



ITU Operational Bulletin



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Subjects preceded by the letters (BR) in the table of Contents are dealt with by the Radiocommunication Bureau (BR), contact: **TF +41 22 730 5217 FAX +41 22 730 5785**

Subjects preceded by the letters (TSB) in the table of Contents are dealt with by the Telecommunication Standardization Bureau (TSB), contact: **TF +41 22 730 5212 FAX +41 22 730 5853**

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GENERAL INFORMATION

Lists annexed to Operational Bulletin

Note from the TSB

The following Lists* have been published by TSB or BR as Annexes to the ITU Operational Bulletin (OB):

OB No.

- | | |
|-----|--|
| 659 | List of Data Country or Geographical Area Codes (Complement to ITU-T Recommendation X.121) (Position on 31 December 1997) |
| 663 | List of Names of Administration Management Domains (ADMD) (In accordance with ITU-T F.400 and X.400 Series Recommendations) (Position on 28 February 1998) |
| 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)) |
| 674 | Status of Radiocommunications between Amateur Stations of different countries (In accordance with optional provision No. 2731 of the Radio Regulations) (Position on 15 August 1998) |
| 677 | List of Issuer Identifier Numbers for the international telecommunication charge card (In accordance with ITU-T Recommendation E.118) (Position on 1 October 1998) |
| 679 | Dialling Procedures (International prefix, national (trunk) prefix and national (significant) number) (In accordance with ITU-T Recommendation E.164) (Position on 1 November 1998) |
| 682 | List of Signalling Area/Network Codes (SANC) (Complement to ITU-T Recommendation Q.708) (Position on 15 December 1998) |
| 684 | List of Data Network Identification Codes (DNIC) (According to ITU-T Recommendation X.121) (Position on 15 January 1999) |
| 685 | List of Mobile Country or Geographical Area Codes (Complement to ITU-T Recommendation E.212) (Position on 1 February 1999) |
| 686 | List of International Signalling Point Codes (ISPC) (According to ITU-T Recommendation Q.708) (Position on 15 February 1999) |
| 687 | List of ITU-T Recommendation E.164 assigned Country Codes (Complement to ITU-T Recommendation E.164 (05/1997)) (Position on 1 March 1999) |
| 688 | List of ITU Carrier Codes (According to ITU-T Recommendation M.1400) (Position on 15 March 1999) |
| 691 | Service Restrictions (Recapitulatory list of service restrictions in force relating to telecommunications operation) (Position on 1 May 1999) |
| 692 | List of Telegram Destination Indicators (In accordance with ITU-T Recommendation F.32) (Position on 15 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) |

* For information, all lists will be updated by numbered series of amendments published in the ITU Operational Bulletin, and will be reissued as necessary.

Furthermore, the lists can be consulted online (<http://www.itu.int/itudoc/itu-t/ob-lists>) in the ITU document database, under the heading "Operational Bulletin and Lists annexed".

Approval of ITU-T Recommendations

By TSB Circular 174 of 2 March 1999, the following draft ITU-T Recommendations were submitted for approval in accordance with procedures outlined in Resolution 1, Section 8, of the WTSC (Geneva, 1996):

