

Conference, the Agence de Coopération Culturelle et Technique, and a number of other regional organizations.

The Canadian International Development Agency shares with the ITU the same priority of human resources development. Canada has renewed its commitments to ITU's training sharing system and supports ITU's objective of bringing mankind within easy reach of a telephone by the early 2000s. Canada has been and stays a pioneer in developing appropriate technology for remote and rural areas.

Teleglobe Canada, a federal Crown corporation, provides submarine cable and satellite links with the international community. Teleglobe is an active partner with the Canadian Telecommunications Carriers in connecting them to international users, extending their new services internationally as well as providing specialized services such as Globefax, a high speed digital facsimile service and Intelpost, an electronic mail service offered in collaboration with Canada Post. Another world's first is the recent introduction of Confratel, an intercontinental digital teleconference service linking Canada and Britain with full-motion, two-way colour and voice communication. Teleglobe Canada has also developed a Network Inventory System now being offered to other international carriers.



BELL CANADA INTERNATIONAL:
Analyzing a customer's problem.

CONSULTING & TRAINING SERVICES

CANADIAN TELECOMMUNICATIONS ENGINEERS and technicians travel the world as consultants in the design, procurement and operation of all types of telecommunications equipment. Among the Canadian companies prominent in space-related consulting services are Microtel Limited, Canadian Astronautics Limited, Com Dev Ltd., Miller Communications Systems Ltd., SED Systems Inc., Spar Aerospace, and Telesat Canada. In the broader area of general telecommunications services many of the operating companies have specialist consulting groups which are described in the consulting section of this brochure. Others have also developed a reputation of excellence around the world.

Canadians performing services, whether planning, engineering, supervising or training, consistently offer high quality and value. They also have the expertise to adapt systems to clients' particular needs.

Bell Canada International Inc. has provided a major operations and management consulting service to the Kingdom of Saudi Arabia for more than five years. This contract also emphasizes the human resources required in the telecommunications environment.

The special skills in management of people and training requirements are, perhaps, even more important than technology excellence in creating an efficient world-class telecommunications operation.

Microtel Learning Services is another private organization that started by organizing and delivering courses to technicians and managers in Western Canada and has now grown into a major provider of computer-based training to major telecommunication authorities, firms and other organizations in Canada, in the United States and many other countries. Canadian firms participated in the Development of the ITU and helped develop training standards. Canada remains committed to increasing transfer of knowledge to improve the productivity of personnel and the overall efficiency of telecommunication equipment and networks.

PLANNING A NATIONAL 7000 KM FIBRE OPTIC NETWORK

IN 1984, MANAGERS IN TELECOM CANADA conducted studies that led to a decision to install a digital fibre optic transmission system in the coast-to-coast network. This digital system will be incorporated into Telecom Canada's existing all-digital network, which already stretches across the country.

The first sections of the fibre route will be installed in early 1988 and the final link in 1991. The technology selected is the high-capacity 565 M bps fibre, which provides capacity for 8032 voice or equivalent channels for each fibre pair.

Confidence in fibre optic technology has been building over a period of several years. Systems of lower-capacity, 24 voice channels, are in wide use in many cities for inter-office trunks.