

ment locations, floor plans, bonding, ducting, floor loading, cable routing and other details and criteria peculiar to Loran-C Transmitting Station construction. The C.C.G. will construct, at C.C.G. expense, all buildings necessary to house the Loran-C electronic equipment and power generators equipment.

#### 6. *Primary and Standby Power, and Ancillary Equipment*

The C.C.G. will provide primary and standby electrical power suitable for operation of the Loran-C Station, and all ancillary equipment for the Station's operation. The U.S.C.G. will identify the power requirements of electronic equipment which it will furnish.

#### 7. *Antennas and Ground Systems*

The U.S.C.G. will provide the Loran-C Transmitting and Receiving antennas. The C.C.G. will install the Loran-C Transmitting and Receiving Station antennas and ground systems. The U.S.C.G. furnished transmitting antenna will be constructed in conformity with U.S.C.G. design specifications. The C.C.G. will erect the transmitting antenna in accordance with erection criteria to be provided without charge by the U.S.C.G.

#### 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 Cooperating 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 cooperating agencies.

#### 10. *Frequency Assignment and Technical Characteristics*

Application for the assignment of a Loran-C operating frequency for the Vancouver Island 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