

INTERNATIONAL TELECOMMUNICATION UNION

Telecommunication
Development Bureau



Administrative Circular CA/07

8 June 1999

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Subject: **Questionnaire on Question 13/1 of ITU-D Study Group 1: Promotion of infrastructure and use of the Internet in developing countries**

TO ADMINISTRATIONS OF MEMBER STATES OF THE ITU

Dear Sir/Madam,

The Telecommunication Development Conference held in Valletta in 1998 approved, among the Questions to be studied by ITU-D Study Group 1, a Question entitled "Promotion of infrastructure and use of Internet in developing countries".

The first meeting of Study Group 1 in September 1998 decided to create a Focus Group to deal with this Question at least for one year.

The Focus Group at its first meeting (Bonn, 15-16 December 1998), decided to send two questionnaires in order to collect information and data both from Administrations and from the private sector. The questionnaire to be sent to the Administrations was prepared, sent to the members of the Focus Group for discussion, and has now been finalized by the Chairman of the Focus Group.

I would be grateful if each recipient could reply to the attached questionnaire, which is also available on the Web at the following address: <http://www.itu.int/ITU-D/Activities.html>.

You may ask the regulatory body of your country to contribute as appropriate.

I would kindly ask you to send your replies, preferably by e-mail, or otherwise by fax, no later than **30 July 1999** to the Telecommunication Development Bureau:

ITU-D Study Groups Secretariat

Fax: +41 22 7305484

e-mail: devsg1@itu.int

I would also be grateful if you could indicate the name and the data (telephone, fax, post and e-mail address) of the person we could address as Focal Point for the Internet issues in your country.

I thank you very much for your co-operation.

Yours faithfully,

Hamadoun I. TOURÉ
Director

Annex: Questionnaire

Distribution:

- Administrations of Member States of the ITU;
- Contact points for Question 13/1
- ITU distribution list

QUESTIONNAIRE

Focus Group on Question 13/1

"Promotion of infrastructure and use of the Internet in developing countries"

Instructional note: The aim of this survey is to obtain information on Internet policies, practices, and trends in various countries. Because this environment differs from country to country, some of the questions posed will not be applicable to your country. Kindly make every effort to answer all questions that apply to you, but feel free to leave blank any that are inapplicable.

SECTION I: NATIONAL TELECOMMUNICATION POLICY

NATIONAL POLICIES

1.1 A national policy promoting Internet development exists in this country. YES NO

1.2 It specifically targets:

Rural areas

Low income areas

Health care providers

Universities

Libraries

Other (describe)

1.3 It is financed through:

Taxes

Subsidies

Other (describe)

2.1 Does your country permit foreign investment in its telecommunication sector? YES NO

If yes, in which sectors?

Voice Foreign ownership percentage limitation (if any)

Data Foreign ownership percentage limitation (if any)

Payphones Foreign ownership percentage limitation (if any)

Mobile/Cellular Foreign ownership percentage limitation (if any)

Satellite Foreign ownership percentage limitation (if any)

VSAT Foreign ownership percentage limitation (if any)

Other..... Foreign ownership percentage limitation (if any)

2.2 By what authority is foreign investment permitted?

Legislation

Authorization by Ministry

Other (describe)

3.1 Does your country permit private companies to provide Internet service?

YES NO

If yes, how?

Via leased lines

Via their own private facilities

Type of private facilities used most often:

3.2 Does your country permit public sector or public service (not-for-profit) organizations to provide Internet service?

YES NO

If yes, how?

Via leased lines

Via their own private facilities

Type of private facilities used most often:

4. Must Internet Service Providers meet certain criteria in order to provide Internet service in your country?

YES NO

If yes, please describe

5. Must Internet Service Providers provide information to the government about:

Traffic flow YES NO

Number of customers YES NO

If yes, please explain

6. Does policy providing for favorable rates for leased lines for Internet Service Providers exist in your country?

YES NO

If yes, please describe

7. Has your government, ministry, or regulator taken any action that you believe encourages Internet infrastructure growth and development?

YES NO

If yes, please explain

PRICE

8.1 How much does Internet service cost residential users in your country?

Flat fee of (unlimited use)
 per month for ... hour(s). per minute/hour once exceeded.
 per hour
 per minute

8.2 How much does Internet service cost business users in your country?

Flat fee of (unlimited use)
 per month for ... hour(s). per minute/hour once exceeded.
 per hour
 per minute

8.3 How much does Internet service cost public sector (not-for-profit) organizations in your country?

Flat fee of (unlimited use)
 per month for ... hour(s). per minute/hour once exceeded.
 per hour
 per minute

8.4 How much does an Internet Service Provider pay to lease:

A 64k line
 A 256k line
 A 512 line
 Other

8.5 To whom is this fee paid?

8.6 Besides the cost of a leased line, must the Internet Service Provider pay any other fee to the operator? YES NO

If yes, please explain

8.7 If Internet Service Providers may provide Internet service via their own facilities, must they pay an interconnection or other fee to the operator? YES NO

If yes, please describe and specify the amount.

