



ITU Operational Bulletin



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Place des Nations CH-1211 Genève 20 (Switzerland)

Tf: National (022) 730 5111
International +41 22 730 5111
Tg: Itu Genève
Tlx: 421000 uit ch
Fax: +41 22 730 58 53
+41 22 733 72 56
E-mail: itumail@itu.int
F.400 / X.400: S=itumail; P=itu; A=400net; C=ch

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

GENERAL INFORMATION

Lists annexed to Operational Bulletin

Note from the TSB

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

OB No.

- 590 List of Telex Destination Codes (TDC) and Telex Network Identification Codes (TNIC) (Position on 31 December 1994)
– *Complement to ITU-T Recommendations F.69 and F.68*
- 615 List of Mobile Country or Geographical Area Codes (Complement to ITU-T (ex-CCITT) Recommendation E.212) (Position on 1 March 1996)
- 644 List of Telegram Destination Indicators (In accordance with ITU-T Recommendation F.32) (Position on 1 May 1997)
- 656 List of International Carrier Codes (According to ITU-T Recommendation M.1400) (Position on 15 November 1997)
- 658 List of ITU-T Recommendation E.164 assigned Country Codes (Complement to ITU-T Recommendation E.164 (05/97)) (Position on 15 December 1997)
- 659 List of Data Country or Geographical Area Codes (Complement to ITU-T Recommendation X.121) (Position on 31 December 1997)
- 660 List of Data Network Identification Codes (DNIC) (According to ITU-T Recommendation X.121) (Position on 15 January 1998)
- 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)
- 667 List of International Signalling Point Codes (ISPC) (According to ITU-T Recommendation Q.708) (Position on 1 May 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)

* 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*

A. In accordance with procedures outlined in Resolution 1, Section 8, of the WTSC-96 (Geneva, 1996), the following Recommendations were approved:

- Amendment 1 to ITU-T Recommendation J.1 (03/98): Terminology for new services in television and sound-programme transmission
- ITU-T Recommendation J.94: Service information for digital broadcasting in cable television systems
- ITU-T Recommendation P.10: Vocabulary of terms on telephone transmission quality and telephone sets
- ITU-T Recommendation P.360: Efficiency of devices for preventing the occurrence of excessive acoustic pressure by telephone receivers
- ITU-T Recommendation P.831: Subjective performance evaluation of network echo cancellers
- ITU-T Recommendation P.911: Subjective audiovisual quality assessment methods for multimedia applications
- ITU-T Recommendation P.931: Multimedia Communications Delay, Synchronization and Frame Rate Measurement
- ITU-T Recommendation G.103: Hypothetical reference connections
- ITU-T Recommendation G.107: The E-Model, a computational model for use in transmission planning
- ITU-T Recommendation G.120: Transmission characteristics of national networks
- ITU-T Recommendation G.142: Transmission characteristics of exchanges
- ITU-T Recommendation E.169: Application of Recommendation E.164 numbering plan for universal international freephone numbers for international freephone service
- ITU-T Recommendation E.212: The international identification plan for mobile terminals and mobile users
- ITU-T Recommendation F.853: Supplementary services in the Universal Personal Telecommunication (UPT) environment
- ITU-T Recommendation E.425: Internal automatic observations
- ITU-T Recommendation E.500: Traffic intensity measurement principles
- ITU-T Recommendation E.733: Methods for dimensioning resources in Signalling System No. 7 networks

* See TSB Circulars 155 and 159 of 11 December 1998 and 163 of 16 December 1998.

Maritime Mobile Service

Denmark

Communication of 7.I.1999:

Tele Danmark announces that the coast station LYNGBY RADIO will cease Morse radiotelegraphy service on 500 kHz and on HF frequencies as from 1 February 1999. The transmission and reception of radiotelegrams will be made by radiotelephony, radiotelex, and via Inmarsat A, B and C.

As from 1 February 1999, radiotelephone calls can, between 2200 and 0600 hours UTC, only be ordered by calling immediately after the transmission of traffic lists on the corresponding ship frequency.

Legal time changes

Hungary

Communication of 6.I.1999:

Legal time in Hungary will be advanced by 60 minutes from 28 March 1999 at 0100 hours UTC to 31 October 1999 at 0100 hours UTC and thereby will correspond to UTC +2.

Lithuania

Communication of 4.I.1999:

Legal time in Lithuania will be advanced by 60 minutes from 28 March 1999 at 0100 hours UTC to 31 October 1999 at 0100 hours UTC and thereby will correspond to UTC +2.

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

Note from the TSB

At the request of the Administrations of Germany, Austria and El Salvador, 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:

<i>Country/geographical area or signalling network</i>	<i>SANC</i>
Germany (Federal Republic of)	2-251
Austria	2-026
El Salvador (Republic of)	7-013

SANC: Signalling Area Network Code.

Code de zone/réseau sémaphore (CZRS).

Código de zona/red de señalización (CZRS).

Exchange of international telephone accounts

France

Communication of 24.XII.1998:

*Recovery of unpaid telephone charges owed to operators whose customers reside in France
and of those owed to France Telecom by customers resident abroad
(ITU-T Recommendation D.173)*

France Télécom, Réseaux et Services Internationaux (*Direction Financière et Informatique*), Paris, announces the following:

"In view of the liberalization of the telecommunication sector, the recovery of debts by mutual agreement between incumbent operators constitutes a discriminatory act vis-à-vis new operators as regards the right to competition.

From 1 January 1999, therefore, France Télécom SA will no longer seek to recover unpaid telephone charges owed to foreign operators by customers who have taken up residence in France, or entrust other operators with the recovery of unpaid France Télécom charges owed by customers who have moved abroad.

France Télécom will nevertheless continue to attend to cases pending, but will reject any new claims."

Telegram Service

Belgium

Communication of 22.XII.1998:

*Abolition of telegraph money orders**

Belgacom, Bruxelles, announces that the Belgian postal service has informed it in a communication of 18 December 1998, that the exchange of both incoming and outgoing international telegraph money orders will be abolished from 4 January 1999.

Belgacom will therefore no longer accept "MDT" telegrams as from 4 January 1999.

The postal administrations of all countries concerned have already been informed of this decision by the Belgian postal service in a separate communication.

* Postal financial services telegrams with service indication POSTFIN. See Recommendation ITU-T F.1(03/98), A10, A234 and A235.

Telephone Service

Colombia

Communication of 4.I.1999:

The *Empresa Nacional de Telecomunicaciones* (TELECOM), Santafé de Bogotá D.C., announces the following modifications in the telephone numbering plan of Colombia:

Modifications

<i>Locality (DEP)</i>	<i>Old area code</i>	<i>Old numbers</i>	<i>New area code</i>	<i>New numbers</i>	<i>Date</i>
Arjona (BOL)	56	284XXX	5	6284XXX	4.I.1999
		29400X - 29434X	5	629400X - 629434X	4.I.1999
		29441X - 29443X	5	629441X - 629443X	4.I.1999
		2945XX - 2949XX	5	62949XX	4.I.1999
Mahates (BOL)	56	2965XX - 2967XX	5	63965XX - 63967XX	4.I.1999
Malagana (BOL)	56	29444X - 29446X	5	629444X - 629446X	4.I.1999
Maria la Baja (BOL)	56	2960XX - 2963XX	5	62960XX - 62963XX	4.I.1999
San Cayetano (BOL)	56	29435X - 29440X	5	629435X - 629440X	4.I.1999
San Vicente del Caguán (CAQ)	8	5644XXX	8	4644XXX	18.XII.1998
			8	4645XXX - 4646XXX	
Sincerín (BOL)	56	29447X - 29449X	5	629447X - 629449X	4.I.1999
Villanueva (BOL)	56	2975XX - 2977XX	5	62675XX - 62677XX	4.I.1999

Localities included in the automatic network

<i>Locality (DEP)</i>	<i>Area code</i>	<i>Local numbering</i>	<i>Date</i>
Cusiana - Tauramena (CAS)	8	62479XX	7.XII.1998
Paez (BOY)	8	75940XX - 75942XX	23.XII.1998
Santa Sofia (BOY)	8	73590XX - 73592XX	23.XII.1998
Sotaquirá (BOY)	8	78730XX - 78731XX	16.XII.1998
Zetaquirá (BOY)	8	73440XX - 73442XX	23.XII.1998

Korea (Rep. of)

Communication of 21.XII.1998:

Korea Telecom, Seoul, announces that the following telephone numbers in the Seoul Region, Korea (Republic of) (country code +82) will be changed, on 1 January 1999, by adding the digit «2» at the beginning of the numbers.

