



ITU Operational Bulletin



No. 775 – 1.XI.2002

(Information received by 25 October 2002)

Published by the International Telecommunication Union (ITU)
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Dates of publication of the next Operational Bulletins

No. 776 15.XI.2002
No. 777 1.XII.2002
No. 778 15.XII.2002

Including information received by:

8.XI.2002
25.XI.2002
9.XII.2002

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GENERAL INFORMATION

Lists annexed to Operational Bulletin

Note from the TSB

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

OB No.

- 665 Various tones used in national networks (Supplement 2 to ITU-T Recommendation E.180) (Position on 1 April 1998)
- 669 Five-letter Code Groups for the use of the International Public Telegram Service (According to ITU-T Recommendation F.1 (03/98))
- 691 Service Restrictions (Recapitulatory list of service restrictions in force relating to telecommunications operation) (Position on 1 May 1999)
- 693 List of Telex Destination Codes (TDC) and Telex Network Identification Codes (TNIC) (Complement to ITU-T Recommendations F.69 and F.68) (Position on 31 May 1999)
- 720 List of Data Country or Geographical Area Codes (Complement to ITU-T Recommendation X.121) (Position on 15 July 2000)
- 725 List of Names of Administration Management Domains (ADMD) (In accordance with ITU-T F.400 and X.400 series Recommendations) (Position on 30 September 2000)
- 741 List of Mobile Country or Geographical Area Codes (Complement to ITU-T Recommendation E.212 (11/98)) (Position on 1 June 2001)
- 746 List of Data Network Identification Codes (DNIC) (According to ITU-T Recommendation X.121 (10/00)) (Position on 15 August 2001)
- 757 List of Issuer Identifier Numbers for the International Telecommunication Charge Card (in accordance with ITU-T Recommendation E.118) (Position on 1 February 2002)
- 759 Dialling Procedures (International prefix, national (trunk) prefix and national (significant) number) (In accordance with ITU-T Recommendation E.164 (05/97)) (Position on 1 March 2002)
- 761 List of International Signalling Point Codes (ISPC) (According to ITU-T Recommendation Q.708 (03/99)) (Position on 1 April 2002)
- 763 List of ITU-T Recommendation E.164 assigned country codes (Complement to ITU-T Recommendation E.164 (05/1997)) (Position on 1 May 2002)
- 764 List of Telegram Destination Indicators (In accordance with ITU-T Recommendation F.32) (Position on 15 May 2002)
- 765 Access codes/numbers for mobile networks (According to ITU-T Recommendation E.164) (Position on 1 June 2002)
- 766 List of Country or Geographical Area Codes for non-standard facilities in telematic services (Complement to ITU-T Recommendation T.35) (Position on 15 June 2002)
- 767 Status of Radiocommunications between Amateur Stations of different Countries (In accordance with optional provision No. 25.1 of the Radio Regulations) and Form of Call Signs assigned by each Administration to its Amateur and Experimental Stations (Position on 1 July 2002)
- 767 List of Signalling Area/Network Codes (SANC) (Complement to ITU-T Recommendation Q.708 (03/99)) (Position on 1 July 2002)

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

- List of ITU Carriers Codes
(ITU-T Rec. M.1400 (02/2000)) <http://www.itu.int/ITU-T/inr/icc/index.html>
- Bureaufax Table (ITU-T Rec. F.170) <http://www.itu.int/ITU-T/inr/bureaufax/index.html>

Approval of new ITU-T Recommendation E. 129*

Presentation of National Numbering Plans

Note from the TSB

Study Group 2 has released a new ITU-T Recommendation E.129 entitled "Presentation of National Numbering Plans".

This Recommendation has been written to assist and make available timely access to E.164 numbering plan information. This includes, but is not limited to, how to obtain information on national numbering plans, how they should be described, and the timely posting of numbering plan changes in a standardized presentation that is consistent with ITU-T Recommendation E.164.

While the basic objective of this Recommendation is to represent geographic country code information, it may also be used to communicate numbering information for network code applications and for country codes assigned to Groups of Countries (GoC).

As specified in ITU-T Recommendation E.129, the ITU-T website will provide free, accurate and timely access to the most current international numbering information. The section of the ITU-T home page entitled "*International Numbering Resources*" (URL: <http://www.itu.int/itu-t/inr/nnp/index.html>) is the focal point for obtaining this accurate and timely numbering information for all world countries.

In addition, the TSB will e-mail via an exploder list the latest numbering change information that they receive to all parties who register to receive numbering plan updates as they are available. Details of how to subscribe to receive and submit numbering information are available on the ITU-T website referenced above.

