMA network with National Destination Code (NDC) "8" has been put into service in Eritrea since 1 February 2009.

Dialling format:

Callers within Eritrea calling CDMA subscribers	08 XXX XXX
International callers from abroad	+291 8 XXX XXX, where:
	 + is the international prefix of the respective country 291 is the country code of Eritrea 8 is the fixed wireless National Destination Code XXX XXX is the subscriber number

Test numbers: +291 8 370 362 and +291 8 373 001 Contact:

Mr Ghirmai Tsighe Head, Fixed Network Division Eritrea Telecommunication Services Corporation (EriTel) ASMARA Eritrea Tel: +291 1 116 467 Fax: +291 1 120 938

French Polynesia (country code +689)

Communication of 16.II.2009:

The Office des Postes et Télécommunications, Papeete, announces the updating of the National Numbering Plan (NNP) of French Polynesia:

Closed Plan of six (6) digits Country code: +689 International numbering format: +689 XX XX XX

Fixed

36 XX XX	Voice server*	
44 XX XX	Voice server*	
4X XX XX	PSTN/ISDN	
5X XX XX	PSTN/ISDN	
6X XX XX	PSTN/ISDN	
8X XX XX	PSTN/ISDN	
9X XX XX	PSTN/ISDN	

Payphone: 88 XX XX*

Mobile GSM

20 XX XX	Prepaid**
21 XX XX	Prepaid**
22 XX XX	Prepaid**
23 XX XX	Prepaid**
24 XX XX	Prepaid**
25 XX XX	Prepaid**
26 XX XX	Prepaid**
27 XX XX	Prepaid**
31 XX XX	Prepaid**
75 4X XX	Prepaid**
75 8X XX	Prepaid**
28 XX XX	
29 XX XX	
30 XX XX	
70 XX XX	
71 XX XX	
72 XX XX	
73 XX XX	
74 XX XX	
75 XX XX	
76 XX XX	
77 XX XX	
78 XX XX	
79 XX XX	

Mobile MSRN: 41 14 XX

Important notes:

- * All calls to the destination 36 XX XX should be blocked by the operator of the originating country. This sequence is reserved for French Polynesia special numbers (audiotext).
- ** All collect calls destined to public call boxes or prepaid mobile numbers should be blocked by the operator of the originating country. Any such calls received on these numbering sequences in French Polynesia will not be included in the international settlements.

Contact:

Monsieur William Kimchou Office des Postes et Télécommunications Immeuble Ainapare 98714 PAPEETE Tahiti Polynésie française Tel: +689 41 46 72 Fax: +689 45 25 00 E-mail: william_kimchou@opt.pf

Sudan (country code +249)

Communication of 17.II.2009:

The National Telecom Corporation (NTC), Khartoum, announces the introduction of number series +249 95 XXX XXXX for the mobile service of "Network of the World Ltd (NOW)".

Mobile operator	Mobile access code	International dialling format
Network of the World Ltd (NOW)	95	+249 95 XXX XXXX

Contact:

Mr Abbas Arabi Abdalla National Telecom Corporation (NTC) KHARTOUM Sudan Tel: +249 183 48 32 03 Fax: +249 183 56 23 52 E-mail: itisalat@ntc.org.sd

Malawi

Communication of 17.II.2009:

Request for proposals (RFP) Provision of Consolidated ICT Regulatory Management Services

The Malawi Communications Regulatory Authority (MACRA), Blantyre, announces the following:

1.0 Background

The liberalization of the local, long distance and international telecommunication markets by regulators in many African countries, Malawi included, has resulted in a minefield for operators in the region. At the same time, this situation has led to multiple issues within the communications sector that need close monitoring and regulatory control.

The introduction of multiple international gateways into Malawi by the authorized operators, *Zain Malawi Ltd, TNM Ltd* and *Malawi Telecommunications Limited*, has further inevitably brought in illegal operators, cybercrime perpetrators and fraudulent international carriers. As a result, many gateway operators have been left in a highly unstable environment with a lack of adequate protection from the regulator and the law enforcement agencies. These gateway operators are now faced with decreasing revenues from international traffic termination, deteriorating network infrastructure and continuous unfair market price reduction. The loss of this revenue, for the aforesaid reasons, revenue which, more worryingly, goes to illegal operators (both local and international) has led to significant financial burden and debt accumulation to incumbent operators in order to sustain the model.

In addition to the general technical weaknesses of the operators as well as lack of network quality and capacity to transmit inter- and intra- national calls, the telecommunication market in Malawi lacks sophistication and management systems to control the fraudulent and evolutionary switch bypass. When not correctly regulated and consolidated, government has seen a large decline in taxable income because accounting for this revenue is often impossible to track.