- Amendment 1 to ITU-T Recommendation F.435: “Message Handling: Electronic Data Interchange messaging service – Amendment 1: EDI message store correlation attributes” (see Note)
- New ITU-T Recommendation X.78: “Interworking procedures between networks providing FRDTS via B-ISDN”
- New ITU-T Recommendation X.124: “Arrangements for the interworking of the E.164 and X.121 numbering plans for frame relay and ATM networks”
- New ITU-T Recommendation X.170: “Network-to-network management architecture for data networks”
- Amendment 1 to ITU-T Recommendation X.235: “Information technology – Open Systems Interconnection – Connectionless Session protocol: Protocol specification – Amendment 1: Efficiency enhancements”
- Amendment 1 to ITU-T Recommendation X.236: “Information technology – Open Systems Interconnection – Connectionless Presentation protocol: Protocol specification – Amendment 1: Efficiency enhancements”
- Technical Corrigendum 1 to ITU-T Recommendation X.237/Amendment 1
- Revised ITU-T Recommendation X.281: “Information technology – Elements of management information related to the OSI Physical Layer”
- Revised ITU-T Recommendation X.282: “Information technology – Elements of management information related to the OSI Data Link Layer”
- New ITU-T Recommendation X.404: “Information technology – Message Handling Systems (MHS): MHS routing – Guide for messaging system managers”
- New ITU-T Recommendation X.412: “Information technology – Message Handling Systems (MHS): MHS routing”
- Amendment 2 to ITU-T Recommendation X.435: “Information technology – Message Handling Systems: Electronic Data Interchange messaging system – Amendment 2: EDI message store logs and correlation attributes” (see Note)
- New ITU-T Recommendation X.487: “Message Handling Systems – IPM-MS attributes PICS proforma”
- New ITU-T Recommendation X.488: “Message Handling Systems – EDI-MS attributes PICS proforma”
- Corrigendum 1 to ITU-T Recommendation X.669
- Modifications to ITU-T Recommendation X.680
- Amendment 1 to ITU-T Recommendation X.680: “Information technology – Abstract Syntax Notation One (ASN.1): Specification of basic notation – Amendment 1: Relative object identifiers”
- Amendment 2 to ITU-T Recommendation X.680: “Information technology – Abstract Syntax Notation One (ASN.1): Specification of basic notation – Amendment 2: Semantic model”
- Technical Corrigendum 1 to ITU-T Recommendation X.680
- Modifications to ITU-T Recommendation X.681
- Amendment 1 to ITU-T Recommendation X.681: “Information technology – Abstract Syntax Notation One (ASN.1): Information object specification – Amendment 1: Semantic model”

- Technical Corrigendum 1 to ITU-T Recommendation X.681
- Amendment 1 to ITU-T Recommendation X.683: "Information technology – Abstract Syntax Notation One (ASN.1): Parameterization of ASN.1 specifications – Amendment 1: Semantic model"
- Modifications to ITU-T Recommendation X.690
- Amendment 1 to ITU-T Recommendation X.690: "Information technology – ASN.1 encoding rules: Specification of Basic Encoding Rules (BER), Canonical Encoding Rules (CER) and Distinguished Encoding Rules (DER) – Amendment 1: Relative object identifiers"
- Technical Corrigendum 1 to ITU-T Recommendation X.690
- Modifications to ITU-T Recommendation X.691
- Amendment 1 to ITU-T Recommendation X.691: "Information technology – ASN.1 encoding rules: Specification of Packed Encoding Rules (PER) – Amendment 1: Relative object identifiers"
- Technical Corrigendum 1 to ITU-T Recommendation X.691
- New ITU-T Recommendation X.931: "Information technology – Open distributed processing – Protocol support for computational interactions"
- New ITU-T Recommendation X.960: "Information technology – Open distributed processing – Type repository function"

16 Member States participating in the last meeting of Study Group 7 approved the text of these ITU-T Recommendations during the Plenary session held on 18 June 1999 and the conditions governing the approval of these ITU-T Recommendations were met.

These twenty-two ITU-T Recommendations are therefore approved.

NOTE – Study Group 7 decided that new editions of the set of Message Handling Recommendations be published rather than publishing the Amendments. Consequently, new editions of the following ITU-T Recommendations will be published: F.400/X.400, F.435, X.402, X.411, X.413, X.419, X.420, X.421, X.435 and X.440.

Highlights on international telecommunications in respect of year 2000 readiness

Korea (Rep. of):

Communication of 25.VIII.1999:

Korea Telecom (KT) declared itself free from potential Y2K glitches, the first such declaration by a Korean telecommunications company on 20 August 1999.

KT began working on solving the millenium bug back in 1997, targeting a total of 16,463 systems that needed to have potential problems solved. A total of 150 million US\$ went toward developing software and verification, according to the company. The company became fully Y2K compliant at the end of July, after applying software and hardware verified to be free from the millenium bug following simulations.

