

Major users and applicators of our commercial domestic communications satellite system include:

Educational Broadcasting

TVOntario, the broadcasting service of the Ontario Educational Communications Authority, and British Columbia's Knowledge Network are carried to terrestrial transmitters, cable and other distribution facilities.

Canadian Broadcasting Corporation (CBC)

Telesat, the first satellite carrier of national network TV signals, today carries the CBC's English and French radio and television network services. The CBC uses Anik not only to distribute finished programs for live or delayed broadcast but also to assemble program material transmitted from one city to another, to extend its coverage to the North and to provide special regional services.

House of Commons

Live coverage of House of Commons proceedings, with commentary and interpretation in both English and French, is carried across the nation to cable television systems. Canada was

one of the first countries to offer this basic form of 'teledemocracy'.

Telephone Companies

Canada's major telecommunications carriers use a dozen or more satellite channels for long-distance telephone, data and other services. Satellites have become such a common, integral part of the telecommunications network that their use has become 'transparent' to Canadians. People dialling long distance, for example, hear 'blips' as their calls are being connected, but are largely unaware of how the connection is being made.

Cable Television Distribution

Delivery of television programs to cable systems is one of the most popular applications of Canadian satellites. One of the most remarkable networks is La SETTE, a consortium of Quebec cable operators that provides recorded programs—mostly cultural—from France to more than 50 cable systems throughout the province. The programs are delivered via Anik C (except to networks within 50 kilometres of Montreal). La SETTE, which began operations in 1980, was the world's first commercial application of the 14/12 GHz technology. A similar system, the Atlantic Satellite Network, serves Canada's Atlantic provinces.

Pay Television

All but one of Canada's new pay-TV networks are transmitted from their origination points to hundreds of local cable companies, which sell the services to consumers. Together, the networks use eight satellite channels.

Television in Remote Locations

Canadian Satellite Communications Inc. (CANCOM) puts together a package of television signals from four independent Canadian broadcasters and four US networks. Telesat delivers the transmissions to remote and previously underserved communities.

Integrated Digital Communications Service (Stratoroute 2000)

Stratoroute 2000, introduced by Telecom Canada, brings about the true integration of voice, data and image telecommunications. Signals travel by terrestrial means to Stratoroute 2000 earth stations where they are blended into a digital stream and transmitted to an Anik

Spinning at about 50 revolutions per minute, Telesat Canada's Anik C-3 communications satellite rises gently out of the cargo bay of the US space shuttle Columbia, November 12, 1982.