· *New telephone numbering plan in Seoul Region, Korea (Rep. of)*

Area Code: 2

Date of change: 1.1.1999

<i>Old numbers</i>	<i>New numbers</i>
202 XXXX - 205 XXXX	2201 XXXX - 2205 XXXX
207 XXXX - 209 XXXX	2207 XXXX - 2209 XXXX
210 XXXX - 217 XXXX	2210 XXXX - 2217 XXXX
220 XXXX	2220 XXXX
222 XXXX	2222 XXXX
224 XXXX - 226 XXXX	2224 XXXX - 2226 XXXX
230 XXXX - 238 XXXX	2230 XXXX - 2238 XXXX
240 XXXX - 249 XXXX	2240 XXXX - 2249 XXXX
250 XXXX	2250 XXXX
252 XXXX - 254 XXXX	2252 XXXX - 2254 XXXX
259 XXXX	2259 XXXX
260 XXXX - 269 XXXX	2260 XXXX - 2269 XXXX
270 XXXX - 279 XXXX	2270 XXXX - 2279 XXXX
281 XXXX - 282 XXXX	2281 XXXX - 2282 XXXX
285 XXXX	2285 XXXX
287 XXXX	2287 XXXX
289 XXXX	2289 XXXX
290 XXXX - 299 XXXX	2290 XXXX - 2299 XXXX
638 XXXX	2638 XXXX
667 XXXX	2667 XXXX

Double Access will be made available for a period of three months from 1 January 1999 to 31 March 1999, and a recorded announcement will be made during the following three months from 1 April 1999 to 30 June 1999, both in Korean and English, for numbers subject to change excluding those listed below. For numbers for which double access is not available, a recorded announcement will be made for the six-month period from 1 January 1999 to 30 June 1999, both in Korean and English.

· *Subscriber numbers for which double access is not available*

220 XXXX	222 XXXX	224 XXXX	225 XXXX	226 XXXX
263 XXXX	266 XXXX	268 XXXX	638 XXXX	667 XXXX

Contact:

Korea Telecom
206 Chongja-dong, Pundang-gu
Songnam City, Kyonggi-do
463-711, Korea (Rep. of)
Tel: +82 342 727 2731-5
Fax: +82 2 750 3830-1
Mr. Jae-Mo Kah, Global Business Center, Korea Telecom.

Egypt

Communication of 21.XII.1998:

The *National Telecommunication Organization (Egypt Telecom)*, Cairo, announces the entry into service of the following subscriber number range (extension (E) with change in numbering):

<i>Exchange</i>	<i>Area Code</i>	<i>New numbering range</i>	<i>Date of entry into service</i>
Dashlot (E)	88	794000 - 794547	8.XII.1998

Niger

Communication of 4.I.1999:

The *Société nigérienne des télécommunications (SONITEL)*, Niamey, announces that, following the installation of a new digital exchange at Birni N'Konni, the new number series 640 XXX has been brought into service, effective 15 December 1998. The numbering is comprised of the old subscriber number preceded by 640. Example of the international dialling format: +227 640 XXX.

Numbering Plan for Niger (country code 227)

<i>City</i>	<i>Switched telephone network Subscriber numbers</i>	<i>Cellular telephone network Subscriber numbers</i>
Niamey	72 XXXX 73 XXXX 74 XXXX 75 XXXX	90 XXXX
<i>Regions</i>		
Agadez	44 XXXX	
Arlit	45 XXXX	
Birni N'Konni	64 XXXX	
Diffa	54 XXXX	
Dosso	65 XXXX	
Filingue	77 XXXX	
Maradi	41 XXXX	
Say	78 XXXX	
Tahoua	61 XXXX	
Tillabery	71 XXXX	
Zinder	51 XXXX	

Contact:

Mahamane Mai-Dama
Directeur Commercial
Société nigérienne des télécommunications (SONITEL)
BP 208
NIAMEY
Niger

Trinidad and Tobago

Communication of 10.XII.1998*:

Telecommunication Services of Trinidad and Tobago Limited (TSTT), Port of Spain, announces the introduction of a new central office code (NXX) 687 in Trinidad and Tobago, effective 1 January 1999. This central office code is assigned to the NPA (Numbering Plan Area) code 868 within the World Zone 1 area. This NXX will be used to support a new voice-mail service (voice messaging service) named "Virtual Telephony". The international dialling format is +1 868 687 XXXX.

Complete list of central office codes of NPA code "868"
(country code/NPA: +1 868):

. NXXs

619	620**	622	623	624	625
627	628	629	630	632	633
634	636	637	638	639	640
642	643	644	645	646	647
648	649	650	652	653	654
655	656	657	658	659	660
662	663	665	667	668	669
670	673	674	675	676	677
678**	679	680**	681**	682**	687***

** Mobile cellular telephone

*** Voice-mail service (voice messaging service)

For further information, please contact:

Nigel Cassimire
Manager, Network Services
Telecommunications Services of Trinidad and Tobago Limited
1 Edward Street
PORT OF SPAIN
Trinidad W.I.
Tf.: +1 868 624 2928
Fax: +1 868 624 6525
e-mail: nigelc@tstt.net.tt

* See ITU Operational Bulletin No. 672 of 15.VII.1998, page 6.

Data Transmission Service (ITU-T Recommendation X.121)

International numbering plan for public data networks

Czech Rep.

Communication of 28.XII.1998:

In accordance with ITU-T Recommendation X.121, the Administration of Czech Republic has allocated the Data Network Identification Code (DNIC) 230 2 to *Aliatel*.

Address of the service provider:

Aliatel, a.s.
Admin. Centrum Karlín
Sokolovská 86
CZ-18000 PRAHA 8
Czech Republic
Tf: +420 2 8303 1111
Fax: +420 2 8303 1122

Changes in Administrations/ROAs and other entities or Organizations

Germany

Communication of 4.XII.1998*:

The Administration of Germany announces that, with immediate effect, the new designation of the Ministry in charge of telecommunications in Germany, is *Federal Ministry of Economics and Technology*.

Address:

Federal Ministry of Economics and Technology
Division VII A 4
D - 53107 BONN
Germany
Dr. Werner Müller, Federal Minister of Economics and Technology.
Dr. Alfred Tacke, State Secretary.

The responsibilities of Mr. Horst Ehrnsperger, Mr. Ernst Mannherz, and Mr. Ulrich Mohr remain unchanged.

The address of the *Regulatory Authority for Telecommunications and Posts* is:

Regulatory Authority for Telecommunications and Posts
Mr. Michael Heringer
Head of Division 113
PO Box 8001
D - 53105 BONN
Germany
Tf: +49 228 14 1130
Fax: +49 228 14 6113

* This information modifies that published in ITU Operational Bulletin No. 664 of 15.III.1998, pages 12/13.

Israel

Communication of 4.I.1999:

Bezeq International, Petach Tikva, informs all administrations that as from Friday 8 January 1999 its International Operator Service Centre will move from Yehuda Halevi, 74, Tel-Aviv, to the company headquarters 40 Hashacham street, 49170 Petach Tikva.

From the above date the Supervisor telephone numbers will be as follows:

+972 3 925 7393 or +972 3 925 7394.

The telephone number +972 3 5657505 will no longer be available.

Malaysia

Communication of 23.XII.1998:

*Change of name**

The Administration of Malaysia announces that, as from 1 November 1998, the Ministry of Energy, Telecommunications and Posts has been renamed *Ministry of Energy, Communications and Multimedia*. The address of the Ministry remains unchanged.

The Administration of Malaysia also informs ITU that the regulatory regime applicable to telecommunications and broadcasting in Malaysia is to be restructured in early 1999. The functions of "Jabatan Telekomunikasi Malaysia (JTM)", the agency currently responsible for telecommunication regulation, will be taken over by the Communications and Multimedia Commission, which will come into being on 1 April 1999. Details of the Commission, together with the names of contact persons and their responsibilities, will be provided in due course.

* The ITU Global Directory will be updated accordingly.

Qatar

Communication of 17.XII.1998:

Change of legal entity

QATAR TELECOM (Q.S.C.), Doha, announces that as from 26 November 1998, Qatar Public Telecommunications Corporation (Q-Tel) became a joint-stock company with the name of "QATAR TELECOM" (Q.S.C.). The postal address, telephone, fax and telex numbers will remain unchanged.

QATAR TELECOM Q.S.C. will take over all rights and obligations in respect of the operation of all national and international telecommunication services in the State of Qatar and will conduct business under the name of QATAR TELECOM (Q.S.C.)

Other communications

Brazil

Communication of 4.I.1999:

Public holidays in 1999 (day, month):

1.01	New Year's Day
16.02	Carnival
2.04	Holy Friday
21.04	Tiradentes' Day (Martyr of Independence)
1.05	Labour Day
3.06	Corpus Christi
7.09	Independence Day
12.10	Saint Aparecida's Day (Brasil's Patroness Saint)
2.11	All Souls Day
15.11	Republic Proclamation Day
25.12	Christmas

Egypt

Communication of 28.XII.1998:

Public holidays in 1999 (day, month):

18.01 to 21.01	Eid El Fitr ^{*)}
27.03 to 31.03	Eid El Adha ^{*)}
12.04	Sham El Nasseem
17.04	Hejira New Year ^{*)}
25.04	Sinai Liberation Day
1.05	Labour Day
26.06	Prophet Mohammed's Birthday
23.07	Revolution Day
6.10	Army Forces Day

^{*)} Subject to be plus or minus one day according to the moon months.