In May, KT conducted simulation tests in conjunction with six other telecommunications companies operating in the country. In the international telecommunications sector, the company carried out simulation tests with KDD of Japan and SingTel of Singapore. No problems were detected in the simulations, according to the company.

For any further information concerning clearance of "Y2K Problem, Korea Telecom", please consult the Website www.kt.co.kr/y2k/ or contact:

Young-joo, PARK
 Director
 Overseas Cooperation Division
 Korea Telecom
 Songnam City, Kyonggi-do
 463-711 Korea (Rep. of)
 Tel: +82 342 727 2733
 Fax: +82 2 750 3830
 Email: chojj@kt.co.kr

Telegram Service

Telex Service

Canada

Communication of 28.VIII.1999*:

Téleglobe Canada Inc., announces that *Téleglobe Canada* has made an arrangement with AT&T in the United States, to provide the international link to AT&T Canada, the Canadian domestic carrier for telex and telegrams. The accounting rate negotiations and the settlement of accounts for this traffic should therefore be with ATT Easylink services, at the following address:

AT&T Corporation
AT&T Easylink Services
Middletown, VA
United States

* See also ITU Operational Bulletin No. 698 of 15.VIII.1999, page 14, and this Operational Bulletin No. 699 of 1.IX.1999, page 15.

Telex Service

Panama

Communication of 24.VIII.1999*:

Cable & Wireless Panamá, S.A. in the Republic of Panama, announces that as of 20 September 1999, its only telex route to all destinations worldwide will be via Cable & wireless communications in London (United Kingdom).

All administrations/ROAs are therefore requested to modify their routing so that messages can be handled appropriately.

For any further information concerning telex service, please contact:

H. Hernán Herrera
Relaciones con Corresponsales Internacionales
Cable & Wireless Panamá S.A.
Apartado 659
PANAMA 9A
Panamá
Tel: +507 882 2507
Fax: +507 264 2436
E-mail: hhernan@cwpa.net.pa

* This information cancels and replaces that published in Operational Bulletin No. 697 of 1.VIII.1999, page 8.

Telephone Service

Denmark

Communication of 30.VII.1999:

The *National Telecom Agency*, Copenhagen, announces that the following additions to the Danish telephone numbering plan have been made:

- Eight-digit subscriber numbers for mobile services

<i>Network</i>	<i>Subscriber numbers</i>
Tele Danmark	246XXXXX, 247XXXXX, 248XXXXX and 249XXXXX

Egypt

Communication of 3.VIII.1999:

The *Telecom Regulatory Authority, Cairo*, announces the entry into service of the following subscriber number ranges (and extensions (E) with change in numbering):

<i>Exchange</i>	<i>Area Code</i>	<i>New numbering ranges</i>	<i>Date of entry into service</i>
El Maadi 3 (E)	2	5265000 - 5272699	VIII.1999
El Maadi 3	2	5272700 - 5274699	VIII.1999
	2	5274700 - 5279999	VIII.1999
El Kalaa (E)	2	5060000 - 5069999	VIII.1999
El Kalaa	2	5140000 - 5145999	VIII.1999
	2	5146000 - 5154999	VIII.1999
	2	5155000 - 5159999	VIII.1999
15 May (E)	2	5515000 - 5529999	VIII.1999
Galiub (E)	2	2146000 - 2149999	VIII.1999
Galiub	2	2130000 - 2134999	VIII.1999
Mehalet Hassan	40	2340000 - 2342499	VIII.1999
Nemret El Bassl	40	2320000 - 2322999	VIII.1999
Mehalet Zaiad	40	2840000 - 2843999	VIII.1999
Omar Ben Khatab	40	2400000 - 2402999	VIII.1999
El Riyad	50	410000 - 414999	VIII.1999
Demietta (E)	57	360000 - 379999	VIII.1999
Kafr El Bateekh (E)	57	663000 - 663999	VIII.1999
Saft El Khemar	86	280000 - 280899	VIII.1999
El Kousseya	88	750000 - 755999	VIII.1999
Berdees	93	920000 - 925999	VIII.1999
Draw	97	730000 - 736999	VIII.1999
Ben Ban Qebly	97	780000 - 781599	VIII.1999

United Arab Emirates

Communication of 2.VIII.1999:

Etisalat Emirates Telecommunications Corporation, Abu Dhabi, announces that it has opened the new number range 50 79 XXXXX for GSM prepaid services in the mobile telephone network of the United Arab Emirates (country code +971). The international dialling format is: +971 50 79 XXXXX.