-
- 8.8 If Internet Service Providers may provide Internet service via their own facilities, describe the type of facilities used most often:
-
-

ACCESS

- 9.1 How many universities are located in your country?

- 9.2 How many are connected to the Internet?

- 9.3 How many have access to e-mail?

- 9.4 Do university students have direct access to computers for e-mail or Internet use? YES NO

If no, who has direct access in the universities?.....

- 9.5 Are introductory and advanced computer-use classes, networking, routing, or network-architecture classes available at the university? YES NO

- 9.6 How many secondary schools are located in your country?

- 9.7 Do any of these schools have Internet access? YES NO

- 9.8 Do these students have direct access to computers for e-mail or Internet use? YES NO

- 9.9 How many primary schools are located in your country?

- 9.10 How many have Internet access?

- 9.11 Do these students have direct access to computers for e-mail or Internet use? YES NO

- 9.12 Do residents in your country have access to Public Call Offices (PCOs), telecenters or cyber-cafes? YES NO

If yes, please describe

.....

- 9.13 Is there free access to the Internet for residents of your country who are not in school? YES NO

If yes, what is the forum?.....

9.14 Are personal computers manufactured/assembled domestically in your country? YES NO

9.15 What is the average cost of a personal computer in your country?

9.16 What is the customs duty placed on personal computers?

9.17 From which countries do you import personal computers?

9.18 Is there any other information related to Internet service, infrastructure or development you believe would be relevant to this survey? If so, please provide below.

SECTION II: INTERNET INFRASTRUCTURE OPTIONS

10.1 If you could begin from the "ground up," what, in your view, would be the optimal means of constructing a network at national level suitable for carrying Internet traffic?

10.2 What are the most common elements that comprise a network capable of providing Internet service?

10.3 Are these elements common to all advanced data networks? YES NO If not, how does this network differ?

10.4 Describe means/options to construct an Internet network (please rate these from least to most expensive).

Table with 2 columns: Means/Options, Rating. Includes dotted lines for data entry.

10.5 Describe ways to enhance or scale existing networks so that Internet traffic can be carried (please rate these from least to most expensive)

Description (include network type)	Rating
.....
.....
.....
.....
.....
.....

10.6 Describe the best ways to construct an Internet network to cover thin, low-density routes.

.....
.....

Which of these options are the least expensive?

.....
.....

**SECTION III: CAPACITY IN TECHNICAL EXPERTISE
AMONG PRIVATE SECTOR AND GOVERNMENT**

11.1 Please indicate technical training in regard to the Internet or IP networks that currently exists in your country.

.....
.....

11.2 What sources outside of your country do you use for additional training?

.....
.....

11.3 How would you rate the current status of human resource capacity currently existing in your country in the following areas:

Network engineering	<input type="checkbox"/> excellent	<input type="checkbox"/> very good	<input type="checkbox"/> good	<input type="checkbox"/> fair	<input type="checkbox"/> poor
Network maintenance	<input type="checkbox"/> excellent	<input type="checkbox"/> very good	<input type="checkbox"/> good	<input type="checkbox"/> fair	<input type="checkbox"/> poor
Router configuration	<input type="checkbox"/> excellent	<input type="checkbox"/> very good	<input type="checkbox"/> good	<input type="checkbox"/> fair	<input type="checkbox"/> poor
System integration	<input type="checkbox"/> excellent	<input type="checkbox"/> very good	<input type="checkbox"/> good	<input type="checkbox"/> fair	<input type="checkbox"/> poor
Local content	<input type="checkbox"/> excellent	<input type="checkbox"/> very good	<input type="checkbox"/> good	<input type="checkbox"/> fair	<input type="checkbox"/> poor
Basic applications	<input type="checkbox"/> excellent	<input type="checkbox"/> very good	<input type="checkbox"/> good	<input type="checkbox"/> fair	<input type="checkbox"/> poor

11.4 What are your greatest needs for training in these areas?

.....
.....

FOCAL POINT FOR THE INTERNET ISSUES IN YOUR COUNTRY

1. Mr/Ms _____
Family Name
First Name
2. Country _____
3. Name of the Administration _____
4. Title _____
5. Address _____

6. Tel.: _____ Fax: _____ E-Mail: _____

*To be returned no later than 30 July 1999 to:
 ITU-D Study Groups Secretariat
 Telecommunication Development Bureau
 Fax: +41 22 730 54 84
 E-Mail: devsg1@itu.int*