Hongkong

Communication of 4.I.1999:

Public holidays in 1999 (day, month):

1.01	The first day of January
16.02	Lunar New Year's Day
17.02	The second day of Lunar New Year
18.02	The third day of Lunar New Year
2.04	Good Friday
3.04	The day following Good Friday
5.04	Easter Monday
6.04	The day following Ching Ming Festival
1.05	Labour Day
22.05	The Birthday of the Buddha
18.06	Tuen Ng Festival
1.07	Hong Kong SAR Establishment Day
25.09	The day following Mid-Autumn Festival
1.10	National Day
18.10	The day following Chung Yeung Festival
25.12	Christmas Day
27.12	The first week-day following Christmas Day

Lithuania

Communication of 4.I.1999:

Public holidays in 1999 (day, month):

1.01	New Year's Day
16.02	Independence Day
11.03	Independence Restoration Day
5.04	Easter Monday
6.07	King Mindaugas Day
1.11	All Saints' Day
25.12 and 26.12	Christmas

Turkey

Communication of 23.XII.1998:

Public holidays in 1999 (day, month):

1.01	New Year's Day
18.01 (afternoon) to 21.01	Eid El Fitr
27.03 (afternoon) to 31.03	Eid El Adha
23.04	National Sovereignty and Children Day
19.05	Commemoration of Atatürk, Youth and Sports Day
30.08	Victory Day
29.10	Independence Day

Service Restrictions

Note from the TSB

See the list of service restrictions in force in the Recapitulatory Table published as an annex to Operational Bulletin (OB) No. 490 of 14.III.1991 and the following subsequent communications:

OB No.	
515	United Kingdom
520, 679	Libya
524	Syria
527	Zambia
532	Peru
534, 644	United Arab Emirates
538, 565, 574	Finland
545	Venezuela
548, 570, 675	Egypt
555	Jamaica
566	Israel
609	Congo, Poland
614	Cyprus
618	Namibia, Papua New Guinea
623	Australia
631	Sweden
634, 663	Trinidad and Tobago
636, 658, 671	Antigua and Barbuda
637	Azerbaijan
640	Seychelles
642	Netherlands, Sweden
657, 682	Austria
661	Korea (Rep. of)
680	Fiji
681	Cook Islands
682	Norway

Important Notice: An up-to-date recapitulatory table of service restrictions in force is in preparation. Administrations and recognized operating agencies (ROAs) concerned are kindly requested to check any information published on their behalf in ITU Operational Bulletins and to communicate any changes in that information to ITU/TSB (Fax No. +41 22 730 5853; Tlx: 421000 uit ch).

Call-Back

Note from the TSB

Countries/geographical areas for which an information regarding "Call-Back" 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), 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), Morocco (619), Niger (618), Nigeria (647), Uganda (603), Portugal (620), Qatar (593), Dem. Rep. of the Congo (672), Seychelles (631), South Africa (655), Tanzania (624), Thailand (611), Turkey (612), Viet Nam (619), Wallis and Futuna (649), Yemen (622).

In addition, in Operational Bulletin No. 658 of 15 December 1997, (pages 10 to 18), 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).

AMENDMENTS TO SERVICE DOCUMENTS

Abbreviations used

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

List of Coast Stations (List IV) 16th Edition

(Amendment No. 5)

DNK Denmark – as from 1.III.1999

P 739–743 Notes A, B₁, C, G, H₁, K and M **LIR**

A Accounting authority: Tele Denmark, Coastal Radio Services, Lyngby Radio, Bagsvaerd Moellevej 3, DK- 2800 Lyngby (Denmark).
TF: +45 45 87 66 12
FAX: +45 44 49 53 35

B₁ Radiotelegrams*

1. Land station charge: 0.34 SDR per word.
2. Landline charge (binary system):

	Per radio-telegram SDR	Per word SDR
a) Denmark.....	12.17	0.—
b) Europe [including Faroe Islands and Greenland], Algeria, Egypt, Israel, Lebanon, Libya, Morocco, Syria and Tunisia.....	12.17	0.33
c) Other countries.....	12.17	0.48

* Service indication admitted:
LX, surcharge 2.— SDR.

Service indication admitted: URGENT.

A radiotelegram to an addressee in Denmark (except in the Faroe Islands and in Greenland) will be sent by post from the coast station unless the address contains one of the service indications TFX, TLXx, FAXx or URGENT.

C Radiomaritime letters = SLT = (including onward postal charges): 13.58 SDR for a minimum of 22 words. Each additional word: 0.34 SDR. SLT are not admitted to Greenland.

A surcharge of 2.— SDR is made for the service indication LX.

G Radiotelex calls

Manual operation (minimum 3 min.)

Automatic operation (minimum 6 seconds)

1. Land station charge: 2.27 SDR/min.
2. Landline charge
 - a) Denmark: the landline charge is included in the land station charge.
 - b) Europe [except countries mentioned under c)]: 0.22 SDR/min.
 - c) Algeria, Armenia, Azerbaijan, Belarus, Cyprus, Estonia, Georgia, Gibraltar, Iceland, Kazakstan, Kyrgyzstan, Latvia, Lithuania, Libya, Malta, Morocco, Moldova, Uzbekistan, Russia, Tajikistan, Tunisia, Turkmenistan, Turkey and Ukraine: 0.32 SDR/min.
 - d) Australia, Canada, United States (except Hawaii), Greenland, Israel, Jordan and Lebanon 1.27 SDR/min.
 - e) Egypt, Hawaii, Iran (Islamic Republic of) and Syria: 1.76 SDR/min.
 - f) Other countries: 1.95 SDR/min.

- H₁ Radiotelephone calls (minimum 1 min.)
1. Land station charge
 - MF: 1.65 SDR/min.
 - HF: 3.85 SDR/min.
 - VHF: 1.65 SDR/min.
 - VHF/DSC: 0.38 SDR/min.
 2. Landline charge
 - a) Denmark: the landline charge is included in the land station charge.
 - b) Faroe Islands, Finland, Norway and Sweden: 0.22 SDR/min.
 - c) Canada, United States (including Alaska) and Europe [except countries mentioned under b)]: 0.44 SDR/min.
 - d) Greenland: 0.77 SDR/min.
 - e) Algeria, Armenia, Australia, Azerbaijan, Belarus, Gibraltar, Japan, Libya, Malta, Morocco, Moldova, Russia, Singapore, Tunisia and Ukraine: 0.88 SDR/min.
 - f) Hongkong, Israel, Malaysia and New Zealand: 1.43 SDR/min.
 - g) Other countries: 1.93 SDR/min.
- K The charge for a one-minute transmission of QTG signals is 2.20 SDR.
- M Radiotelex letters (RTL) (including onward postal charges): 2.20 SDR/min. plus 2.42 SDR per RTL.

**List
of Ship Stations
(List V)
38th Edition
and Supplements Nos. 1 and 2**

Part IV

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

ADD

- HO06** International Maritime Radio Accounting Corporation, S. de R. L., 200 mts. al Oeste del Instituto San Miguel, contiguo al Centro financiero BANEXPO, Colonia Lomas del Guijarro Sur, Tegucigalpa, Honduras.
(Tel +504 2391799, Fax +504 2391808, E-mail cosmos@hondudata.com).
- PG13** International Registries & Documentation Inc., (Intereg & Doc., Inc.), Avenida México y Calle 31, Edificio 1-109, Oficina No. 9, Planta Baja, Panamá, Panamá.
(Tel +507 2251748, Fax +507 2253049).

REP

- BG01** Bulgarian Telecommunications Company, Plc., 8 Totleben Blvd., 1606 Sofia, Bulgaria.
(Tel +359 2 9879225, Fax +359 2 9515590, E-mail stgalev.fin@btc.bg,
Contact Persons: Stefan Galev or Daniela Todorova).
- BJ01** Bangladesh Telegraph and Telephone Board, Telejogajog Bhaban, 37/E, Eskaton Garden, Dhaka-1000, Bangladesh.
(Tel +880 2 832266, Tlx 780 642020/642030 bttb bj, Fax +880 2 866602,
Contact Person: S.A.T.M. Badrul Hoque).

