

Transportation. (Secretaría de Comunicaciones y Transportes - SCT). Teléfonos de México, the centralized telephone system which was recently sold to a group of local and foreign private investors, provides service to all areas of the country with 11 million telephones installed. The privatization of Telmex will translate into increased and modernized services through the purchase and installation of high technology products. It uses mostly mainframes and micros for the control of lines and to bill its customers, as well as for general administrative purposes.

Telecomunicaciones de México, through the national telegraph company, has over 2,600 offices in operation and employs 14,000 people. In 1990, it transmitted 25 million telegrams and 9 million payment orders. The postal service has 7,500 offices and employs 32,000 people. In 1990 it handled over one billion items, however, it is only in the first stages of automation. Computers are still used basically for general accounting and administrative tasks. There are 600 television stations throughout Mexico, in addition to over 1,000 radio stations, both privately and government owned;

- The Mexican public transportation system, including motor vehicles, subway, air transportation, railroads and maritime transportation is also regulated by SCT. Computer applications are used in all these areas for reservation services, inventory control, traffic and vehicle control, freight movements, invoicing, personnel management, payrolls and general accounting;

Government health institutions, including the Mexican Institute for Social Security (Instituto Mexicano del Seguro Social IMSS), the Health Institute for Safety and Social Services for State Workers (Instituto de Seguridad y Servicios Sociales para los Trabajadores del Estado ISSSTE), the Secretariat of Public Health, PEMEX, the Army and Navy together supply medical services to some 45 million people in their 1,600 hospitals and 9,000 consulting offices for out-patients. Additionally, there are some 25,000 doctors in private practice. IMSS and ISSSTE have an elaborate computer network throughout the country to register and bill their members and associates, register medical histories, for inventory control of fixed assets, equipment and medicines, general accounting, payroll, accounts payable and receivable.

The Mexican educational system, ranging from pre-school to post graduate studies, covers over 30 million pupils and students. Computers are beginning to form an integral part of the educational system, particularly at the university level, to conduct important research programs in all areas of education, to train and teach students and to record students enrolled, their grades, material purchases, payrolls, etc.. Total enrollment at the university level can be divided into the following study areas: social and administrative sciences 43%, engineering and technology 28%, medicine 14%, agricultural sciences 9%, education