



Question 12/2: Examine broadband communications over traditional copper wires on aspects of technologies, systems and applications

## **STUDY GROUP 2**

SOURCE: RAPPORTEUR FOR QUESTION 12/2

TITLE: REPORT OF MEETING ON QUESTION 12/2

The first meeting of Question 12/2 took place on Tuesday 8 September from 14:30 to 15:45. The Rapporteur, Mr Bruno PEUCH from PARADYNE (USA) was assisted by Mrs Fidelia AZODOGBEHOU from the ITU who will serve as the ITU-D Focal point for this Question.

### 1. Relevant documents:

- Document 2/OJ/003 from Rapporteur: Ordre du jour
- Document 2/017 from Telecom Italia : Road map for question 12/2
- Document 2/019 from BDT: Definition of questions
- Document 2/023 from Rapporteur: Proposed agenda for question 12/2

2. The meeting approved the "ordre du jour" as described in 2/OJ/003.

### 3. Analysis of the question:

In the last study period (1994-1998) SG2 addressed Question 1/ 2 – Part D which objective was to determine a work programme to assist developing countries to evaluate the appropriateness of a broad array of technologies, including broadband communications over existing copper networks. The results of this activity were the text of the current question and a report annexed to Document 2/263-E.

The Question 12/2 is presented Document 2/019 pages 32 and 33. The meeting addressed more specifically points 2 and 3 insisting on the fact that both technical and economical aspects have to be considered.

### 4. Presentation of documents:

- Document 2/017:

This document was introduced by Dr Luca Lispi from Telecom Italia. This document essentially proposes to split the work to be conducted under this question in sub-tasks and insists on the need to concentrate our efforts on the cost/benefit analysis. Some other technical aspects relative to the

positioning of xDSL technologies vis à vis other access technologies as well as the issue of coexistence of ISDN and ADSL signals on the same loop are also addressed.

- Document 2/023:

This document was actually designed as a work plan for the Question 12/2 for the whole study period and should be considered as such. Similarly to the previous document, this document suggests to split the work in sub-tasks adding key drivers and organisational impacts to the list proposed in D2/017.

#### 5. Discussion:

After valuable discussion between members, the Group agreed on the principle to split the work in 3 sub-tasks:

- a reference book covering technical aspects should be generated. However, it should refer to technical inputs provided by ITU-T, ETSI and other forums; it will not be a duplication of efforts made in other forums but will allow to inform on the progresses made in technical bodies. This reference book will also cover applications and services as well as interoperability between access and backbone networks.
- A cost/benefit analysis or business model framework to study the appropriateness of the deployment of xDSL technologies.
- An assessment of the demand for such services and technologies taking into account the development stage of the telecommunication infrastructure.

Other topics might be added during the course of the study.

#### 6. Identification of Associate Rapporteurs and active collaborators:

The Rapporteur insisted on the need to get representatives of the various geographical, cultural and economical areas in particular to make sure that we are taking into account needs, applications and local constraints.

The following Associate Rapporteurs have been identified:

- Mr Rolando BOTTONI, Telecom Italia
- Mr Fahmi CHELLY, CERT, Tunisia

Some active collaborators have also been identified during the course of the meeting.

#### 7. Continuation of work - Rapporteur meeting

The group agreed that the work will be conducted by mail exchanges. The interested parties should identify themselves by contacting the Rapporteur ( Bruno PEUCH, PARADYNE, 2229 Route des Crêtes 06560 Valbonne, France, tel: +33 492 942 506, fax: +33 492 942 501, e-mail: [bpeuch@paradyne.com](mailto:bpeuch@paradyne.com)) who will insure the proper communication of documents.

The next Rapporteur meeting will be conducted in conjunction to the next ITU-D SG2 meeting in September 1999.

The Rapporteur closed the meeting at 15:45.