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11th December, 1944.

MEMORANDUM TO:

WAR COMMITTEE OF THE CABINET.

**SECRET**  
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On September 22, 1944, the War Committee of the Cabinet gave approval in principle to a program for the procurement of thirty Type S.U. Radar Sets complete with Repeaters, Maintenance Spares and Associated Power Supply Outfits. The programme included fitting this equipment in twenty-five ships, the remaining sets to be used for training purposes.

2. This programme, estimated to cost \$3,550,000. was approved by the Honourable the Treasury Board on 5th October, 1944, by Treasury Board Minute T271048B.

3. The termination of hostilities in both the European and Pacific Theatres does not appear to be as close at hand as it did at the above mentioned date and there has also been a noticeable improvement in the operational performance and tactics of enemy submarines. It is therefore essential to ensure that our modern classes of ships are fitted with the most efficient equipment.

4. Based on the above, it has become necessary to review the position of the Royal Canadian Navy with respect to Radar and associated equipment. This review indicates that the fighting efficiency of the class of ship known as a Frigate is being adversely affected by the Radar equipment at present in use. Some of this equipment has proven unreliable in operational service, the remainder is quickly becoming worn out and unserviceable.

5. An additional forty-five sets (for details see Appendix A) will be required to fit the remaining frigates in commission and to provide sufficient equipments for training, maintenance, and replacements due to enemy action.

6. To arrive at the total cost of fitting ships with Radar, it is necessary to consider the following:

- (a) Cost of the main Radar Set, Repeaters & Maintenance Spares
- (b) Cost of installing (a)
- (c) Cost of associated apparatus for fire control, identification and power supply.
- (d) Cost of installing (c).
- (e) Cost of equipments required for training and maintenance.
- (f) Cost of equipments required as replacements due to enemy action.
- (g) Cost of additional associated apparatus that is at present under development.
- (h) Cost of modernization kits that will become available at a later date.
- (i) Cost of making structural changes to the ships involved to accommodate the equipment.

7. The estimated cost of the programme as outlined in paragraph 5 is \$6,871,470. (for details see Appendix B) none of which will come for payment during the current fiscal year.

8. The above programme is submitted for favourable consideration.

Respectfully submitted,

Minutes and Documents of the Cabinet War Committee,  
Volume XVI, July - December 1944, (R.G. 2, 7c, Volume 16)

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