

7. *Antennas and Ground Systems*

The C.C.G. will provide and install the Loran-C Transmitting and Receiving Station antennas and ground systems. The transmitting antenna is to be constructed and erected in conformity with design specifications and erection criteria to be provided without charge by the U.S.C.G. Should the C.C.G. experience antenna procurement difficulties because the equipment is not readily procurable on the open market, the U.S.C.G. may provide the Loran-C Transmitting and Receiving antennas on a reimbursable basis.

8. *Training*

Required training of Canadian personnel will be provided by the U.S.C.G. on terms and conditions to be agreed upon. All related costs associated with travel, lodging and meals of Canadian personnel will be paid by the C.C.G. Any training not normally provided to U.S.C.G. personnel, however, will be funded entirely by the C.C.G.

9. *Operation and Maintenance*

Operation and maintenance functions of the completed station, and costs associated therewith are to be carried out and paid for by the C.C.G. with the exception of the communication links which will be paid for by the Co-operating Agency of the country in which the communication links are located. The C.C.G. will be responsible for proper operation of the station in accordance with standard Loran-C operating procedures and techniques to be provided without charge by the U.S.C.G., subject to any modifications agreed to after consultation between the Co-operating Agencies.

10. *Frequency Assignment and Technical Characteristics*

Application for the assignment of a Loran-C operating frequency for the Williams Lake Station will be the responsibility of the C.C.G. The technical characteristics are as follows:

- (a) Assigned frequency — 100 kHz
- (b) Transmitting Power — .44 Megawatt peak, transmitter duty cycle approximately 0.02
- (c) Emission 20 P 9
- (d) Power spectrum — In accordance with Article 5 No. 166 of the ITU Radio Regulations (Geneva 1959) at least 99% of the total power of the emissions shall be confined within the band 90-110 kHz and such emissions shall not cause harmful interference outside that band to stations operating in accordance with the aforementioned Radio Regulations.

11. *Time Schedule — Critical Dates*

The Williams Lake Loran-C Transmitting Station will be on air continuously transmitting signals at full power and in stable synchronization by January 31, 1977, or as near thereafter as possible.

12. *Charting*

The United States Government will provide the Canadian Government free of charge with the necessary charting data to permit the appropriate Canadian Agency to prepare and publish navigation charts covered by signals originating from the Loran-C chain of which the Williams Lake Transmitting Station is an integral part.

13. *System Accuracy Flight Check*

The U.S.C.G. will provide system accuracy flight check facilities to permit the initial accuracy check of the Loran-C chain of which the Williams Lake Station is an integral part. The cost of this initial check shall be shared equally by the U.S.C.G. and the C.C.G.