Administrations should consider providing information on national numbering plans in accordance with ITU-T Recommendation E.129.

All members are encouraged to access this timely information on national numbering plans that influences the routing, charging and accounting of international telecommunications traffic.

* See also TSB Circular 128 of 7 October 2002.

Predetermined groups of ship stations

In accordance with Nos. **19.92** and **19.95** of the Radio Regulations, the selective call number for selective calling of predetermined groups of ship stations 63636 has been allocated to the Eastern Republic of Uruguay.

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

Note from the TSB

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

<i>Country/geographical area or signalling network</i>	<i>SANC</i>
India (Republic of)	4-005
Singapore (Republic of)	5-047

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

Legal time changes

Australia

Date and hour of change	Country or area	+ = Advanced by -- minutes - = Retarded by -- minutes	Legal time will be
26.X.2002 1600 UTC - 29.III.2003 1600 UTC » » 5.X.2002 1600 UTC - 29.III.2003 1600 UTC 26.X.2002 1630 UTC - 29.III.2003 1630 UTC	Australie / Australia - Australian Capital Territory - New South Wales - Victoria - Tasmania - South Australia	+60 +60 +60 +60 +60	UTC +11 UTC +11 UTC +11 UTC +11 UTC +10½
	inchangé/ <i>no change</i> /sin cambio: - Northern Territory - Queensland - Western Australia	- - -	UTC +9½ UTC +10 UTC +8

Brazil

Communication of 18.X.2002:

Summer time in Brazil for the period 2002-2003

Empresa Brasileira de Telecomunicações S.A. (EMBRATEL), Rio de Janeiro, announces that, for the period 2002-2003, summer time in Brazil is to be implemented from 3 November 2002 to 16 February 2003, at 1200 hours (Brazil time).

Clocks are to be put forward one hour in relation to legal time in the following Brazilian states:

Rio Grande do Sul	Rio de Janeiro	Mato Grosso
Santa Catarina	Espírito Santo	Mato Grosso do Sul
Paraná	Goíás	Tocantins
São Paulo	Minas Gerais	Bahia and Distrito Federal

The time in the other states (Acre, Amazonas, Pará, Rondônia, Roraima, Amapá, Piauí, Maranhão, Ceará, Rio Grande do Norte, Paraíba, Pernambuco, Sergipe and Alagoas) remains unchanged.

Legal time (*standard time*) corresponds to: UTC -3
Summer time corresponds to: UTC -2.

Saint Pierre and Miquelon

Communication of 10.X.2002:

France Telecom, Paris, announces that winter time in Saint Pierre and Miquelon will occur on 27 October 2002, at 0400 hours UTC and thereby will correspond to UTC -3.

Telex service

Andorra

Communication of 18.X.2002:

Cessation of telex service

Servei de Telecomunicacions d'Andorra (STA), Andorra la Vella, announces that, since 31 December 2000, it no longer provides the telex service (international and national) to and from Andorra.

The telex destination code (TDC) "590" allocated to Andorra (ITU-T Recommendation F.69), including the telex network identification code (TNIC) «AD» (ITU-T Recommendation F.68) (also used as telegram destination indicator), remain nevertheless reserved for Andorra.

For further information, please contact:

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Italy

Communication of 23.X.2002:

The *Ministero delle Comunicazioni*, Roma, announces that, following the termination of telex service in Italy, *Poste Italiane S.p.A.* introduced the new telex service. Italian telex subscribers can be reached by international telex subscribers.

- In "Store and Forward" (S&F) mode
 - *Two stage operation*

Call Telex Store and Forward Unit (SFU) number 043 540 540 and proceed according to ITU-T Recommendations U.80 and U.81, as already advised in ITU Operational Bulletin No. 743 of 1.VII.2001, page 11.

- *One stage operation*

Call directly Italian subscriber number (for instance, calling 043 600 135, answerback in format 600135=DECRMI will be received where "=" sign, according to ITU-T Recommendation U.74, means that the connection is handled by a Store and Forward System).

- In "Real Time" (R.T.) mode

For a limited number of telex customers, it is possible to call directly the Italian subscriber and connect to called terminal, using an interactive 50 baud connection.

The directory of Italian telex service subscribers (S&F and R.T.) is available on *Poste Italiane S.p.A.* internet site: www.poste.it, at telex product page, section "Telex Unload Procedures".

