



Telecommunication Development Bureau (BDT)

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COLLABORATION AMONG THE R&D INSTITUTIONS IN ITU MEMBER STATES

1 Telecommunications, information technology and broadcasting are converging together. R&D organizations are playing a major role in the development of new technologies and facilitating convergence. The Asia-Pacific Region is having a strong base in R&D. The Region is having diverse requirements of technologies and each of the countries is concentrating on technological development as per the requirement of the country.

2 In India, C-DOT is the premier R&D organization in the sector of telecommunications and related software development. A large number of telecom industries in the government sector as well as in the private sector are also undertaking R&D activities for new systems and for upgrading the existing systems. In addition, a large number of academic institutions, e.g. the Indian Institute of Technology, Indian Institute of Science, University of Roorkee, one of the oldest institution in Asia, and many other universities are pursuing R&D in Telecom and IT sector. Some are also collaborating with C-DOT as well as with industries for their research programme in the Telecommunication Sector.

3 ITU can play a major role in the collaboration and interworking of R&D institutions in the Region in new areas of thrust as well as their linkage to other regions of the world. An effort in this direction may be by electronic networking of R&D organizations. The ITU website may have a site for research and development with special emphasis on the following priority items:

- i) Internet protocol and Internet telephony;
- ii) multimedia services;
- iii) IMT-2000 based broadband network, services and ITU related activities;
- iv) ATM systems.

4 The website is expected to form a good interactive media for internetworking of R&D institutions of the Asia-Pacific Region to share each others individual experiences to achieve common goal of faster growth to serve mankind in the region and develop a strong base not only for the Asia-Pacific Region but for supporting other developing regions of the world. Suitable security measures may be adopted for such a website so that the website is not misused by unauthorized users. The website may contain the information in the following places.

4.1 Directory of R&D organizations

This website may be kept open for general use without any security.

4.2 General information

The general information regarding R&D institutions and their activities falling in public domain may be kept open on this website and the website may be open to all by appropriate registration and identification.

4.3 Information restricted to Member countries wishing to be collaborative partners

This website may contain information which is relevant to actual collaborative objective goals of actual projects/programmes of R&D organizations of the ITU Member countries. This information should be available only to R&D organizations interacting in accordance with the agreed terms and framework of such collaboration.

4.4 Classified informations

This website may contain the information required by closed user groups of R&D organizations who are interacting with each other on an identified project/projects.

5 Proposal for consideration by TDAG

Recognizing the fast pace of development in Telecom and IT sector, research and development in the telecommunications, information technology and broadcasting and their convergence:

It is proposed that the R&D institution of ITU Member States may collaborate in selected areas supplementing efforts of each other to share information by creating a secure website. It is also proposed that for developing the terms of reference and framework for such collaboration, an expert group of Member States may be constituted and India offers to provide secretariat functions and also most cost-effective transfer of technology arrangements/process for industrialization of outcome of joint R&D.