P 324 S REP
(Supplement No. 2)

S

- a) DP03 EI06 GB03
GB08 GB11 GK22
NL01 RS01 SW01
- b) SW01

**List of international
monitoring stations
(List VIII)
8th Edition (September 1995)**

(Amendment No. 11)

**PART III – Particulars of monitoring stations carrying out measurements related to stations in the
space radiocommunication services**

Alphabetical order

ADD J Japon

1. *Name of the station*
Tokyo
(SCIE, IMS, SCTE).
2. *Geographical coordinates*
139°39′ E 35°12′ N.
3. *Hours of service*
2330-1200 h from Monday to Friday.
4. *Information on antennae in use*
5 m Cassegrain antenna for frequency ranges (a), (b), (c).
5. *Range of azimuth and elevation angles*
180°, 90°.
6. *Maximum attainable accuracy in determining orbital positions of space stations*
 - (a) L band: 0.1°
 - (b) Ku band: 0.02°
 - (c) Ka band: 0.01°.Accuracy in antenna pointing direction.
7. *Information on system polarization*
Polarization tracking in all frequency ranges.
 - Circular polarization (RHC, LHC).
 - Linear polarization (V, H).
8. *System noise temperature*
 - (a) L band: 220 K
 - (b) Ku band: 100 K
 - (c) Ka band: 110 K.

9. *Ranges of frequencies with the maximum attainable accuracy of frequency measurement for each frequency range*
- (a) L band: 1525 MHz– 1710 MHz
 (b) Ku band: 10.7 GHz – 12.75 GHz
 (c) Ka band: 17.7 GHz – 21.2 GHz.
- Sweep method: 2% of sweep span (C/N ³ 10 dB).
 Counter method: 1×10^{-6} (C/N ³ 25 dB).
10. *Ranges of frequencies in which field strength or power flux-density measurements can be performed*
- (a) L band: 1525 MHz – 1710 MHz
 (b) Ku band: 10.7 GHz – 12.75 GHz
 (c) Ka band: 17.7 GHz – 21.2 GHz.
11. *Minimum value of measurable field strength or power flux-density with indication of attainable accuracy of measurement*
- (a) L band: $-175 \text{ dBW/m}^2 \pm 1 \text{ dB}$
 (b) Ku band: $-195 \text{ dBW/m}^2 \pm 1 \text{ dB}$
 (c) Ka band: $-175 \text{ dBW/m}^2 \pm 1 \text{ dB}$.
12. *Information available for bandwidth measurements*
- Bandwidth measurements in accordance with the methods described in Chapter 3, 3.4 of the Handbook on Spectrum Monitoring.
13. *Information available for spectrum occupancy measurements*
- Time and frequency of the signal from the satellite are graphically displayed on the spectrum monitor terminal.
14. *Information available for orbit occupancy measurements*
- Automatic orbital location measurements are carried out and the transition records of orbital locations are graphically displayed on the monitor terminal.

**List of International Signalling Point Codes (ISPC)
 (According to ITU-T Recommendation Q.708)
 (Position on 1 May 1998)**

(Annex to ITU Operational Bulletin No. 667 – 1.V.1998)

(Amendment No. 17)

Country/ geographical area ISPC	Location (town)/ Unique name	Name of operator
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Alphabetical order

P 8 ADD (between Denmark and United Arab Emirates) **El Salvador**

7-012-0	LD1, San Salvador	CTE, S.A. de C.V.
7-012-1	INT2, San Salvador	CTE, S.A. de C.V.
7-012-2	LD2, San Salvador	CTE, S.A. de C.V.
7-012-3	Opax, San Salvador	CTE, S.A. de C.V.
7-012-4	Intel, San Salvador	INTEL, S.A. de C.V.
7-012-5	Salnet, San Salvador	SALNET, S.A. de C.V.
7-012-6	Telemovil, San Salvador	Telemóvil, Salvador, S.A.
7-012-7	Americatel, San Salvador	Americatel de El Salvador

P 25 ADD (between Tunisia and Turkey) **Turkmenistan**
4-160-1 Ashgabat Turkmentelecom

Numerical order

P 5 Germany ADD

2-249-1	Frankfurt/M	Kinnevik Telecommunications International S.A.
2-249-2	Hamburg	Kinnevik Telecommunications International S.A.
2-249-3	Frankfurt/M	Teleglobe GmbH & Co
2-249-4	Hilden	Worldcom GmbH
2-249-5	Frankfurt/M	KDD Telecomet Deutschland GmbH
2-249-6	Düsseldorf	Viaphone GmbH
2-249-7	Frankfurt/M	TelePassport Service GmbH
2-250-0	Frankfurt/M	Global Network Telephone GmbH

P 6 Austria ADD

2-066-7	Salzburg	Citykom Austria
2-067-4	Wien	Facilicom
2-067-5	Linz	Citykom Austria

P 13 United States ADD

3-052-4	Los Angeles, CA	ASEAN Telecom, LLC
3-052-5	Oakland, CA	ASEAN Telecom, LLC
3-052-6	New York, NY	ASEAN Telecom, LLC
3-052-7	Staten Island, NY	Deutsche Telekom, Inc.
3-053-0	New York, NY	Deutsche Telekom, Inc.
3-053-1	New York, NY	Deutsche Telekom, Inc.

P 14 Guam ADD

5-070-2	Guam	ASEAN Telecom, LLC
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P 20 Portugal ADD

2-137-3	Lisboa (PCS/RM1)	Companhia Portuguesa Radio Marconi, S.A.
2-138-1	Lisboa-Matinha	Telecel, Comunicações Pessoais, S.A.
2-138-2	Lisboa (Loures)	Optimus-Telecomunicações, S.A.

Country/geographical area

Approving organization for ISPCs

P 29 ADD (between Denmark and United Arab Emirates) **El Salvador**

El Salvador

Eric Casamiquela
Superintendencia General de Electricidad y
Telecomunicaciones
Centro Financiero SISA, Km. 10½
Carretera a Santa Tecla
Edif. No. 4, Local 9
Nueva San Salvador
Tel: +503 288 0066
Fax: +503 288 0069/0070

P 37 ADD (between Tunisia and Turkey) Turkmenistan

Turkmenistan

Mr. Atayev Rejepmurad
Ministry of Communication
10 Seidi Str.
ASHGABAT 744000
Turkmenistan
Tel: +993 1 2510240
Fax: +993 1 2511277

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)
(Position on 15 December 1998)**

(Annex to ITU Operational Bulletin No. 682 – 15.XII.1998)

(Amendment No. 1)

Numerical order ADD

- P 3** 2-026 Austria
P 6 2-251 Germany (Federal Republic of)
P 12 7-013 El Salvador (Republic of)

Aphabetical order ADD

- P 3** 2-251 Germany (Federal Republic of)
P 6 2-026 Austria
P 12 7-013 El Salvador (Republic of)

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

**List of Data Network Identification Codes (DNIC)
(According to ITU-T Recommendation X.121)
(Position on 15 January 1998)**

(Annex to ITU Operational Bulletin No. 660 – 15.I.1998)

(Amendment No. 13)*

ADD

1	2	3
REP. TCHEQUE CZECH REP. REP. CHECA	230 2	Aliatel

* Last Amendment to this List – See new List in Annex to this Operational Bulletin.

**List of Telegram Destination Indicators
(In accordance with ITU-T Recommendation F.32)
(Position on 1 May 1997)**

(Annex to ITU Operational Bulletin No. 644 – 15.V.1997)

(Amendment No. 18)

P 34 Czech Rep. Network code = CS

COL 4 and 5 SUP*

Brno	CSBR
PRAHA-main office	CSPR
All others	CSPX

COL 4 and 5 ADD*

PRAHA and all other destinations in the Czech Republic	CSXX
All service messages	CSSV

* As from 1.I.1999.
See the circular telegram CTITU B66 of 21.XII.1998 reproduced in ITU Operational Bulletin No. 683 of 1.I.1999, pages 3/4.