For any questions concerning the telex service, please contact:

Commercial matters:

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Fax: +39 06 3689 6414
E-mail: mario.moneta@telecomitalia.it

Technical matters:

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Poste Italiane S.p.A.
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New Caledonia

Communication of 30.X.2002:

Cessation of telex service

The *Office des Postes et Télécommunications (OPT)*, Noumea, announces that as effective from 1st January 2003, at 1100 hours UTC, it will no longer provide the telex service (international and national) to and from New Caledonia.

The telex destination code (TDC) "706" allocated to New Caledonia (ITU-T Recommendation F.69), including the telex network identification code (TNIC) "NM" (ITU-T Recommendation F.68) (also used as telegram destination indicator), remain, nevertheless, reserved for New Caledonia.

For further information, please contact:

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Office des Postes et Télécommunications (OPT)
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98841 NOUMEA CEDEX
Nouvelle-Calédonie
Tel: +687 268 200
Fax: +687 262 927
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Telephone Service

Netherlands Antilles (country code +599)

Communication of 10.X.2002:

The *Bureau of Telecommunication and Post (Regulator)*, Curaçao, announces the following new mobile access code in the Netherlands Antilles:

Locality	New subscriber numbers	Service
Curaçao	+599 9 52X XXXX	Mobile

Contact:

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Tel: +599 9 463 1700
Fax: +599 9 736 5265
E-mail: e.rhuggenaath@burtel.an

Bangladesh (country code +880)

Communication of 14.X.2002:

Bangladesh Telegraph and Telephone Board, Dhaka, announces that *GrameenPhone*, GSM 900 operator in Bangladesh, will change the national (significant) number (N(S)N) from eight digits to nine digits. As from 1st November 2002, The N(S)N, currently 17 XXXXXX, will change to 17 YXXXXXX, where 17 is *GrameenPhone* national destination code (NDC). One extra digit will be inserted after 17.

For the existing numbers, the value of Y will be "1".

The international dialling format will be: +880 17 YXXXXXX

Contact:

Md Munir Hasan
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Plot 3 & 5 Gulshan
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Bangladesh
Tel: +880 2 988 2960
Fax: +880 2 988 2970
E-mail: mominur@grameenphone.com

Denmark (country code +45)

Communication of 15.X.2002:

The *National IT and Telecom Agency (NITA)*, Copenhagen, announces the following change in the Danish telephone numbering plan:

Withdrawal of eight-digit subscriber numbers for fixed network services

<i>Network</i>	<i>Subscriber numbers</i>
Carrier I	80408XXX

Contact:

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IT- and Mobile Division
National IT and Telecom Agency (NITA)
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Greece (country code +30)

Communication of 7.X.2002:

The *National Telecommunications and Posts Commission of Greece (EETT)*, Maroussi, announces that on 3 November 2002 all Greek fixed telephony national (significant) numbers (N(S)N) will become ten-digit by inserting the digit "2" as the leading digit of all existing geographic national destination codes (NDC). Thus, on 3 November 2002, the current NDC of Athens which is 1, will become 21, the current NDC of Thessaloniki which is 31, will become 231, etc. The following table includes three examples describing the changes that will be introduced:

Conversion Table for the new National Numbering Plan (NNP) of Greece (fixed numbers)

<i>Geographical Area</i>	<i>Existing NDC (valid until 2.XI.2002)</i>	<i>New NDC (as from 3.XI.2002)</i>	<i>Existing numbers for overseas calls (valid until 2.XI.2002)</i>	<i>New numbers for overseas calls (as from 3.XI.2002)</i>
ATHENS	1	21	+30 1 XXXX XXXX	+30 21 XXXX XXXX
THESSALONIKI	31	231	+30 31 XXX XXXX	+30 231 XXX XXXX
RHODES	241	2241	+30 241 XX XXXX	+30 2241 XX XXXX

The number changes described above are the major changes of the second and final stage of introduction of the new NNP of Greece. The detailed description of the second stage of introduction of the new NNP was presented in the ITU Operational Bulletin No. 767 of 1.VII.2002, while the detailed description of the first stage was presented in the ITU Operational Bulletin No. 744 of 15.VII.2001.

According to the new NNP, geographical numbers have ten-digit N(S)Ns while, prior to the introduction of the first stage, these numbers were eight digits long. The transition was achieved in two steps. More specifically:

- a) At the first stage of introduction of the new NNP (8 July 2001), the digit "0" was inserted between the national destination code (NDC) and the subscriber number (SN). The digit "0" became the first digit of all SNs of the previous system. Old and new numbers were running in parallel until 20 January 2002.
- b) At the second stage of introduction of the new NNP (3 November 2002), the digit "2" will be inserted as the leading digit of all existing geographic national destination codes (NDC). There will be no parallel phase of running between old and new numbers.