Collect calls from and to the above numbers will not be accepted and no calls can be booked through their operators.

Malawi

Communication of 5.VIII.1999:

Malawi Posts and Telecommunications Corporation (MPTC), Blantyre, announces the introduction of a second cellular mobile telephone network in Malawi (country code +265). The new network, Celtel Malawi Limited, which will begin its operations in September 1999, has the following number ranges:

Subscriber numbers:	900 000 to 919 999
	921 000 to 999 999
International dialling format:	+265 9XX XXX
Test numbers:	+265 989 999 and +265 989 998

Collect calls to numbers of the mobile network are not accepted.

Contact:

Postmaster General
Malawi Posts and Telecommunications Corporation (MPTC)
Glyn Jones Road
P.O. Box 537
BLANTYRE
Malawi
Fax: +265 620820 / +265 671460
Telex: 904 44800 postgen mi

Netherlands

Communication of 6.VIII.1999:

KPN, Royal Dutch Telecom, The Hague, announces that the following additional number series will be introduced in the mobile network of the Netherlands (country code +31) from 6 September 1999:

<i>Number series</i>	<i>Name of operator</i>
+31 62 7XX XXXX	GSM, Libertel

Consequently, the following number series will be available in the Netherlands for mobile telephony (NMT and GSM) as from 6 September 1999:

+31 62 0XX XX XX up to and including +31 62 9XX XX XX
+31 65 0XX XX XX up to and including +31 65 5XX XX XX

Administrations and recognized operating agencies (ROAs) are requested to provide access to these number series if routing via KPN Telecom is applied.

Collect calls to mobile telephone numbers in the Netherlands are not allowed.

Saint Lucia

Communication of 9.VIII.1999*:

Cable and Wireless (St. Lucia) Ltd., Castries, announces that the new central office code (NXX) 932 is assigned to the NPA (Numbering Plan Area) code "758".

The international dialling format is: +1 758 932 XXXX.

Test number: +1 758 932 8437

Contact:

Gayle St. Cyr, Operations Department
Cable and Wireless (St. Lucia) Ltd.
CASTRIES
St. Lucia
Tel: +1 758 453 9445
Fax: +1 758 453 9707

* See also Operational Bulletin No. 679 of 1.XI.1998, page 7.

Switzerland

Communication of 11.VIII.1999:

Swisscom, Berne, announces that the Swiss regulatory body BAKOM has allocated a new range of access codes for Swisscom's new service "Company Access". This service has built-in IN- (Intelligent Network) functionality and gives access to companies with a private numbering plan.

The numbering format is +41 58 XXX XXXX for "Company Access" (with X = 0 ... 9).

All foreign operators are requested to open access for calls to these number ranges in Switzerland. Standard international direct dialling accounting rates are to be applied. Direct circuits exist to international switching centres in Geneva and Zurich but routing to Zurich is preferred.

The following test-number is available as from 1 September until 13 September 1999, and is routed to a recorded announcement in German language (Sie haben den IN-Dienst Company-Access angewählt): +41 58 554 0000.

Swaziland

Communication of 10.VIII.1999*:

Swaziland Posts and Telecommunications Corporation (SPTC), Mbabane, announces the opening of Hluti automatic exchange with effect from 10 August 1999 at 1400 hours (local time).

The telephone subscriber number range is 22X XXXX.