**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. 7)

P 5 Austria Post-und Telekom Austria (PTA) 89 43 01 **LIR**

Country/ geographical area	Company Name/Address	Issuer Identifier Number	Contact	Effective date of usage
Austria	Telekom Austria Aktiengesellschaft Postgasse 8 A-1011 WIEN	89 43 01	Gertrud Halter Postgasse 8 A-1011 WIEN Tel: +43 1 51551 2741 Fax: +43 1 512 9538	

P 24 Greece **ADD**

Country/ geographical area	Company Name/Address	Issuer Identifier Number	Contact	Effective date of usage
Greece	COSMOTE 44, Kifissias Avenue GR-MAROUSI 15181	89 30 01	Ath. Ghitzenis 44, Kifissias Avenue GR-MAROUSI 15181 Tel: +30 1 617 7513 Fax: +30 1 617 7594	6.VI.1998

P 24 Greece ADD

Country/ geographical area	Company Name/Address	Issuer Identifier Number	Contact	Effective date of usage
Greece	Hellenic Telecommunications Organization (OTE S.A.) 99 Kifissias Avenue GR-15181 ATHENS	89 30 02	Athanasios Paivanas Commercial Development Dept. Hellenic Telecommunications Organization (OTE S.A.) 99 Kifissias Avenue GR-15181 ATHENS Tel: +30 1 611 5871 Fax: +30 1 611 1225	1.IX.1998

P 26 Hungary Westel 89 36 30 ADD

Country/ geographical area	Company Name/Address	Issuer Identifier Number	Contact	Effective date of usage
Hungary	Westel 900 Mobil Távközlési Rt. Kaposvár u. 5-7 H-1117 BUDAPEST	89 36 30	Nándor Vannai Kaposvár u. 5-7 H-BUDAPEST Tel: +36 3 265 9132 Fax: +36 3 265 9415	

P 37 Switzerland ADD

Country/ geographical area	Company Name/Address	Issuer Identifier Number	Contact	Effective date of usage
Switzerland	diAx mobile Thurgau str. 60 CH-8050 ZURICH	89 41 02	Barbara Lévy Thurgau str. 60 CH-8050 ZURICH Tel: +41 1 300 4485 Fax: +41 1 300 4160	1.XII.1998

P 37 Switzerland ADD

Country/ geographical area	Company Name/Address	Issuer Identifier Number	Contact	Effective date of usage
Switzerland	Orange Communications SA WTC Avenue Gratta-Paillez CH-1000 LAUSANNE 30 Grey	89 41 03	Luc Herminjard WTC Avenue Gratta-Paille CH-1000 LAUSANNE 30 Grey Tel: +41 21 641 5287 Fax: +41 21 641 1010	28.IV.1998

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

P 42 ADD Greece

Country	Approving Organization
Greece	The Chairman National Telecommunications Commission 60, Kifissias Avenue GR-151 25 MAROUSSI-ATHENS Greece Tel: +30 1 680 5040 Fax: +30 1 680 5049

**Dialling Procedures
(International prefix, national (trunk) prefix and
national (significant) number)
(In accordance with ITU-T Recommendation E.164)
(Position on 1 November 1998)**

(Annex to Operational Bulletin No. 679 – 1.XI.1998)

(Amendment No. 2)

Country/geographical area	Code	International Prefix	National Prefix	National (significant) number	Note
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P 3 Brazil LIR

Brazil	55	00	0	9 to 10 digits	
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P 5 Mexico LIR

Mexico	52	00	01	5 to 7 digits	
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P 8 SUP Note 7

- 7 When dialling from Mexico to countries with country code "1", the area code and the subscriber number must be prefixed by "95" instead of "98". Calls to cellular subscribers use the prefix "94" instead of "91".



INTERNATIONAL TELECOMMUNICATION UNION

**ITU-T
TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU**

**LIST OF DATA NETWORK IDENTIFICATION
CODES (DNIC)
(According to ITU-T Recommendation X.121)**

(POSITION ON 15 JANUARY 1999)

List of Data Network Identification Codes (DNIC)

Note from the TSB

1. The ITU-T Recommendation X.121 stipulates that the assignment of Data Country Codes (DCCs) is administered by the ITU. Assignment of network digits to create Data Network Identification Codes (DNICs) will be made by each Administration. The ITU/TSB is to be notified of any new assignments, re-allocations or removals of network digits by completing the notification form shown in the last page of the Annex.

2. In accordance with ITU-T Recommendation X.121, details concerning the assignment of Data Network Identification Codes (DNICs) have been individually published in the ITU Operational Bulletin and then collected in a "List of Data Network Identification Codes (DNIC)".

3. The List of this year replaces the previous one published in the Annex to the ITU Operational Bulletin No. 660 of 15 January 1998 and contains all amendments published in the ITU Operational Bulletins up to No. 684 of 15 January 1999.

4. In order to keep this List up-to-date, Administrations are requested to check the accuracy of the information published therein and to inform the TSB of any changes that should be made for its updating.

5. For any new assignment of Data Network Identification Codes (DNIC), Administrations should fill in the notification form (see last page of the Annex) and return it to the TSB, at the address indicated on the attached form.

6. For information, the List is also available on the ITU home page <http://www.itu.int/itudoc/itu-t/ob-lists>, and can be consulted by subscribers by remote access.

7. 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.

Country/Area	DNIC No.	Name of network to which a DNIC is allocated
1	2	3
ALGERIE ALGERIA ARGELIA	603 0	DZ PAC (Réseau public de données à commutation par paquet)
ALLEMAGNE GERMANY ALEMANIA	262 1 262 2 262 4 262 5 262 7 263 1 263 3 263 6 264 0 264 1 264 2 264 3 264 4 264 5 264 6 264 7 264 8 264 9 265 0 265 1 265 2 265 3 265 4 265 5 265 6 265 8	ISDN/X.25 Circuit Switched Data Service (DATEX-L) Packet Switched Data Service (DATEX-P) Satellite Services Teletex CoNetP DPS EPS DETECON SCN INFO AG NWS ALCANET IDNS INAS-net EuroDATA MEGANET SNSPac MMONET BB-DATA-NET WestLB X.25 Net PSN/FSINFOSYSBW PAKNET DB TNET ISIS_DUS RWE TELPAC DRENET
ANGOLA ANGOLA ANGOLA	631 5	ANGOPAC
ANDORRE ANDORRA ANDORRA	213 5	ANDORPAC
ANTIGUA-ET-BARBUDA ANTIGUA AND BARBUDA ANTIGUA Y BARBUDA	344 3	Antigua Packet Switched Service
ANTILLES NEERLANDAISES NETHERLANDS ANTILLES ANTILLAS NEERLANDESAS	362 0 362 1	TELEMATIC NETWORK DATANET CURACAO
ARABIE SAOUDITE SAUDI ARABIA ARABIA SAUDITA	420 1	ALWASEET - Public Packet Switched Data Network

Country/Area	DNIC No.	Name of network to which a DNIC is allocated
1	2	3
ARGENTINE <i>ARGENTINA</i> ARGENTINA	722 1 722 2 722 3	Nodo Internacional de Datos - TELINTAR ARPAC (ENTEL) EASYGATE (ATT)
ARMENIE <i>ARMENIA</i> ARMENIA	283 0	ArmPac
AUSTRALIE <i>AUSTRALIA</i> AUSTRALIA	505 2 505 3 505 4 505 7	AUSTPAC Packet Switching Network OTC Data Access AAP Telecommunications Australian Private Networks
AUTRICHE <i>AUSTRIA</i> AUSTRIA	232 2 232 9	Dataswitch (DATAKOM) Radausdata (DATAKOM)
AZERBAIDJAN <i>AZERBAIJAN</i> AZERBAIYAN	400 1 400 2	AZPAK (Azerbaijan Public Packet Switched Data Network) "AzEuroTel" Joint Venture
BAHREIN <i>BAHRAIN</i> BAHREIN	426 0 426 2 426 3	Batelco GSM Service Bahrain Managed Data Network (MADAN) Batelco Packet Switched Node
BARBADE <i>BARBADOS</i> BARBADOS	342 2 342 3	CARIBNET International Data Base Access Service (IDAS)
BELARUS <i>BELARUS</i> BELARUS	257 0	BELPAK
BELGIQUE <i>BELGIUM</i> BELGICA	206 2 206 4 206 5 206 6 206 8 206 9	Réseau de transmission de données à commutation par paquets (DCS) CODENET (le code est utilisé au niveau national pour le réseau DCS) Unisource Belgium X.25 Service Accès au réseau DCS via le réseau télex commuté national Accès au réseau DCS via le réseau téléphonique commuté national

Country/Area	DNIC No.	Name of network to which a DNIC is allocated
1	2	3
BERMUDES <i>BERMUDA</i> BERMUDAS	350 2 350 3	Cable and Wireless Data Communications Node Cable and Wireless Packet Switched Node
BOSNIE-HERZEGOVINE <i>BOSNIA AND HERZEGOVINA</i> BOSNIA Y HERZEGOVINA	218 0	BIHPAK
BRESIL <i>BRAZIL</i> BRASIL	724 0 724 1 724 2 724 3 724 4 724 5 724 6 724 7 725 1 725 2 725 3 725 4 725 5 725 6 725 7 725 8 725 9	International Packet Switching Data Communication Service (INTERDATA) National Packet Switching Data Communication Service (RENPAK) RIO PAC MINASPAC TRANSPAC Fac Simile Service (DATA FAX) BRAZILIAN PRIVATE NETWORKS DATASAT BI S.PPAC TELEST PUBLIC PACKET DATA NETWORK TELEMIG Public Switched Packet Data Network PACPAR CRT/CTMR Western and Midwestern Public Switched Packet Data Network TELEBAHIA and TELERGIPE Public Switched Packet Data Network Northeastern Public Switched Packet Data Network Northern Public Switched Packet Data Network
BURKINA FASO <i>BURKINA FASO</i> BURKINA FASO	613 2	FASOPAC
CAMEROUN <i>CAMEROON</i> CAMERUN	624 2	CAMPAC
CANADA <i>CANADA</i> CANADA	302 0 302 1 302 2 302 3 302 4 302 5 302 6 302 8 303 6 303 7 303 8 303 9	Telecom Canada Datapak Network Telecom Canada PSTN Access Stentor Private Packet Switched Data Network Gateway Stentor ISDN Identification Teleglobe Canada - Globedat-C Circuit Switched Data Transmission Teleglobe Canada - Globedat-P Packed Switched Data Transmission AT&T Canada Long Distance Services – FasPac AT&T Canada Long Distance Services – Packet Switched Public Data Network (PSPDN) Sprint Canada Frame Relay Service - Packet-Switched Network TMI Communications, Limited Partnership — Mobile Data Service (MDS) X.25 public switched data network Canada Post — POSTpac — X.25 Packet Switched Data Network Telesat Canada — Anikom 200