The above are explained in the examples of the following table:

The changes during the two stages of introduction of the new NNP of Greece

<i>Geographical Area</i>	<i>Numbers of the previous NNP</i>	<i>First Stage of Transition (8 July 2001)</i>	<i>Second and Final Stage of Transition (3 November 2002)</i>
ATHENS	+30 1 XXX XXXX	+30 1 0XXX XXXX	+30 21 XXXX XXXX
THESSALONIKI	+30 31 XX XXXX	+30 31 0XX XXXX	+30 231 XXX XXXX
RHODES	+30 241 XX XXX	+30 241 0XX XXX	+30 2241 XX XXXX

According to the new scheme, geographical numbers N(S)Ns have ten-digit. From 3 November 2002, only calls accessing numbers consistent with the new NNP will be completed. Calls accessing numbers consistent with the previous numbering scheme or the first stage of introduction of the new NNP will be routed to a recorded announcement informing about the changes and the calls will be discontinued.

It is noted that the introduction of the new NNP will be completed on 19 January 2003 when all existing nine-digit mobile telephony national (significant) numbers (N(S)Ns) will be converted to ten-digit N(S)Ns by inserting the digit "6" just right after the country code (+30). The digit "6" will be inserted as the leading digit of all current access codes 93, 94, 97 and 99 that will become 693, 694, 697 and 699, respectively.

All Administrations/ROAs are requested to ensure that access is given to the ten-digit numbers according to the new NNP of Greece.

For additional information, please contact:

National Telecommunications and Posts Commission of Greece (EETT)
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Athens
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Fax: +30 1 0610 5049 (+30 21 0610 5049 from 3 november 2002)
E-mail: numbering@eett.gr
URL: www.eett.gr

Ireland (country code +353)

Communication of 23.IX.2002:

The *Office of the Director of Telecommunications Regulation (ODTR)*, Dublin, announces changes to the National Numbering Plan (NNP) in Ireland (country code +353). These changes will take place in the fourth quarter of 2003, following a twelve-month period of parallel running.

Changes to National Numbering Plan (NNP) in Ireland: Why change?

A detailed survey of the Irish National Numbering Plan (NNP) confirmed that certain geographical numbering areas are now reaching exhaustion. The changes are required to provide additional capacity, but these changes will also facilitate some rationalisation and simplification of the National Numbering Plan (NNP). As a result some of the changes will also include a change in the National Destination Code (NDC).

Schedule of implementation

There will be a period of parallel running where both the old and the new subscriber numbers (SN) will work. This parallel running period will last for twelve months. Following this period, recorded announcements to advise callers of the changes, will operate on the old numbers for a further twelve months.

<i>In areas with NDC</i>	<i>Parallel running begins</i>	<i>Parallel running ends</i>
4X or 40X	1.VIII.2002	1.X.2003
5X or 50X	1.IX.2002	1.X.2003
7X	1.X.2002	1.XII.2003
9X or 90X	1.X.2002	1.XII.2003

Areas undergoing change

The table below lists the geographical areas that will undergo number changes, and whether the NDC code will change. In all cases the subscriber number (SN) length is increasing from five (5) to seven (7) digits.

The international dialling format is: + 353 + NDC + Subscriber Number (SN)

<i>Geographical area</i>	<i>Existing NDC</i>	<i>New NDC</i>	<i>New Subscriber Number (SN) length</i>	<i>New Subscriber Number (SN) prefix</i>
Letterkenny	74	74 (No change)	seven	91
Buncrana	77	74	seven	93
Dungloe	75	74	seven	95
Donegal	73	74	seven	97
Sligo	71	71 (No change)	seven	91
Manorhamilton	72	71	seven	98
Boyle	79	71	seven	96
Carrick-on-Shannon	78	71	seven	96
Castlebar	94	94 (No change)	seven	90
Swinford	94	94 (No change)	seven	92
Claremorris	94	94 (No change)	seven	93
Ballinrobe	92	94	seven	95
Castlerea	907	94	seven	96
Ballaghaderreen	907	94	seven	98
Roscommon	903	90	seven	66
Athlone	902	90	seven	64
Ballinasloe	905	90	seven	96
Portumna (Note 1)	509	90	seven	97
Navan	46	46 (No change)	seven	90
Nobber	46	46 (No change)	seven	90
Kells	46	46 (No change)	seven	92