It is necessary for the regulator to be aware of whatever is happening to its licensees in terms of traffic volumes and content for effective regulation, combating cybercrime and statistical purposes. However, MACRA finds it difficult to fully monitor, control and regulate the behaviour of such operators due to lack of the necessary tools for discharging such responsibilities. Hence it is imperative to establish a model that will achieve the ideal results.

To this end, the Authority seeks to engage a provider or providers of consolidated regulatory management services.

2.0 Objective

To ensure that MACRA has first-hand information and direct access to both international and local traffic flowing through the operators licensed to operate in Malawi and that revenue from such traffic is properly accounted for, meets quality of service standards and, where it is international traffic, that its price is pegged at around the international accepted standard such that Malawi does not lose on terminating inbound calls, and secondly, among other things, to combat fraud and have a scientific tool for monitoring Quality of Service (QS).

2. Request for Proposals

MACRA seeks technical and financial proposals from reputable firms for this appointment. Any interested provider or providers must provide information indicating that they are qualified to perform the required services and provide the information, *inter alia*, on the firm's profile, qualifications of key personnel, references from other clients, descriptions of similar assignments undertaken, scope and specification of the solution, experience in similar conditions and availability of relevant and appropriate skills.

The prospective firms must have in-depth specialist understanding of consolidated inter-national gateway management services. Relevant expertise must include but not be limited to:

- Detection of traffic whatever the technology used
- International and domestic interconnection standards
- Real-time billing and revenue assurance
- Quality of Service analysis and reporting
- Inter-platform networking that supports all telephony protocols
- Detection and interception of fraud in international traffic communication
- Spectrum management

3. Terms of Reference (TOR)

Detailed Terms of Reference (TOR) are available from MACRA House, Salmin Amour Road, Private Bag 261 Blantyre, Malawi, from Monday 10th February, 2009.

4. Selection

The prospective firm shall be selected in accordance with the Quality-Based Selection (QBS) procedures as set out in the Government of Malawi Procurement Guidelines: "*Request for Proposals Document for the Procurement of Consultancy Services*".

5. Duration

These services shall be operated under Build, Operate and Transfer (BOT) or any other agreeable arrangement proposed by the bidder for a renewable period of up to three (3) years.

6. Proposal Submission and Application Process

Subject to further review by MACRA, the procedure leading to the award of the said contract shall be as follows:

- Interested bidders *must pay* a non-refundable application fee of MK 50,000.00 and obtain Bidding Documents including Terms of Reference (TOR) from MACRA House or download them from the MACRA website under the License Application Forms link.
- All applicants shall be entitled to seek clarification or raise any queries on the Bidding Document/TOR.
- All proposals shall be submitted in a sealed envelope or other similar facility clearly marked "Provision of Consolidated ICT Regulatory Management Services" by 1400 hours on 20th March, 2009.
- Opening of proposals shall take place on 20th March, 2009 at 1400 hours at MACRA House, Salmin Amour Road, Ginnery Corner, Blantyre, Malawi. Applicants or their representatives, including the general public, are welcome to attend.

For further information, please contact:

The Chairman, Internal Procurement Committee Malawi Communications Regulatory Authority (MACRA) MACRA House Salmin Amour Road Private Bag 261 Blantyre MALAWI Tel: +265 1 883 611 Fax: +265 1 883 611 Fax: +265 1 883 890 E-mail: dg-macra@macra.org.mw URL: www.macra.org.mw.

Note from TSB

The communications from the following countries concerning the Service Restrictions relating to the various international telecommunication services offered to the public have been published individually in the ITU Operational Bulletin (OB):