The following Nhlungano subscriber numbers have now been incorporated in the Hluti exchange:

<i>Old subscriber numbers</i>	<i>New subscriber numbers</i>
207 8919	227 5001
207 8046	227 5002
207 8515	227 5003
207 8996	227 5004
207 8994	227 5005
207 8858	227 5006
207 8859	227 5007
207 9001	227 5008
207 9127	227 5009
207 8854	227 5010
207 7817	227 5011
207 9127	227 5000
207 8993	227 5012
207 8918	227 5013
207 9244	227 5014
207 9315	227 5015
207 9285	227 5016
207 9329	227 5017
207 9373	227 5018
207 8888	227 5019
207 9540	227 5020
207 7110	227 5021
207 9661	227 5022
207 7165	227 5023

* See also ITU Operational Bulletin No. 692 of 15.V.1999, page 8.

Changes in Administrations/ROAs and other entities or Organizations

Slovakia

Communication of 16.VIII.1999*:

The *Ministry of Transport, Posts and Telecommunications* (Telecommunication Policy Dept., External Cooperation), Bratislava, announces that Mr. Jozef Macejko was appointed Minister of Transport, Posts and Telecommunications with effect from 12 August 1999 (Tf: +421 7 5273 1440; Fax: +421 7 5273 1438).

* The ITU Global Directory will be updated accordingly.

See also the communication of 24 June 1999 in Operational Bulletin No. 698 of 15.VIII.1999, page 17.

Other communication

Note from the General Secretariat (SG)

On 18 August 1999, the General Secretariat of ITU received from Mr Nenad Stankovic, *Assistant Minister* in the Federal Ministry of Telecommunications of the Federal Republic of Yugoslavia, Novi Beograd, a letter requesting that the following communication be disseminated through the ITU Operational Bulletin and the Notification:

(Original: English)

"Please note that in accordance with the decision taken by the Federal Government of the Federal Republic of Yugoslavia on 12th August 1999, Mr Ivan Markovic M.Sc. has been appointed to the post of Federal Minister of Telecommunications in the Federal Ministry of Telecommunications."

Service Restrictions

Sweden

Communication of 16.VIII.1999*:

Telia Sweden, Farsta, announces that from 27 September 1999 Sweden will no longer provide single ticket method collect calls from Sweden.

However, single ticket method collect calls to Sweden will continue to be accepted.

* See also ITU Operational Bulletin No. 691 of 1.IV.1999, page 15 and the Annex "Service Restrictions", page 13.

Note from the 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:

OB No.	
692	Canada (p. 4), Morocco (p. 8), Tonga (p. 5).
694	Cayman Islands (p. 8), Fiji (p. 5), Morocco (p. 9/10), Seychelles (Republic of) (p. 9).
697	Finland (p. 5/6).
698	Angola (p. 18).
699	United Arab Emirates (p. 6), Malawi (p. 6), Netherlands (p. 7), Sweden (p. 9).

**Call-Back
and other practices not in accordance with the relevant regulations**

Note from the TSB

Countries/geographical areas for which an information regarding "Call-Back and other practices 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), Niger (618), Nigeria (647), Uganda (603), Portugal (620), 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, in Operational Bulletin No. 685 of 1 February 1999 (pages 14 to 20), information on the position of some countries concerning call-back was published under the heading "Call-Back". This information is the result of a survey made by ITU-T Study Group 3 in accordance with Resolution 21 of the Plenipotentiary Conference (Kyoto, 1994).

See also Operational Bulletin No. 658 of 15.XII.1997.

AMENDMENTS TO SERVICE DOCUMENTS

Abbreviations used

ADD	insert	PAR	paragraph
COL	column	REP	replace
LIR	read	SUP	delete
P	page(s)		