<i>Geographical area</i>	<i>Existing NDC</i>	<i>New NDC</i>	<i>New Subscriber Number (SN) length</i>	<i>New Subscriber Number (SN) prefix</i>
Trim	46	46 (No change)	seven	94
Enfield	405	46	seven	95
Edenderry	405	46	seven	97
Carlow	503	59	seven	91
Muine Bheag	503	59	seven	97
Athy	507	59	seven	86
Baltinglass	508	59	seven	64
Kilkenny	56	56 (No change)	seven	77
Catlecomer	56	56 (No change)	seven	44
Freshford	56	56 (No change)	seven	88
Note 1 – Part of the Portumna NDC Area will not change at this time and will remain +353 509 XXXXX.				

Dialling Examples:

- Subscriber in Letterkenny: Old number +353 74 XXXXX
New number +353 74 91XXXXX
- Subscriber in Donegal: Old number +353 73 XXXXX
New number +353 74 97XXXXX
- Subscriber in Athlone: Old number +353 902 XXXXX
New number +353 90 64XXXXX
- Subscriber in Enfield: Old number +353 405 XXXXX
New number +353 46 95XXXXX

For more information and a more detailed explanation please refer to:
<http://www.odtr.ie/numberchange>

Contact:

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Uganda (country code +256)

Communication of 4.X.2002:

The *Uganda Communications Commission*, Kampala, announces the following change due to take place in the MTN Uganda's network numbering plan. The change will have an impact on the area code. MTN Uganda will be migrating all the +256 78 numbers to +256 3X (where X = 0-9). The official date for this change is scheduled for 1 October 2002 and will be followed by a six-month parallel run of both the +256 78 and +256 3X codes.

The current MTN Uganda fixed line-numbering plan is based on the following scheme: Country code +256 / Area code 78

The new MTN Uganda fixed-line numbering plan will be as follows: Country code +256 / Area code 3X

It is requested that this data be implemented immediately without deleting the current data, i.e. enter (+256) 3X in the B-number analysis tables. The length of the new fixed line number range including the country code (CC) remains at eleven digits.

The old area code (78) will no longer be used after 1 April 2003, a period of parallel running of six months from the implementation date. Therefore, it is essential that the old data range be maintained until 1 April 2003.

Contact:

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Qatar (country code +974)

Communication of 24.IX.2002:

Qatar Telecom (Q-TEL) QSC, Doha, announces that the national Network Colour Code (NCC) "5" has been introduced in Qatar Telecom (Q-TEL) QSC's GSM mobile network QATARNET in addition to the current NCC "0".

Contact:

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URL: www.qtel.com.qa

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

International numbering plan for public data networks

Russia

Communication of 2.X.2002:

The *Ministry for Communications and Informatization of the Russian Federation*, Moscow, announces that the name of the network to which data network identification code (DNIC) 250 0 was assigned has been changed to *Rospac-RT*.

Changes in Administrations/ROA and other entities or Organizations

Belize

Communication of 19.X.2002:

The *Administration of Belize*, Belize City, announces that with the passing of the New Telecommunications Act 2002 in Belize, the functions of the Office of Telecommunications have been taken over by the Public Utilities Commission (PUC). Hence, the Office of Telecommunications no longer exists. Additionally, Mr. Clifford Slusher, the former Director of Telecommunications, has gone on retirement with effect from 31 August 2002.

For further information, please contact:

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Hungary

Communication of 14.X.2002:

Creation of a new Ministry

The *Administration of Hungary*, Budapest, announces that a new Ministry has been created. It is called *Ministry of Informatics and Communications* and Mr Kálmán Kovács has been appointed Minister. Furthermore, *Communication Authority, Hungary (HIF)* is supervised by the Ministry of Informatics and Communications.

The postal address of the new Ministry is:

Ministry of Informatics and Communications
Dob u. 75-81
Pf 87
1400 BUDAPEST
Hungary
Tel: +36 1 461 3401
Fax: +36 1 461 3406

Other communication

Korea (Rep. of)

Communication of 10.X.2002:

Korea Telecom's Overseas Broadband Internet Business

Korea Telecom, Seongnam, announces that, having begun its broadband Internet business in 1999, it has secured 1.73 million subscribers by the end of 2000, and over 3.45 million as of late September 2001, which puts *Korea Telecom* on top among the world's telecom operators in broadband Internet area.