Country/geographical area	ОВ	Country/geographical area	ОВ
Antigua and Barbuda	798 (p.5)	Mauritius	610 (p.6)
Aruba	776 (p.6)	Morocco	692 (p.8), 707 (p.5), 727 (p.5)
Australia	726 (p.13, p.31)	Netherlands	892 (p.19), 921 (p.12)
Austria	682 (p.5)	Netherlands Antilles	770 (p.9), 786 (p.7)
Azerbaijan	637 (p.20)	New Caledonia	896 (p.18)
Barbados	783 (p.5-6)	Nigeria	829 (p.18)
Belgium	683 (p.6), 776 (p.36)	Norway	682 (p.5), 716 (p.17)
Belize	845 (p.12)	Pakistan	827 (p.14), 852 (p.13)
Bulgaria	826 (p.13)	Panama	805 (p.18), 839 (p.6)
Canada	692 (p.4)	Peru	753 (p.9)
Cayman Islands	808 (p.7-9), 829 (p.7)	Portugal	757 (p.4)
China	640 (p.4)	Romania	829 (p.18)
Colombia	835 (p.8)	Russian Federation	635 (p.4)
Cyprus	784 (p.3), 802 (p.5), 825 (p.15), 828 (p.36), 871 (p.5), 889 (p.6)	Saint Lucia	853 (p.12)
Denmark	719 (p.5) 835 (p.5), 840 (p.4)	Saint Vincent and the Grenadines	797 (p.21)
Dominica	785 (p.5), 796 (p.4-5)	San Marino	834 (p.18)
Fiji	824 (p.10)	Saudi Arabia	826 (p.13)
Finland	704 (p.13), 726 (p.12)	Serbia	778 (p.16), 804 (p.8)
France	924 (p.12)	Singapore	649 (p.6), 701 (p.5), 829 (p.19)
Germany	707 (p.3) 714 (p.6), 788 (p.18)	Slovakia	790 (p.4), 798 (p.12), 853 (p.15)
Gibraltar	739 (p.13)	Slovenia	609 (p.15), 700 (p.9), 711 (p.8), 791 (p.4)
Greenland	762 (p.7)	South Africa	667 (p.11)
Guyana	778 (p.6-11)	Sri Lanka	865 (p.11)
Honduras	799 (p.19)	Sudan	827 (p.34)
Hungary	911 (p.21)	Swaziland	877 (p.16)
Iceland	802 (p.10)	Sweden	699 (p.9), 818 (p.11)
Indonesia	726 (p.16, p.31), 790 (p.3), 844 (p.9)	Syrian Arab Republic	828 (p.38)
Italy	690 (p.3)	Trinidad and Tobago	879 (p.21), 894 (p.15)
Japan	782 (p.7), 846 (p.16)	Turkey	828 (p.38)
Kenya	748 (p.4)	Turks and Caicos Islands	849 (p.21)
Kuwait	641 (p.3), 826 (p.13)	United Arab Emirates	701 (p.12), 724 (p.7), 825 (p.15)
Lebanon	824 (p.10)	United Kingdom	783 (p.4)
Malawi	699 (p.6), 714 (p.12)	Uruguay	841 (p.20)
Malaysia	726 (p.12)	Vanuatu	740 (p.11)
Maldives	766 (p.19)	Yemen	828 (p.38)

Call-Back and alternative calling procedures (Res. 21 Rev. PP-2002)

Note from TSB

Countries/geographical areas for which 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), Azerbaijan (663), Bahrain (611), Belarus (616), Bosnia and Herzegovina (772), Bulgaria (665), Burkina Faso (631), Burundi (607), Cameroon (671), China (599), Colombia (602), Cook Islands (681), Cuba (632), Cyprus (626), Dem. Rep. of the Congo (672), Djibouti (614), Ecuador (619), Egypt (599, 690), Ethiopia (657), Gabon (631), Guinea (681), Honduras (613), India (627), Jamaica (648), Japan (649), Jordan (652), Kazakhstan (619), Kenya (605), Kyrgyzstan (616), Kuwait (610), Latvia (617), Lebanon (642), Madagascar (639), Malaysia (603), Malta (688), Mexico (697), Monaco (749), Morocco (619), Netherlands Antilles (627), Niger (618), Nigeria (647), Qatar (593), Saudi Arabia (629), Seychelles (631), South Africa (655), Sudan (686), Tanzania (624), Thailand (611), Turkey (612), Uganda (603), United Arab Emirates (627), 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:

Albania, Armenia, Bahamas, Belize, Benin, Brazil, Brunei Darussalam, Cambodia, Central African Rep., Chad, Comoros, Costa Rica, Côte d'Ivoire, Dominica, Eritrea, Fiji, Gambia, Ghana, Greece, Guyana, Haiti, Hungary, Indonesia, Iran (Islamic Republic of), Ireland, Israel, Kiribati, Korea (Rep. of), Lesotho, Macao (China), Malawi, Mali, Mauritius, Mauritania, Moldova, Mozambique, New Caledonia, Nicaragua, Oman, Pakistan, Panama, Papua New Guinea, Paraguay, Peru, Philippines, Poland, Romania, Samoa, San Marino, Serbia, Slovakia, Sri Lanka, Suriname, Syrian Arab Republic, The Former Yugoslav Republic of Macedonia, Tonga, Trinidad and Tobago, Tunisia, Tuvalu, Vanuatu, Venezuela, Zambia, Zimbabwe.