List of Ship Stations (List V) 39th Edition and Supplement No. 1

Part IV

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

ADD

- AR03** Telefónica Larga Distancia de Argentina S.A., TLDA, Tucumán 1, piso 4.º,
1049 Buenos Aires, Argentina.
(Tf: +54 11 43701555, (ext.: 1725), or +54 11 43701563, Fax: +54 11 43134924,
Email: erios@tlda.com.ar or mlamas@tlda.com.ar,
Contact Persons: Edwin A. Rios or Marcelo M. Lamas).
- AR04** Telecom Internacional S.A., Av. Alicia Moreau de Justo 50, Piso 4.º,
1107 Buenos Aires, Argentina.
(Tf: +54 11 4318 0565/0500 (ext.: 1544 or 1537), Fax: +54 11 4318 0516/0571,
Email: aamendol@tecoint.com.ar, ealvarez@tecoint.com.ar or
afagetti@tecoint.com.ar,
Contact Persons: Alejandro Amendolara, Esteban Álvarez or Ariel Fagetti).

REP

- AA19** QICC Pty. Ltd., P.O. Box 98, Glen Forrest, Perth, Western Australia W.A. 6071,
Australia.
(Tel +61 8 94211221, Fax +61 8 93077970, E-mail qicc@omen.com.au,
Contact Persons: Bob Dale or Arthur Jones).
- BE01** Belgacom S.A. de droit public, Carrier Customers Division / CAR - FIN,
CAR - FIN International Accounting, Belgacom Towers 18T 076,
177, Bd. E. Jacqmain, B-1030 Brussels, Belgium.
(Tf: +32 2 2026872, Fax: +32 2 2024246, Email: luc.lioen@belgacom.be).

**List of International Signalling Point Codes (ISPC)
(According to ITU-T Recommendation Q.708)
(Position on 15 February 1999)**

(Annex to ITU Operational Bulletin No. 686 – 15.II.1999)

(Amendment No. 13)

Country/ geographical area ISPC	Location (town)/ Unique name	Name of operator
P 3	Germany	ADD
2-033-0	40599 Düsseldorf	Viaphone GmbH
2-033-1	60314 Frankfurt	Viaphone GmbH
2-033-2	60489 Frankfurt am Main	Mannesmann Mobilfunk GmbH
2-033-3	40213 Düsseldorf	Mannesmann Mobilfunk GmbH
2-033-4	20537 Hamburg	Talkline GmbH
2-033-5	85540 Haar	CompleTel GmbH
2-033-6	70174 Stuttgart	tesion Kommunikationsnetze Sudwest GmbH & Co. KG
2-034-5	65760 Eschborn	EGN B.V.
2-034-6	40547 Düsseldorf	Pacific Gateway Exchange Inc.
2-034-7	60326 Frankfurt am Main	Pacific Gateway Exchange Inc.
P 5	Argentina	ADD
7-045-0		Compañía de Teléfonos Del Plata S.A.
7-045-1		Compañía de Teléfonos Del Plata S.A.
7-045-2		Compañía de Teléfonos Del Plata S.A.
7-045-4		Compañía de Telecomunicaciones Integrales S.A.
7-045-5		Compañía de Telecomunicaciones Integrales S.A.
7-045-6		Compañía de Telecomunicaciones Integrales S.A.
P 8	Belgium	ADD
2-097-3	Brussel-1	Cable & Wireless Global Network Belgium
2-097-4	Codenet (Bruxelles)	Codenet
2-097-5	Carrier 1 Belgium s.p.r.l.	Carrier 1 Belgium s.p.r.l.
P 8	Brazil	ADD
7-049-0	Rio de Janeiro RJ	Bonari
7-049-1	São Paulo SP	Bonari
7-049-2	Fortaleza CE	Bonari
7-049-3	São Paulo SP	Embratel
7-049-4	Rio de Janeiro RJ	Embratel
7-049-5	Presidente Prudente SP	Globalstar
P 9	Canada	ADD
3-008-3	Vancouver (VANCBC0701W)	BCT.Telus
3-008-4	Vancouver (VANCBC0802T)	BCT.Telus
3-009-1	New Westminster, B.C. (NWMRBC0101W)	BCT.Telus