Country/Area	DNIC No.	Name of network to which a DNIC is allocated
1	2	3
CAYMAN (ILES) CAYMAN ISLANDS CAIMANES (ISLAS)	346 3	Cable and Wireless Packet Switching Node
CHILI CHILE CHILE	730 2	Red nacional de transmisión de datos
CHINE CHINA CHINA	460 0 460 1 460 2 460 3 460 4 460 5 460 6 460 7 460 8 460 9	reserved for international service Teletex and low speed data network CHINAPAC 1 (Public Packet Switched Data Network) CHINAPAC reserved for public mobile data service Public data network Dedicated network Dedicated network Dedicated network Public data network
CHYPRE CYPRUS CHIPRE	280 2 280 8 280 9	CYTAPAC - PSDN, subscribers with direct access CYTAPAC - PSDN, subscribers with access via telex CYTAPAC - PSDN, subscribers with access via PSTN - X.28, X.32
COLOMBIE COLOMBIA COLOMBIA	732 2 732 1	COLDAPAQ RED DE ALTA VELOCIDAD
COREE (REP. DE) KOREA (REP. OF) COREA (REP. DE)	450 0 450 1 450 2	HiNET-P (KOREA TELECOM) DACOM-NET CSDN (attribué seulement au télételex/only assigned to Teletex/ atribuido solamente al teletex)
COSTA RICA COSTA RICA COSTA RICA	712 0 712 2 712 8 712 9	RACSADATOS RACSAPAC - Abonados conectados directamente a la red RACSAPAC - Interfuncionamiento con redes télex RACSAPAC - Interfuncionamiento con red telefónica
COTE D'IVOIRE COTE D'IVOIRE COTE D'IVOIRE	612 2	SYTRANPAC
CROATIE CROATIA CROACIA	219 1	CROAPAK (Croatian Packet Switching Data Network)

Country/Area	DNIC No.	Name of network to which a DNIC is allocated
1	2	3
CUBA <i>CUBA</i> CUBA	368 0	Servicios de información por conmutación de paquetes del IDICT
DANEMARK <i>DENMARK</i> DINAMARCA	238 0 238 1 238 2 238 3 238 4 238 5	Tele Danmark A/S DATEX (Circuit Switched Network) DATAPAK (Packet Switched Network) DATAPAK (Packet Switched Network) Transpac SONOFON GSM
DOMINICAINE (REP.) <i>DOMINICAN REP.</i> DOMINICANA (REP.)	370 6	All America Cables and Radio Inc.
EGYPTE <i>EGYPT</i> EGIPTO	602 6	EGYPTNET
EMIRATS ARABES UNIS <i>UNITED ARAB EMIRATES</i> EMIRATOS ARABES UNIDOS	424 1 424 3	EMDAN Teletex Network EMDAN X.25 and X.28 Terminals
ESPAGNE <i>SPAIN</i> ESPANA	214 0 214 1 214 2 214 5 214 7 214 9	Administración Pública Nodo internacional de datos RETEVISIÓN Red IBERPAC France Telecom Redes y Servicios MegaRed
ESTONIE <i>ESTONIA</i> ESTONIA	248 0	ESTPAK
ETATS-UNIS <i>UNITED STATES</i> ESTADOS UNIDOS	310 1 310 2 310 3 310 4 310 5 310 6 310 7 310 8 310 9 311 0 311 1	PTN-1 Western Union Packet Switching Network MCI Public Data Network (ResponseNet) ITT UDTS Network MCI Public Data Network (International Gateway) WUI Leased Channel Network MCI Public Data Network (XStream) ITT Datel Network ITT Short Term Voice/Data Transmission Network RCAG DATEL II Telenet Communications Corporation RCAG DATEL I (Switched Alternate Voice-Data Service)

(suite - continued - continúa)

Country/Area	DNIC No.	Name of network to which a DNIC is allocated
1	2	3

(suite - continued - continuación) ETATS-UNIS UNITED STATES ESTADOS UNIDOS	311 2	Western Union Teletex Service
	311 3	RCAG Remote Global Computer Access Service (Low Speed)
	311 4	Western Union Infomaster
	311 5	Graphnet Interactive Network
	311 6	Graphnet Store and Forward Network
	311 7	WUI Telex Network
	311 8	Graphnet Data Network
	311 9	TRT Packet Switching Network (IPSS)
	312 0	ITT Low Speed Network
	312 1	FTCC Circuit Switched Network
	312 2	FTCC Telex
	312 3	FTCC Domestic Packet Switched Transmission (PST) Service
	312 4	FTCC International PST Service
	312 5	UNINET
	312 6	ADP Autonet
	312 7	GTE Telenet Communications Corporation
	312 8	TRT Mail/Telex Network
	312 9	TRT Circuit Switch Data (ICSS)
	313 0	TRT Digital Data Network
	313 1	RCAG Telex Network
	313 2	Compuserve Network Services
	313 3	RCAG XNET Service
	313 4	AT+T/ACCUNET Packet Switched Capability
	313 5	ALASCOM/ALASKANET Service
	313 6	Geisco Data Network
	313 7	International Information Network Services - INFONET Service
	313 8	Fedex International Transmission Corporation - International Document Transmission Service
	313 9	KDD America, Inc. - Public Data Network
	314 0	Southern New England Telephone Company - Public Packet Network
	314 1	Bell Atlantic Telephone Companies - Advance Service
	314 2	Bellsouth Corporation - Pulselink Service
	314 3	Ameritech Operating Companies - Public Packet Data Networks
	314 4	Nynex Telephone Companies - Nynex Infopath Service
	314 5	Pacific Telesis Public Packet Switching Service
	314 6	Southwestern Bell Telephone Co. - Microlink II Public Packet Switching Service
	314 7	U.S. West, Inc. - Public Packet Switching Service
	314 8	United States Telephone Association - to be shared by local exchange telephone companies
	314 9	Cable & Wireless Communications, Inc. - Public Data Network
	315 0	Globenet, Inc. - Globenet Network Packet Switching Service
	315 1	Data America Corporation - Data America Network
	315 2	GTE Hawaiian Telephone Company, Inc. - Public Data Network
	315 3	JAIS USA-NET Public Packet Switching Service
	315 4	Nomura Computer Systems America, Inc. - NCC-A VAN public packet switching service
	315 5	Aeronautical Radio, Inc. - GLOBALINK
	315 6	American Airlines, Inc. - AANET
	315 7	COMSAT Mobile Communications - C-LINK
	315 8	Schlumberger Information Network (SINET)
	315 9	Westinghouse Communications - Westinghouse Packet Network
316 0	Network Users Group, Ltd. - WDI NET packet	
316 1	United States Department of State, Diplomatic Telecommunications Service Black Packet Switched Data Network	
316 2	Transaction Network Services, Inc. -- TNS Public Packet-switched Network	
316 6	U.S. Department of Treasury Wide Area Data Network	

Country/Area	DNIC No.	Name of network to which a DNIC is allocated
1	2	3
FEROE (ILES) <i>FAROE ISLANDS</i> FEROE (ISLAS)	288 1	FAROEPAC
FIDJI <i>FIJI</i> FIJI	542 0 542 1	FIJPAK FIJINET
FINLANDE <i>FINLAND</i> FINLANDIA	244 1 244 2 244 3 244 4	DATEX (Circuit Switched Data Network CSDN) of Telecom Finland DATAPAK (Packet Switched Data Network PSDN) of Telecom Finland Finpak (Packet Switched Data Network PSDN) of Helsinki Telephone Company Ltd. Telivo Ltd.
FRANCE <i>FRANCE</i> FRANCIA	208 0 208 1 208 2 208 3 208 4 208 5 208 6 208 9	Réseau de transmission de données à commutation par paquets TRANSPAC Noeud de transit international Grands services publics Administrations Air France SIRIS BT France Interconnexion entre le réseau public de transmission de données Transpac et d'autres réseaux publics français, pour des services offerts en mode synchrone
GABON <i>GABON</i> GABON	628 0	GABONPAC (Réseau de transmission de données à commutation par paquets)
GAMBIE <i>GAMBIA</i> GAMBIA	607 0	GAMNET
GEORGIE <i>GEORGIA</i> GEORGIA	282 1	IBERIAPAC
GHANA <i>GHANA</i> GHANA	620 2	DATATEL
GRECE <i>GREECE</i> GRECIA	202 3	Packet Switched Public Data Network (HELLASPAC)

