

Many high frequency (HF, VHF and UHF) mobile radio systems are manufactured in Canada and provide an ever-increasing number of commercial and public services. The systems involve mobile stations, base stations and portables. Demand is growing for mobile radio telephone systems that interface into telephone networks providing access from coast-to-coast. In the Prairies, Alberta Government Telephone operates the world's largest integrated mobile radio telephone service, consisting of 24,000 mobile units hooked up to some 400 base stations. Further, the private sector in Alberta has more than 30,000 mobile units in service. Canadian suppliers of those systems include Motorola Canada, WR Communications, Spilsbury & Tyndall, and Mobile Data Incorporated.

Premier telecommunications manufacturers, such as Northern Telecom and Mitel, are now looking more closely to Pacific Rim markets for advanced digital switching products as part of their corporate marketing plans. Both firms manufacture state-of-the-art PABX products that are receiving wide acceptance on export markets. For Northern Telecom, the SL-1 digital switching system can be installed to serve up to 32 different subscribers. Another Northern Telecom product is the SL-10 packet switching system which connects a distributed set of data terminals to a single computer or helps create a single common network for a multitude of computers and terminals as part of the DATA PAC packet network of TCTS. Also at Northern Telecom is the DMS (digital multiplex switch) family of building blocks from line concentrators (DMS-1) and local office switching up to 6,000 lines (DMS-10) to central offices with potential up to 100,000 lines (DMS-100); toll switching up to 60,000 trunks (DMS-200); and a toll machine specifically tailored to meet international gateway applications (DMS-300).

While Mitel has not yet diversified into CO switches, their line of PABX products, SX/10/20/100/200, has fueled rapid export market expansion. They also manufacture a wide range of so-called telecom products designed to improve the technical and operating efficiency of existing telephone exchanges.

c) Recent Canadian Marketing Activity

The Canadian government - particularly through the departments of Communications and Industry, Trade and Commerce - has been directly involved in recent efforts to demonstrate Canadian telecommunications equipment in Australia. A Department of Communications mission to Australia in May 1979 held discussions with senior