P 9	Chile	ADD	
	7-062-1	Santiago	World Change Communications S.A.
P 9	China	ADD	
	4-120-0	Shenzhen	China Telecom
	4-120-7	Beijing	China Space Mobile Satellite Telecommunications Co., Ltd.
	4-121-0	Harbin	China Telecom
	4-121-1	Beijing	China Telecom
	4-121-2	Shanghai	China Telecom
	4-121-3	Shanghai	China Telecom
	4-121-4	Guangzhou	China Telecom
	4-121-5	Urumchi	China Telecom
	4-121-6	Qingdao	China Telecom
	4-121-7	Yanji	China Telecom
P 10	Denmark	ADD	
	2-077-7	Copenhagen	GTS Danmark A/S
P 17	United States	ADD	
	3-059-3	New York, NY	ITC, Inc.
	3-059-4	Anaheim, CA	Southwestern Bell Communication Services, Inc. (dba SBCLD)
P 19	Hongkong	ADD	
	4-105-1	SingTel-HK1	Singapore Telecom Hong Kong Limited
	4-105-4	World Navigation	World Navigation Limited
	4-106-6	Signal HK1	Signal Global Communications HK Limited
	4-106-7	HKGCRB	AIC Asia International Services Corporation
	4-107-1	HK1618	HK 1618 Communications Limited
	4-107-4	SmartGate	SmarTone Mobile Communications Limited
	4-107-6	NGT-HKGW	New Global Telecom (HK) Limited
P 22	Luxembourg	ADD	
	2-141-0	Luxembourg-CDN	Codenet S.A.
P 26	Netherlands	ADD	
	2-253-0	AMST NL 0400 W, Amsterdam	Viafoperations Communications B.V.
P 32	Sweden	ADD	
	2-081-5	Stockholm (T1E - STH)	Tele1 Europe Sverige AB
	2-081-6	Göteborg (T1E - GBG)	Tele1 Europe Sverige AB
	2-081-7	Malmö (T1E - MLM)	Tele1 Europe Sverige AB

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

**List of ITU Carrier Codes
(According to ITU-T Recommendation M.1400)
(Position on 15 March 1999)**

(Annex to ITU Operational Bulletin No. 688 – 15.III.1999)

(Amendment No. 11)

Country or area/ISO code	Company Code	Contact
Company Name/Address	(carrier code)	
P 3 <i>Germany (Federal Republic of) / DEU ADD</i>		
KomTel Gesellschaft für Kommunikations und Informationsdienste mbG Nordmarkt 1 D - 24937 FLENSBURG	KOMTEL	Gerd Jürgensen Tel.: +49 909 0085 Fax: +49 909 0031 E-mail: Gerd.Juergensen@komtel.net
P 5 <i>Austria / AUS ADD</i>		
Teleglobe GmbH Karntner Ring 5-7 A - 1010 WIEN	TGB	Charles A. Tievsky Tel.: +1 703 755 2430 Fax: +1 703 755 2610 E-mail: ctievsky@teleglobe.com
P 5 <i>Austria / AUT ADD</i>		
TNS Telephone Network Service GmbH Davidgasse 72 A - 1100 WIEN	TNS	Roland Sigmund Head Technik Tel: +43 1 641 7272-109 Fax: +43 1 641 7272-20 E-mail: rsigmund@csi.com
P 5 <i>Bahrain (State of) / BHR Bahrain Telecommunications Company LIR</i>		
Bahrain Telecommunications Company Building 1095 Road 1425 HAMALA	BTC	Ebrahim Al Haddad Tel.: +973 885510 Fax: +973 532116 E-mail: ebrahim.haddad@yahoo.com
P 16 <i>Malaysia / MYS Telekom Malaysia Berhad (TM) LIR</i>		
Telekom Malaysia Berhad Global Business Jalan Gelenggang Damansara Heights 50490 KUALA LUMPUR	TM	<i>Razali Harun, General Manager</i> Tel.: +60 3 208 8772 Fax: +60 3 208 8500 E-mail: rharun@tm.net.my

**List of Telegram Destination Indicators
(In accordance with ITU-T Recommendation F.32)
(Position on 15 May 1999)**

(Annex to ITU Operational Bulletin No. 692 – 15.V.1999)