Major features of *Korea Telecom's* broadband services are as follows:

1. ADSL services
 - Using legacy cable, provided up to 4-5km from *Korea Telecom's* end-office
 - Fiber solutions: FLC, small-and-medium-sized ADSL, remote

2. LAN (Advanced Fiber Solution)
 - B&A: early broadband model using E1 fiber line
 - Ntopia (Ethernet): new solution with capacity up to 10/100M
 - XDSL: IP-based LAN solution (SDSL, VDSL)
 - Metro-Ethernet
3. Wireless
 - Satellite: for remote areas
 - Megapass Sky: for Hot Spot areas, using 802.1x
4. Cable modem and B-WLL

In July 2001, *Korea Telecom* embarked on a series of pilot and joint projects on broadband Internet business, and is providing broadband Internet service providers with Total Solution Package.

Some of *Korea Telecom's* overseas broadband Internet business are as follows:

1. Provided *Mongolia Telecom* with ADSL system and networking engineering consulting services;
2. Concluded and ADSL system supply contract with NTC in Vladivostok, Russia;
3. Consulting services for Ethernet solution in Yanji, China;
4. Concluded a supply contract with FK in Nano-City, Okinawa, Japan;
5. Passed BMT of the bidding for 1.5 million ADSL DSLAM ports, offered by Japan's NTT Group.

Countries and cities in which working-level negotiations on broadband Internet business are underway also include Brazil, Chile, Costa Rica, Kazakstan, Uzbekistan, Tajikistan, Ukraine, Viet Nam, Indonesia, India, Thailand, Philippines, New Zealand, United States, United Kingdom, Moscow and Tokyo.

For further information, please contact:

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Director
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E-mail: sunshine@kt.co.kr

Service Restrictions

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:

<i>OB No.</i>		<i>OB No.</i>	
692	Canada (p. 4), Morocco (p. 8), Tonga (p. 5).	731	Netherlands (p. 8).
694	Fiji (p. 5), Morocco (p. 9/10).	737	Belize (p. 8), Turks and Caicos Islands (p. 12).
697	Finland (p. 5/6).	739	Gibraltar (p. 13).
698	Angola (p. 18).	740	Vanuatu (p. 11).
699	Malawi (p. 6), Sweden (p. 9).	741	Swaziland (p. 17).
700	Slovenia (p. 9).	747	Trinidad and Tobago (p. 6).
701	United Arab Emirates (p. 12), Singapore (p. 5).	748	Kenya (p. 4).
702	Samoa (p. 6).	749	Barbados (p. 8).
704	Finland (p. 13).	750	Cyprus (p. 5-6).
707	Germany (p. 3), Morocco (p. 5).	751	Norway (p. 6), Singapore (p. 7).
709	Uruguay (p. 8).	753	Guyana (p. 8), Peru (p. 9).
711	Slovenia (p. 8).	754	Suriname (p. 4), Papua New Guinea (p. 5).
714	Germany (p. 6), Malawi (p. 12).	757	Portugal (p. 4).
716	Norway (p. 17).	758	Greenland (p. 7), Sweden (p. 7), Vatican (p. 8).
719	Denmark (p. 5).	759	Cyprus (p. 7).
722	Belize (p. 8).	762	Greenland (p. 7).
724	Barbados (p. 6), United Arab Emirates (p. 7), New Caledonia (p. 9).	766	Maldives (p. 19).
726	Australia (p. 13, 31), Finland (p. 12), Indonesia (p. 16, 31), Malaysia (p. 12).	770	Netherlands Antilles (p. 9), Guyana (p. 9), Haiti (p. 9).
727	Morocco (p. 5).	772	Mozambique (p. 4).
729	Uruguay (p. 17/18).	773	Guyana (p. 4), Poland (p. 5).
		775	Andorra (p. 5), New Caledonia (p. 6).

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

Note from the TSB

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

Algeria (621), Netherlands Antilles (627), Saudi Arabia (629), Azerbaijan (663), Bahrain (611), Belarus (616), Bosnia and Herzegovina (772), Bulgaria (665), Burkina Faso (631), Burundi (607), Cameroon (671), China (599), Cyprus (626), Colombia (602), Cook Islands (681), Cuba (632), Djibouti (614), Egypt (599, 690), United Arab Emirates (627), Ecuador (619), Ethiopia (657), Gabon (631), Guinea (681), Honduras (613), India (627), Jamaica (648), Japan (649), Jordan (652), Kazakstan (619), Kenya (605), Kyrgyzstan (616), Kuwait (610), Latvia (617), Lebanon (642), Madagascar (639), Malaysia (603), Malta (688), Morocco (619), Mexico (697), Monaco (749), Niger (618), Nigeria (647), Uganda (603), Qatar (593), Dem. Rep. of the Congo (672), Seychelles (631), Sudan (686), South Africa (655), Tanzania (624), Thailand (611), Turkey (612), Viet Nam (619), Wallis and Futuna (649), Yemen (622).