This information is the result of a survey made by ITU-T Study Group 3 in accordance with Resolution 21 (Rev. Marrakesh, 2002) of the Plenipotentiary Conference (Marrakesh, 2002) 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:

www.itu.int/itu-t/special-projects/callback/index.html

AMENDMENTS TO SERVICE PUBLICATIONS

Abbreviations used

ADD	insert
COL	column
LIR	read
Р	page(s)

PAR paragraphREP replaceSUP delete

List of Ship Stations (List V) 49th Edition, March 2009

Section IV

Sub-section 2A

ADD

DP14 Telemar GmbH, Mattentwiete 5, D-20457 Hamburg, Germany. (Tel: +49 40 29813430, +49 160 1115025, Fax: +49 40 298134319, E-mail: volker.sommer@telemar.de, Url: www.telemar.de)

REP

RS01 Singapore Telecommunications Limited, Comcentre 26th Floor, 31 Exeter Road, Singapore 239734, Singapore. (Tel: +65 68383412 (Toh Kok Tee), +65 68383892 (Felicia Lee), +65 68388410 (Koh Ngee Boon), +65 64169333 (CSC), Fax: +65 67336629, E-mail: tohkoktee@singtel.com, E-mail: felicialee@singtel.com, E-mail: ngeeboon@singtel.com) Contact Persons: Toh Kok Tee/Felicia Lee/Koh Ngee Boon

Access codes/numbers for mobile networks (According to ITU-T Recommendation E.164) (Position on 1 March 2008)

(Annex to ITU Operational Bulletin No. 903 – 1.III.2008)

(Amendment No. 18)

Country/geographical area	E.164 country code	Mobile telephone numbers, first digits after country code
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P 5 Iceland LIR

Iceland	354	380, 388, 61-69, 770-773, 82-89, 954, 958

P 3 Morocco (Kingdom of) LIR

Morocco (Kingdom of)	212	6

Dialling Procedures (International prefix, national (trunk) prefix and national (significant) number) (In accordance with ITU-T Recommendation E.164) (Position on 1 April 2008)

(Annex to ITU Operational Bulletin No. 905 – 1.IV.2008)

(Amendment No. 10)

Country/ geographical area	Country code	International prefix	National prefix	National (significant) number	UTC/DST	Note
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P 6 **Morocco LIR**

Morocco	212	00	0	9 digits	UTC	
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List of Issuer Identifier Numbers for the international telecommunication charge card (In accordance with ITU-T Recommendation E.118) (Position on 1 November 2008)

(Annex to ITU Operational Bulletin No. 919 – 1.XI.2008)

(Amendment No. 7)

P 38 Romania ADD

Country/ geographical area	Company name/address	lssuer Identifier Number	Contact	Effective date of usage
Romania	Romtelecom 1B Garlei St., District 1 013721 BUCHAREST	89 40 02	Anca Ciocirlan 1B Garlei St., District 1 013721 BUCHAREST Tel: +40 21 400 5398 Fax: +40 21 400 5641 E-mail: anca.ciocirlan@ romtelecom.ro	1.11.2009

P 48 United Kingdom ADD

Country/ geographical area	Company name/address	lssuer Identifier Number	Contact	Effective date of usage
United Kingdom	Lycatel Distribution UK Limited Laser House 132-140 Goswell Road LONDON EC1V 7DY	89 44 85	Mr Andy England Laser House 132-140 Goswell Road LONDON EC1V 7DY Tel: +44 207 536 6450 Fax: +44 207 536 6581 E-mail: andyengland@ lycatel.com	1.I.2009

List of ITU-T Recommendation E.164 assigned Country Codes (Complement to ITU-T Recommendation E.164 (02/2005)) (Position on 15 October 2006)

(Annex to ITU Operational Bulletin No. 870 – 15.X.2006)

(Amendment No. 9)

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

P 16 Note q) +883 100 (Denver Consultants Ltd) LIR

q) Associated with shared country code 883 for international networks, the following three-digit identification code reservation/assignment has been made for the international networks of:

Applicant	Network	Country Code and Identification Code	Status
MediaLincc Ltd	MediaLincc Ltd	+883 100	Assigned

List of Mobile Country or Geographical Area Codes (Complement to ITU-T Recommendation E.212 (05/2004)) (Position on 1 December 2007)

(Annex to ITU Operational Bulletin No. 897 – 1.XII.2007)

(Amendment No. 6)

P 15 Note c. 901 22 (Denver Consultants Ltd) LIR

Associated with shared mobile country code (MCC) 901, the following two-digit mobile network code (MNC) has been reserved for and/or assigned to the international mobile network:

Network	Mobile Country Code (MCC)* and Mobile Network Code (MNC)**	Status
MediaLincc Ltd	901 22	Assigned

* 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

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Mobile Network Code (MNC) for the international identification plan for mobile terminals and mobile users (According to ITU-T Recommendation E.212 (05/2008)) (Position on 1 February 2008)

(Annex to ITU Operational Bulletin No. 901 – 1.II.2008)

(Amendment No. 20)

P 4 Austria REP all information by:

Country/geographical area	MCC* + MNC**	Name of network/operator
Austria	232 01 232 02 232 03 232 04 232 05 232 06 232 07 232 08 232 09 232 10 232 11 232 12 232 14 232 15 232 91	Mobilkom Austria Aktiengesellschaft Mobilkom Austria Aktiengesellschaft T-Mobile Austria GmbH T-Mobile Austria GmbH Orange Austria Telecommunication GmbH Orange Austria Telecommunication GmbH T-Mobile Austria GmbH Lycamobile Ltd Mobilkom Austria Aktiengesellschaft Hutchison 3G Austria GmbH Mobilkom Austria Aktiengesellschaft Orange Austria Telecommunication GmbH Hutchison 3G Austria GmbH Barablu Mobile Austria Limited ÖBB – Infrastruktur Bau AG

P 13 International Mobile, shared code 901 22 (Denver Consultants Ltd) LIR

Country/geographical area	MCC* + MNC**	Name of network/operator
International Mobile, shared code	901 22	MediaLincc Ltd

P 19 Romania ADD

Country/geographical area	MCC* + MNC**	Name of network/operator
Romania	226 02	Romtelecom (CDMA)

P 21 Sudan ADD

Country/geographical area	MCC* + MNC**	Name of network/operator
Sudan	634 05	Network of the World Ltd (NOW)

^{*} 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 Signalling Area/Network Codes (SANC) (Complement to ITU-T Recommendation Q.708 (03/99)) (Position on 1 May 2008)

(Annex to ITU Operational Bulletin No. 907 - 1.V.2008)

(Amendment No. 16)

Numerical Order ADD

P 13 5-234 Armenia (Republic of)

Alphabetical Order ADD

P 18 5-234 Armenia (Republic of)

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

List of International Signalling Point Codes (ISPC) (According to ITU-T Recommendation Q.708 (03/99)) (Position on 1 June 2008)

(Annex to ITU Operational Bulletin No. 909 - 1.VI.2008)

(Amendment No. 19)

Country geogra ISPC/DI	phical area	Unique name of the signalling point	Name of the signalling point operator
P 32	Hong Ko	<i>ong, China</i> LIR	
4-106-5 4-178-6	9045 9622	SUNDAY HKEXCEL	Hong Kong Telecommunications (HKT) Ltd Pacnet Services Asia Pacific Commercial (HK) Ltd
P 33	Hong Ko	<i>ong, China</i> ADD	
4-176-0	9600	Expresstonehk	Express Tone (HK) Ltd
4-176-1	9601	H6	CITIC Telecom 1616 Ltd
4-176-2	9602	China Virtual (HR) Ltd	China Virtual (HR) Ltd
4-176-5	9605	H10	CITIC Telecom 1616 Ltd
4-176-7	9607	HNKNHKBX00T	Qwest Hong Kong Telecommunications Ltd
4-180-4	9636	HTHKIU3	Hutchison Global Communications Ltd
4-180-5	9637	Systech Telecom Ltd	Systech Telecom Ltd
4-181-0	9640	Sun55	Syniverse Technologies Asia Pacific Limited
P 70	Switzerla	and SUP	
2-053-1	4521		Horisen Communication Gmbh
2-055-1	4537		Orange Communication SA
2-061-1	4585		Yellow Access Operating Services AG

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2-058-7	4567	Zürich	Orange Business Switzerland AG
2-059-4	4572	Zürich	TelCommunication Services AG
2-062-5	4597	Zürich	TelCommunication Services AG
5-246-0	12208	Zürich	Orange Business Switzerland AG
5-246-1	12209	Zürich	Orange Business Switzerland AG
5-246-2	12210	Zürich	TelCommunication Services AG
5-246-7	12215	Zürich	Medialincc GmbH

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

LIR

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Switzerland

National Numbering Plan (According to ITU-T Recommendation E.129 (09/2002))

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 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 ITU-T Recommendation E.129. They are reminded that they will be responsible for the timely update of this information.

From 1.II.2009 to 15.II.2009 the following countries have updated their national numbering plan on our site:

Country	Country Code (CC)
Jordan	+962
Morocco	+212
Swaziland	+268