

centres in Canada and adjoining states, as well as with other agencies providing supporting and auxiliary services or having a need to deal directly with the centre, such as air-carrier operations agencies and military operations agencies. Area control centres provide several additional services. The Aircraft Movement Information Service assists the Department of National Defence in identifying all aircraft operating in specified areas. The Customs Notification Service facilitates the notification of appropriate customs agencies by pilots planning to cross the Canada-United States border. When necessary, appropriate search and rescue organizations are notified by the Alerting Service. Pilots en route may receive current information such as weather reports and field condition reports from the Flight Information Service. Area control centres are located at Gander, Nfld.; Moncton, NB; Montreal, Que.; Toronto, Ont.; Winnipeg, Man.; Edmonton, Alta.; and Vancouver, BC. A new area control centre has been constructed at Montreal, and design and construction are in progress for new centres at Moncton, Gander, Toronto and Edmonton.

The Airspace Reservation Coordination Office provides reserved airspace for specified operations within controlled airspace and information to other pilots concerning these reservations and military activity areas in controlled and uncontrolled airspace. The office, located in Ottawa, is responsible for providing the service in all Canadian airspace and in the Gander Oceanic Control Area.

Telecommunications Electronics. The Canadian Air Transportation Administration also provides telecommunications electronics and flight service to other components of the department, to other departments and agencies and to civil aviation users in Canada. This activity involves approximately 200 electronic engineers who are responsible for preparing specifications, design of telecommunications and electronics systems, and procurement of electronic equipment and systems employed in civil aviation in Canada. In concert with this the department employs about 1,500 Technician Electronics, who are responsible for the maintenance of highly complex electronic equipment and systems such as instrument landing systems, non-directional beacons, distance measuring equipment, communications equipment and consoles, and radar.

Finally, there are approximately 1,100 radio operators employed at 116 air radio stations in Canada. This highly trained and skilled group is involved and responsible for pre-flight weather briefings, flight planning, monitoring of sophisticated aids to navigation, broadcast services, and airport advisory service to aircraft. Over a year, this activity involves approximately 900,000 flight plans, 1,500,000 air-ground communications and over 1,300,000 landing and take-off of aircraft at airports throughout Canada having no control towers.

Airworthiness. To comply with a 1970 CATA policy decision, the Airworthiness Division of Civil Aeronautics is responsible for validating the airworthiness certification of all foreign and domestic manufactured aircraft and components prior to the issuance of a type approval or a certificate of airworthiness; and the supervision of manufacturers and repair organizations for compliance to Canadian airworthiness standards.

Airports. The Department of Transport owns 145 airports in Canada including such major international airports as Vancouver, Calgary, Edmonton, Winnipeg, Toronto, Montreal (2), Halifax and Gander. Of these, 87 are operated by the Department of Transport, 48 by municipalities and 10 by others. Municipal airports, served by scheduled air service, are eligible to receive an operating subsidy from the Department of Transport. The department also assists the construction of smaller community airports through capital grants.

15.5.2 Commercial air services

The Canadian flag carriers operating international and domestic air routes are Air Canada and CP Air, which together earn 68% of the total operating revenues of Canadian commercial air-carriers. The five regional carriers (Eastern Provincial