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

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

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

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

AMENDMENTS TO SERVICE DOCUMENTS

Abbreviations used

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

List of Coast Stations (List IV) 18th Edition and Supplement No. 1

(Amendment No. 26)

DNK Denmark

P 657 Note A, **LIR**

A Accounting authority: TDC Tele Denmark Ltd., Lyngby Radio Accounting, Bagsvaerd Moellevej 3, DK- 2800 Kgs. Lyngby (Denmark).
Contact: Lene Andresen
TF: +45 45 28 98 00 / 45 28 98 40
FAX: +45 44 49 53 35
E-mail: landr@tdc.dk

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

Part IV

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

P 210 J REP
(Supplement No. 1)

J

a)	CY05	GB11	JP01	JP02
	JP03	JP05	NL01	RS01
b)	JP01	JP02	JP03	JP04
	JP05			

P 210 LUX REP
(Supplement No. 1)

LUX

a)	BE01	BE02	BE03	BE09
	CY05	DP01	DP02	DP03
	DP05	FR01	GB01	GB08
	GB11	GK12	LU01	NL01
	RS01			
b)	LU01			

P 211 NOR REP
(Supplement No. 1)

NOR

- | | | | | |
|----|------|------|------|------|
| a) | BE02 | CY03 | DK01 | DP05 |
| | GB01 | GB05 | GB06 | GB08 |
| | GB11 | NL01 | NO01 | RS01 |
| | RS06 | | | |
| b) | NO01 | | | |

**List of international
monitoring stations
(List VIII)
9th Edition (March 2001)**

(Amendment No. 4)

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

ADD by alphabetical order

KOR Korea (Rep. of)

- Name of the station*
Icheon
(SCIE, IMS, SCTE).
- Geographical coordinates*
127°33'37" E 37°08'15" N.
- Hours of service*
H24.
- Information on antennas in use*
Two 13 m Cassegrain antennas for frequency range 1 GHz to 21 GHz; slew rate 5°/second (azimuth), 2.5°/second (elevation).
- Range of azimuth and elevation angles*
Azimut $\pm 270^\circ$, elevation $0^\circ \sim 90^\circ$.
- Maximum attainable accuracy in determining orbital positions of space stations*
 - L band: 0.034°
 - S band: 0.031°
 - C band: 0.013°
 - X band: 0.008°
 - Ku band: 0.003°
 - Ka band: 0.002°.
- 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: 87° K
 - (b) S band: 82° K
 - (c) C band: 78° K
 - (d) X band: 80° K
 - (e) Ku band: 85° K
 - (f) Ka band: 133° K.

9. *Ranges of frequencies with the maximum attainable accuracy of frequency measurement for each frequency range*
 - (a) L band: 1.45 GHz ~ 1.8 GHz: 1×10^{-12}
 - (b) S band: 2.17 GHz ~ 2.66 GHz: 1×10^{-12}
 - (c) C band: 3.4 GHz ~ 4.8 GHz: 1×10^{-12}
 - (d) X band: 6.7 GHz ~ 7.75 GHz: 1×10^{-12}
 - (e) Ku band: 10.7 GHz ~ 12.75 GHz: 1×10^{-12}
 - (f) Ka band: 17.7 GHz ~ 21 GHz: 1×10^{-12} .

10. *Ranges of frequencies in which field strength or power flux-density measurements can be performed*
 - (a) L band: 1.45 GHz ~ 1.8 GHz
 - (b) S band: 2.17 GHz ~ 2.66 GHz
 - (c) C band: 3.4 GHz ~ 4.8 GHz
 - (d) X band: 6.7 GHz ~ 7.75 GHz
 - (e) Ku band: 10.7 GHz ~ 12.75 GHz
 - (f) Ka band: 17.7 GHz ~ 21 GHz.

