

Chief, Electronics Engineering Division
Chief, Shore Units Division
Chief, Administrative Management Division

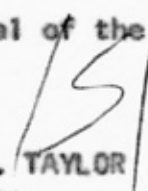
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Chief, Aids to Navigation Division

Loran Operating Instructions

1. Enclosed herewith are "Loran Operating Instructions" destined for publication in the "Aids to Navigation Manual," CG-222, as Appendix C thereto.
2. In January of this year, two officers from the Electronics Engineering Division and one from this division were given the task of formulating Loran operating instructions. Loran-A instructions were contained in CG-155, "Loran Station Operating and Maintenance Instructions" and in Commandant's Instructions 3123.5, 3123.5(sup. 1) and 3123.6. Loran-C instructions had never been published in a form applicable to all chains. The group studied existing instructions. Based on this study and their own experience, they produced a first draft of the present instructions which was routed in Headquarters. Comments from Headquarters personnel and from several field commands were utilized in writing the present version.
3. The instructions, as enclosed, are not a radical departure from present methods of operation. They merely collate instructions from various sources and present them in a form applicable to all stations of a particular Loran type. The organization of the Loran system is revised slightly to incorporate changes required by the multi-pair Loran-C chains. Reporting procedures remain virtually unchanged.
4. As mentioned, these instructions will be published in CG-222. They will supercede the publications mentioned in paragraph 2. Before publication, retyping and approval will be required. It is hoped that approval may be obtained with this memorandum, and that changes suggested may be incorporated prior to retyping, at which time the instructions will be placed in publishable form. These instructions are not final. Future plans call for evaluation during a trial period, revision of the instructions and revision of report forms. It is believed that the lack of universally applicable instructions in Loran-C requires immediate publication of these instructions.
5. Your comments on and/or approval of the instructions are requested.


S. E. TAYLOR
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