Country/Area	DNIC No.	Name of network to which a DNIC is allocated
1	2	3

GRENADE <i>GRENADA</i> GRANADA	352 2	CARIBNET
GROENLAND <i>GREENLAND</i> GROENLANDIA	290 1	DATAPAK (Packet Switched Network)
GUAM <i>GUAM</i> GUAM	535 1	The Pacific Connection, Inc. - Pacnet Public Packet Switching Service
GUYANA <i>GUYANA</i> GUYANA	738 0	GT&T PAC
HONDURAS <i>HONDURAS</i> HONDURAS	708 0	HONDUPAQ
HONGKONG <i>HONGKONG</i> HONGKONG	454 0 454 1 454 2 454 3 454 5 454 6 454 7 454 8	Public Switched Document Transfer Service Hutchison Communications Limited INTELPAK New T & T Hong Kong Limited DATAPAK AT&T EasyLink Services, Asia/Pacific Limited (AT&T EasyLink services) New World Telephone Limited KDD Hong Kong Ltd. (Public Value-Added Facsimile Service)
HONGRIE <i>HUNGARY</i> HUNGRIA	216 0 216 1 216 4 216 5 216 6	Circuit Switched Data Service Packet Switched Data Service GTSNet Packet Switched Private Data Networks (DNIC shared by a number of private networks) Packet Switched Public Data Networks (DNIC shared by a number of public networks)
INDE <i>INDIA</i> INDIA	404 1 404 2 404 3	RABMN International Gateway Packet Switching System (GPSS) INET (Packet Switched Public Data Network)
INDONESIE <i>INDONESIA</i> INDONESIA	510 1	SKDP Packet Switched Service (Sambungan Komunikasi Data Paket)

Country/Area	DNIC No.	Name of network to which a DNIC is allocated
1	2	3
INMARSAT	111 1 111 2 111 3 111 4	Atlantic Ocean-East Pacific Ocean Indian Ocean Atlantic Ocean-West
IRAN (REPUBLIQUE ISLAMIQUE D') <i>IRAN (ISLAMIC REPUBLIC OF)</i> IRAN (REPUBLICA ISLAMICA DEL)	432 1	IranPac
IRLANDE <i>IRELAND</i> IRLANDA	272 1 272 3 272 4 272 8	International Packet Switched Service EURONET EIRPAC (Packet Switched Data Networks) PostNET (PostGEM Packet Switched Data Network)
ISLANDE <i>ICELAND</i> ISLANDIA	274 0	ISPAK/ICEPAC
ISRAEL <i>ISRAEL</i> ISRAEL	425 1	ISRANET
ITALIE <i>ITALY</i> ITALIA	222 1 222 2 222 3 222 6 222 7 223 3 223 4 223 5	Rete Telex-Dati (Amministrazione P.T. / national) ITAPAC X.25 PAN (Packet Network) ITAPAC - X.32 PSTN, X.28, D channel ITAPAC International ALBADATA X.25 Trasmissione dati a commutazione di pacchetto X.25 (UNISOURCE ITALIA S.p.A.) Trasmissione dati a commutazione di pacchetto X.25 (INFOSTRADA S.p.A.)
JAPON <i>JAPAN</i> JAPON	440 0 440 1 440 2 440 3 440 4 440 5 440 6 440 7 440 8 441 0 441 2 441 3 441 4 441 5 441 6 441 7 441 8 441 9	GLOBALNET (Network of the Global VAN Japan Incorporation) DDX Packet Network (NTT) NEC-NET (NEC Corporation) JENSNET (Network of the AT&T Jens Corporation) JAIS-NET (Japan Research Institute Ltd.) NCC-VAN (NRI & NCC Co., Ltd.) TYMNET-JAPAN (Network Information Service Co., Ltd.) International High Speed Switched Data Transmission Network (KDD) International Packet Switched Data Transmission Network (KDD) NiciNet (NI + C International Corporation) Sprintnet (Sprintnet Japan Inc.) KYODO NET (UNITED NET Corp) Vitel network (VITEL JAPAN LTD.) FENICS (FUJITSU LIMITED) HINET (HITACHI Information Network, Ltd.) TIS-Net (TOYO Information Systems Co., Ltd.) TG-VAN (TOSHIBA Corporation) FAXMAIL (FastNet, Inc.)

(suite - continued - continúa)

Country/Area	DNIC No.	Name of network to which a DNIC is allocated
1	2	3

(suite - continued - continuación)		
JAPON JAPAN JAPON	442 0 442 1 442 2 442 3 442 4 442 5 442 6 442 7	Pana-Net (MATSUSHITA ELECTRIC INDUSTRIAL CO. LTD.) MIND (MITSUBISHI-ELECTRIC INFORMATION NETWORK CORPORATION) CTC-P (CHUBU TELECOMMUNICATIONS CO., INC.) KICNET (INES Corporation) SITA NETWORK GLOBAL MANAGED DATA SERVICE (CABLE & WIRELESS JAPAN COMMUNICATION SERVICE LIMITED) ECHO-NET (HITACH INFORMATION SYSTEMS LTD.) U-net (NIHON UNYSYS INFORMATION SYSTEMS LTD.)
KAZAKSTAN KAZAKSTAN KAZAKSTAN	401 0 401 1	KazNet X.25 BankNet X.25
LETTONIE LATVIA LETONIA	247 1	Latvia Public Packed Switched Data Network
L'EX-REPUBLIQUE YUGOSLAVE DE MACEDOINE THE FORMER YUGOSLAV REPUBLIC OF MACEDONIA LA EX REPUBLICA YUGOSLAVA DE MACEDONIA	294 0	MAKPAK
LIBAN LEBANON LIBANO	415 5	Réseau public de transmission de données par paquets
LITUANIE LITHUANIA LITUANIA	246 2 246 3	Vilnius DATAPAK LITCOM
LUXEMBOURG LUXEMBOURG LUXEMBURGO	270 3 270 4 270 5 270 9	RAPNET (Regional ATS Packet Switched Network) LUXPAC (réseau de transmission de données à commutation par paquets) LUXNET (interconnection entre le réseau public de transmission de données et d'autres réseaux publics luxembourgeois) LUXPAC (accès X.28 et X.32 au réseau téléphonique commuté)
MACAU MACAU MACAU	455 0	MACAUPAC

Country/Area	DNIC No.	Name of network to which a DNIC is allocated
1	2	3
MADAGASCAR MADAGASCAR MADAGASCAR	646 0	INFOPAC
MALAISIE MALAYSIA MALASIA	502 1 502 2 502 3 502 4 502 6 502 7 502 8	Malaysian Public Packet Switched Public Data Network (MAYPAC) Malaysian Circuit Switched Public Data Network Corporate Information Networks ACASIA-ASEAN Managed Overlay Network Mutiarra Frame Relay Network Mobile Public Data Network (WAVENET) Global Management Data Services (GMDS)
MALDIVES MALDIVES MALDIVAS	472 0	DATANET (Maldives Packet Switching Service)
MALTE MALTA MALTA	278 2	MALTAPAC (Packet Switching Service)
MAROC MOROCCO MARRUECOS	604 1 604 2 604 9	MAGHRIPAC MAGHRIPAC X.32 MAGHRIPAC RTC PAD
MEXIQUE MEXICO MEXICO	334 0 334 1 334 2 334 3 334 4 334 5 334 6 334 7 334 8 334 9 335 0 335 1	TELEPAC UNITET IUSANET TEI OPTEL TELNORPAC TYMPAQ SINFRARED INTERVAN INTELCOMNET AVANTEL, S.A. ALESTRA, S. DE R.L. DE C.V.
MICRONESIE MICRONESIA MICRONESIA	550 1	FSMTC Packet Switched Network
MOZAMBIQUE MOZAMBIQUE MOZAMBIQUE	643 5	COMPAC (Packet Switching Public Data Network)