11. *Minimum value of measurable field strength or power flux-density with indication of attainable accuracy of measurement*
 - (a) L band: $-171 \text{ dBW/m}^2 \pm 1.5 \text{ dB}$
 - (b) S band: $-173 \text{ dBW/m}^2 \pm 1.5 \text{ dB}$
 - (c) C band: $-167 \text{ dBW/m}^2 \pm 1.5 \text{ dB}$
 - (d) X band: $-176 \text{ dBW/m}^2 \pm 1.5 \text{ dB}$
 - (e) Ku band: $-180 \text{ dBW/m}^2 \pm 1.5 \text{ dB}$
 - (f) Ka band: $-187 \text{ dBW/m}^2 \pm 1.5 \text{ dB}$.

Bandwidth 4 kHz, C/N ~ 20 dB.

12. *Information available for bandwidth measurements*

Bandwidth measurements in accordance with the methods described in Recommendation ITU-R SM.328-10.

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 (03/99))
(Position on 1 April 2002)**

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

(Amendment No. 14)

	Country/ geographical area ISPC	Unique name of the signalling point	Name of the signalling point operator
P 5 & 6	Austria	SUP	
	2-026-6	Wien	Econophone
	2-133-1	Wien	CyberTron Telekom
P 5 & 6	Austria	2-026-2 / 2-026-3 / 2-026-5 / 2-066-0 / 2-066-1 / 2-066-5 / 2-067-0 / 2-067-7	LIR
	2-026-2	Wien	T-Mobile Austria
	2-026-3	Wien	T-Mobile Austria
	2-026-5	Wien	eTel Austria
	2-066-0	Wien	T-Mobile Austria
	2-066-1	Wien	T-Mobile Austria
	2-066-5	Linz	UTA Telekom
	2-067-0	Wien	Equant Austria Telekommunikationsdienste
	2-067-7	Wien	Telekabel Wien
P 48	United States	ADD	
	3-050-3	Middletown, NJ	AT&T
P 25	Latvia	ADD	
	2-096-5		Telecom Baltija
P 29	Netherlands	ADD	
	2-143-4	Amsterdam	Alpha@CT
P 28	Netherlands	2-002-1 / 2-002-2	LIR
	2-002-1	RTD_AXE, Rotterdam	i-21 Netherlands B.V.
	2-002-2	WTC, Amsterdam	i-21 Netherlands B.V.
P 32	Portugal	ADD	
	2-138-0	CISCO Lisbon	Mundo Estreia Fornecimento Serviço Virtual Cartões Chamada A través da Internet, Lda
P 34	Singapore	ADD	
	5-055-7	Macquarie Secondary – Tai Seng	Macquarie Corporate Telecommunications Pte Ltd
	5-048-0	Macquarie Primary – Tai Seng	Macquarie Corporate Telecommunications Pte Ltd

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

**List of Data Network Identification Codes (DNIC)
(According to ITU-T Recommendation X.121)
(Position on 15 August 2001)**

(Annex to ITU Operational Bulletin No. 746 – 15.VIII.2001)

(Amendment No. 9)

P 16 **Russia**
DNIC 250 0* **COL 3**
REP ROSPACK
 by Rospac-RT

* See the communication from the *Ministry for Communications and Informatization of the Russian Federation* in this ITU Operational Bulletin No. 775 of 1.XI.2002, page 12.

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

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

(Amendment No. 5)

Numerical order ADD
P 9 4-005 India (Republic of)
P 11 5-047 Singapore (Republic of)

Alphabetical order ADD
P 17 4-005 India (Republic of)
P 21 5-047 Singapore (Republic of)

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

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

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

(Amendment No. 15)

P 3 ADD Albania

Country/ Geographical area	Company Name/Address	Issuer Identifier Number	Contact	Effective date of usage
Albania	Vodafone Albania SH.A. Zayed Bisnes Center "Sulejman Delvina" TIRANA	89 355 02	Gjergz Shalesi, Manager Quality & Regulatory Affairs Dept. Zayed Bisnes Center "Sulejman Delvina" TIRANA Tel: +355 4 283 550 Fax: +355 4 283 517	23.IV.2001

P 23 ADD Lithuania

Country/ Geographical area	Company Name/Address	Issuer Identifier Number	Contact	Effective date of usage
Lithuania	UAB "Bité GSM" Zemaites – 15 LT – VILNIUS 2600	89 370 02	Darius Masionis Zemaites – 15 LT – VILNIUS 2600 Tel: +370 5 390 390 Fax: +370 5 213 1010 E-mail: info@bite.lt	31.I.2003

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

ADD Lithuania

Country/Geographical area	Approving Organisation
Lithuania	Communications Regulatory Authority Algirdo 27 LT – VILNIUS 2600 Tel: +370 5 216 1177 Fax: +370 5 216 1564 E-mail: rrt@rrt.lt