(Amendment No. 5)

P 8 CANADA Téléglobe Inc. Montréal Network code: CA **LIR***

Date of application: 1 October 1999 at 0000 hours UTC

1	2	3	4	5
CANADA CANADA CANADÁ	ATT Corp, USA - ATT Easylink Services, Middletown, VA (United States)	CA - -	All destinations	CAMX

P 43 CANADA

COL 2 **REP*** Téléglobe Inc. - Téléglobe Inc., Montréal
by ATT Corp, USA - ATT Easylink Services, Middletown, VA (United States)

* See ITU Operational Bulletin No. 698 of 15.VIII.1999, page 14 and this Operational Bulletin No. 699, page 5.

**List of Names of Administration Management Domains (ADMD)
(In accordance with ITU-T F.400 and X.400 Series
Recommendations)
(Position on 28 February 1998)**

(Annex to ITU Operational Bulletin No. 663 – 1.III.1998)

(Amendment No. 12)

P 36 ADMD name KDDFAX **LIR**

1	2	3	4	5	6	7	8	9
Japon <i>Japan</i> Japón	KDDFAX	JP			(Fax-SFU) F-port	NO	NO	KDD Corporation 2-3-2 Nishi-Shinjuku Shinjuku-ku TOKYO 163-8003 Japan TF: +81 3 3347 7726 FAX: +81 3 3347 6362 TLX: X.400:

P 36 ADMD name KDD **SUP**

1	2	3	4	5	6	7	8	9
Japon <i>Japan</i> Japón	KDD	JP		MESSAVIA		NO	NO	Kokusai Denshin Denwa Co., Ltd. 2-3-2 Nishi-Shinjuku Shinjuku-ku TOKYO 163-03 Japan TF: +81 3 3347 7087 FAX: +81 3 3347 6362 TLX: X.400:

P 36 ADMD name KDDMAIL SUP

1	2	3	4	5	6	7	8	9
Japon Japan Japón	KDDMAIL	JP	MESSAVIA			NO	NO	Kokusai Denshin Denwa Co., Ltd. 2-3-2 Nishi-Shinjuku Shinjuku-ku TOKYO 163-03 Japan TF: +81 3 3347 7087 FAX: +81 3 3347 6362 TLX: X.400:

**List of Issuer Identifier Numbers for
the international telecommunication charge card
(in accordance with ITU-T Recommendation E.118)
(Position on 1 October 1998)**

(Annex to ITU Operational Bulletin No. 677 – 1.X.1998)

(Amendment No. 16)

P 23 Ghana ADD

Country/ geographical area	Company Name/Address	Issuer Identifier Number	Contact	Effective date of usage
Ghana	Ghana Telecommunications Company Ltd. Telecom Headquarters House Accra North ACCRA	89 233 02	Subramaniam Raju ACCRA Tel: +233 21 220 001 Fax: +233 21 238 855	immediate

P 34 ADD Russia

Country/ geographical area	Company Name/Address	Issuer Identifier Number	Contact	Effective date of usage
Russia	TELECOM XXI 6, Proletarskoy Diktatory Square St. Petersburg 193124	89 7 193	Yuri B. Vymorkov International Relations Manager TELECOM XXI St. Petersburg Tel: +7 812 329 7447 Fax: +7 812 329 7448	1.IX.1999

P 35 Singapore ADD

Country/ geographical area	Company Name/Address	Issuer Identifier Number	Contact	Effective date of usage
Singapore	StarHub Pte Ltd. 51 Cuppage Road StarHub Centre, #07-00 SINGAPORE 229469	89 65 05	Lim Eng. Huat Tel: +65 880 6000 Fax: +65 289 9848 / +65 736 6042	1.XII.1999

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

P 46 ADD Russia

Country/geographical area	Approving Organization
Russia	Director General of the Department for International Cooperation State Committee for Telecommunications of the Russian Federation 7 Tverskaya Street 102275 MOSCOW K-375 Tel. +7 095 9255108 Fax: +7 095 2302097