Country/Area	DNIC No.	Name of network to which a DNIC is allocated
1	2	3

NAMIBIA <i>NAMIBIA</i> NAMIBIA	649 0	SWANET (Public Packet Switched Network)
NÉPAL <i>NEPAL</i> NEPAL	429 0	NEPPAK (Nepal Packet Switched Public Data Network)
NICARAGUA <i>NICARAGUA</i> NICARAGUA	710 0	NicaPac
NORVEGE <i>NORWAY</i> NORUEGA	242 1 242 2 242 9 243 1	DATEX (Circuit Switched Network, CSDN) DATAPAK (Packet Switched Network, PSDN) Shared by private data networks, for PNIC allocation FD#PAK
NOUVELLE-CALEDONIE <i>NEW CALEDONIA</i> NUEVA CALEDONIA	546 0	Transpac - Nouvelle Calédonie et opérateur public local
NOUVELLE-ZELANDE <i>NEW ZEALAND</i> NUEVA ZELANDIA	530 1	PACNET Packet Switching Network
PAKISTAN <i>PAKISTAN</i> PAKISTAN	410 1	TRANSLINK
PANAMA <i>PANAMA</i> PANAMA	714 1 714 4	Red de transmisión de datos con conmutación de paquetes (INTELPAQ) CWP DATA NETWORK
PARAGUAY <i>PARAGUAY</i> PARAGUAY	744 0 744 7 744 8	PARABAN ANTELPAC PARAPAQ

Country/Area	DNIC No.	Name of network to which a DNIC is allocated
1	2	3
PAYS-BAS NETHERLANDS PAISES BAJOS	204 0 204 1 204 3 204 4 204 6 204 9 205 1 205 3 205 5 205 7	Datanet 1 international Datanet 1 X.25 access Europeanet Unisource / Unidata Unisource / VPNS Datanet 1 / X.28, X.32 access RAM Mobile Data (Netherlands) BV France Telecom Network Services Nederland BV Rabofacet BV Trionet v.o.f.
PEROU PERU PERU	716 0 716 1	MEGANET (PERUNET) MEGANET
PHILIPPINES PHILIPPINES FILIPINAS	515 1 515 2 515 4 515 6 515 7	CWI DATANET - Capitol Wireless, Inc. (CAPWIRE) Philippine Global Communications, Inc. (PHILCOM) Globe-Mackay Cable and Radio Corp. (GMCR) Eastern Telecommunications Philippines, Inc. (ETPI) DATAPAC
POLOGNE POLAND POLONIA	260 1 260 2 260 3 260 4 260 5 260 6 260 7	POLPAK NASK TELBANK POLPAK -T PKONET Shared by a number of data networks CUPAK
POLYNESIE FRANCAISE FRENCH POLYNESIA POLINESIA FRANCESA	547 0	Transpac - Polynésie et opérateur public local
PORTUGAL PORTUGAL PORTUGAL	268 0 268 1 268 2 268 3 268 4 268 5 268 6	TELEPAC COMNEXO, Redes de Comunicações, S.A. CPRM-Marconi Eastécnica, Electrónica e Técnica, S.A. SIBS, Sociedade Interbancária de Serviços, S.A. France Telecom Redes e Serviços de Portugal, S.A. HLC, Telecomunicações & Multimédia, S.A.
QATAR QATAR QATAR	427 1	DOHPAK
REP. TCHEQUE CZECH REP. REP. CHECA	230 1 230 2	NEXTEL Aliatel

Country/Area	DNIC No.	Name of network to which a DNIC is allocated
1	2	3

ROUMANIE ROMANIA RUMANIA	226 0	ROMPAC
ROYAUME-UNI UNITED KINGDOM REINO UNIDO	234 0 234 1 234 2 234 3 234 4 234 7 234 8 234 9 235 0 235 1 235 2 235 3 235 4 235 5 235 7 235 8 235 9 236 0 237 0 237 8	BT International Packet Switching Service (IPSS) Packet Switched Service (PSS) BT Concert Packet Network BT Concert Packet Network BT BT Barclays Technology Services C&W X.25 Service, International Packet Gateway C & W X.25 Service Kingston Communications (Hull) PLC. Vodafone, Packet Network Service Nomura Computer Systems Europe Ltd. (NCC-E) JAIS Europe Ltd. FEDEX UK Reuters BT AT&T ISTEEL GlobalOne (France Telecom) Racal Telecom
RUSSIE RUSSIA RUSIA	250 0 250 1 250 2 250 3 250 4 250 6 250 7 250 8 250 9 251 0 251 1 251 2 251 3 251 4 251 5	ROSPACK SPRINT Networks IASNET MMTEL INFOTEL ROSNET ISTOK-K TRANSINFORM LENFINCOM SOVAMNET EDITRANS TECOS PTTNET BCLNET SPTNET
SAINT-MARIN SAN MARINO SAN MARINO	292 2	X-Net SMR
SALOMON SOLOMON SALOMON	540 0	DATANET

Country/Area	DNIC No.	Name of network to which a DNIC is allocated
1	2	3
SENEGAL <i>SENEGAL</i> SENEGAL	608 1	SENPAC
SINGAPOUR <i>SINGAPORE</i> SINGAPUR	525 2 525 7	TELEPAC (Public Packet Switching Data Network) ISDN packet switching service
SLOVAQUIE <i>SLOVAKIA</i> ESLOVAQUIA	231 1	EuroTel
SLOVÉNIE <i>SLOVENIA</i> ESLOVENIA	293 1 293 2	SIPAX.25 SIPAX.25 access through ISDN
SRI LANKA <i>SRI LANKA</i> SRI LANKA	413 3	M/S Electroteks Private Ltd.
SUDAFRICAINE (REP.) <i>SOUTH AFRICA</i> SUDAFRICANA (REP.)	655 0	Saponet – P
SUEDE <i>SWEDEN</i> SUECIA	240 1 240 3 240 6 240 7 240 8	Datex (Public Circuit Switched Data Network) Datapak (Public Packet Switched Data Network) Flex25 (Public Packet Switched Data Network) Private X.25 Networks (DNIC shared by a number of private networks) TRANSPAC Scandinavia AB
SUISSE <i>SWITZERLAND</i> SUIZA	228 0 228 2 228 4 228 5 228 6	SwissNetPac TRANSPAC-CH Unidata Telepac Unidata Télépac (accès de réseaux privés) DataRail
TCHAD <i>CHAD</i> CHAD	622 2	TCHADPAC

Country/Area	DNIC No.	Name of network to which a DNIC is allocated
1	2	3
THAILANDE <i>THAILAND</i> TAILANDIA	520 1 520 2 520 3 520 9	THAIPAK 1 - Public Packet Switched Data Network THAIPAK 2 - Value Added Public Packet Switched Data Network CAT Store and Forward Fax Network TOT ISDN
TONGA <i>TONGA</i> TONGA	539 0	TONGAPAK
TRINITE-ET-TOBAGO <i>TRINIDAD AND TOBAGO</i> TRINIDAD Y TABAGO	374 0 374 5	TEXDAT DATANETT
TURQUES ET CAIQUES (ILES) <i>TURKS AND CAICOS ISLANDS</i> TURQUESAS Y CAICOS (ISLAS)	376 3	Cable and Wireless Packet Switched Node
TURQUIE <i>TURKEY</i> TURQUIA	286 0 286 1 286 3 286 4	TELETEX DATEX-L Turkish Packet Switched Data Network (TURPAK) TURPAK
UKRAINE <i>UKRAINE</i> UCRANIA	255 0 255 1	UkrPack bkcNET
URUGUAY <i>URUGUAY</i> URUGUAY	748 2 748 8 748 9	URUPAC - Servicio público de transmisión de datos con conmutación de paquetes URUPAC - Interfuncionamiento con la red télex URUPAC - Interfuncionamiento con la red telefónica
VANUATU <i>VANUATU</i> VANUATU	541 0	VIAPAC (Vanuatu International Access for Packets)
VATICAN <i>VATICAN</i> VATICANO	225 0	Packet Switching Data Network (PSDN) of Vatican City State
YUGOSLAVIE <i>YUGOSLAVIA</i> YUGOSLAVIA	220 1	YUPAC (Yugoslav Packet Switched Public Data Network)

Country/Area	DNIC No.	Name of network to which a DNIC is allocated
1	2	3
ZAMBIE ZAMBIA ZAMBIA	645 1	ZAMPAK
ZIMBABWE ZIMBABWE ZIMBABWE	648 4	ZIMNET

AMENDMENTS

Amendment No.	Operational Bulletin No.	Country
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This Notification form should be returned to:

**International Telecommunication Union
Telecommunication Standardization Bureau (TSB)
Place des Nations
CH - 1211 Genève 20
Suisse**

Telefax: +41 22 730 5853

Our ref: TSB/ART

Notification for the assignment of Data Network Identification Codes (DNIC) by the Administrations*	
<i>Name and address of Administration :</i>	
DNIC No.:	
<i>Name of network to which a DNIC is allocated :</i>	
<i>Locality of the Network (Country or Geographical Area) :</i>	
Date of application :	
<i>Postal address of the service provider and from which additional information may be requested :</i>	_____ _____ Tf: _____ Tlx: _____ Fax: _____
Your reference :	
Date :	
Signature :	

* Further details, if any, concerning the network for which this DNIC has been assigned may be attached to this form.