

**UNITED STATES COAST GUARD**

SAN FRANCISCO 26, CALIF.

Address reply to

COMMANDER WESTERN AREA  
630 Sansome Street  
San Francisco, California

MAR 5 1951

28 February 1951

**OPERATIONS**  
**AIDS TO NAVIGATION DIV.**

File: A9

From: Commander Western Area  
To: Commandant (OAN)  
Subj: Electronic Aids in the Pacific  
Ref: (a)H/L 18 October 1950, file OAN-1

1. In analyzing the enclosed reports, Commander R. D. Dean, temporarily assigned additional duty with ComWestArea, has this comment to make on their content:

"The enclosed questionnaires, relating to aircraft use of Pacific Aids to Navigation, in general, describe normally expected difficulties. Indications of inaccuracies of certain loran rates in some areas must be attributed to difficulties in reading the loran receivers or the improper matching of received pulses (sky with grd wave etc.). Difficulties in the Philippine Chain result largely from the routing of the aircraft over areas of the extended base lines where matching of ground and sky wave pulses often occur inadvertently. Rate 4H7 generally is not satisfactory as this area (Japanese Chain) is approached from the East (to Tokio) during daylight and the great distance to Okinawa prevents reception of the ground wave from that station. There is a need for plotting constant lines of skywave to ground wave correction in the area near Iwo Jima and Tokio for 4H6 and 4H7. Also, constant lines of correction for the skywave matches to the Northeast of the Hawaiian Chain would be of considerable value of aircraft. It will be noted that the new Marshall chain will be of considerable help in the Area between Midway and Honolulu.

Pertinent remarks have been added to some of the questionnaires by this office."

2. Additional questionnaires will be forwarded to Headquarters for information from time to time when received.

OAN	
1	Chief <i>ES</i>
	Asst. Ch. <i>ES</i>
	Picn.
2	Elect. <i>AK</i>
	Hydro.
	Publ.
	N. to N.
	Charts
	All
FILE <i>A/1</i>	

RECEIVED

MAR 7 1951

*A. J. HESFORD*  
By direction

Encl:

22 questionnaires  
AIDS TO NAVIGATION DIV.