

From: Commanding Officer, USCG LORSTA Sitkinak  
To: Commander, Seventeenth Coast Guard District (e)

September 1974  
17 Sept 1974

Subj: Loran-C Operations, Bimonthly Report Of

Ref: (a) CCGD17 (e) ltr 3930 dtd 5 July 1974

1. On 4 September, CAPT MANNING and his Loran 70's group arrived for a short inspection of the unit. CGD17 representatives were briefed informally as to station operations, problem areas ETC.
2. Three representatives from Intersea Research Inc of San Diego California were onboard this unit from 6 September through 11 September for installation of wave action monitoring equipment as per reference (a). The wave monitoring project is sponsored by a fourteen oil company consortium to provide sea action information to develop the most cost effective sea lanes for tankers carrying oil from Valdez, Alaska. The wave monitors have been mounted in the radio room with three receiving antennas and an anemometer mounted on the station buildings. The equipment is causing no problems with the loran equipment. The Intersea people anticipate a test period of 21 months. A representative will visit the station monthly to service the gear and extract information.
3. The standby power supply CDED-312-D has not arrived yet. There is some concern about damage to the batteries as they must be fast charged daily to maintain their charge.
4. CGD17 (eee) representative CWO2 GAY was onboard the station to tune our loran transmitter and antenna coupler. Also he installed two AN/URT-23 transmitters to replace the old AN/URT-17's. Extensive modifications were made to the radio room console. All equipment appears to be operating properly.
5. Mr GAY took some time to help the unit with our AN-FPN-41 timer problems and provided some good instructions in timer trouble shooting techniques. Many helpful suggestions were provided to help our technicians maintain the equipment better.
6. A revised watch schedule has been implemented for the ET's to provide a live ET watch 24 hours a day vice the on call ET system we had been employing. The new schedule complies with the manpower utilization program.

has been received D2

DB

3262

3 December 1974

From: Commanding Officer, USCG LORSTA Sitkinak  
To: Commander, Seventeenth Coast Guard District (o)

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1. On 20 November Sitkinak utilized 89 Minutes of scheduled off air time to replace two broken 100 amp circuit breakers supplying the isolation transformer to the timer room and panel B to the engine. During this period all station power was secured. The generator switchboard was thoroughly inspected and cleaned and is in excellent condition.
2. During the off air period the timer room wiring changes were completed in accordance with the COLAC installation instructions. Equipment is now operative through the use of the new circuit breakers. During this period AC power was run to the COLAC and the cesium rack using a portable generator. One minute after coming back on air, zulu signal returned to original tracks with no adjustments.
3. The plug in chopper relays for the AN FPN-41 timers have been in short supply. The average life for the Bristol relay is approximately one month. In order to prolong their useful life, we have been reconditioning them after failure. After unsoldering the top, CRC solution is squirted in. Then the CRC is drained and the top resoldered. Some of these relays have lasted as long as one month in the equipment after this simple cleaning. Most of our relays presently in use have been reconditioned several times with good results.
4. The motor operator for CBL in the 42 transmitter costs \$360.00. In the past this entire unit has had to be replaced for want of a set of motor brushes. The APL for the 42 transmitter does not list brushes or the limit switch. Both of these items could be replaced when defective rather than requiring replacement of the entire motor operator as is the present practice.
5. As part of the stations training program we have obtained from Decca Marine Inc. information on their DL-91 Loran C receiver. The information on loan from Decca consists of a 30 minute cassette and 80 slides. About half of the entire program is devoted to the basic principles of Loran operation. It is a good general information program which has been well received by the crew.

good

Brush failure is not a c  
but will investigate  
DE

good

tions, bimonthly report of

gauges in the engine room are now due for their semi-  
lubrication. These gauges will be sent out as soon as the  
procedure is determined. District (e) has been queried on  
matter.

7. The number 3 main engine generator still remains in a "for em-  
ergency use only" status. All parts ordered, with the exception of  
the slinger, have been recieved. A followup was sent out on the miss-  
ing part on 2 December.

8. Most personnel problems have been cleared up in the past week per-  
iod. HM3 NOTO finally recieved his HM2 correspondence course 93 days  
after his request for enrollment was submitted. MKC BOWMAN's service  
record, health record and Warrant Exam were returned after having  
been missent to Base Kodiak.

9. The Satellite Exchange system has begun to operate smoothly and  
the results are noticeable. While it is understood that other stations  
are having definite supply support problems, we are enjoying the benef-  
its of the wide selection of goods available through Kodiak Exchange.  
Regular request items are often supplemented with "goodies" from Kodiak  
Exchange, which has been a prime reason for increased exchange sales at  
this unit. We are now selling nearly \$7000.00 of merchandise each  
month vice \$4000.00 under the old system. While prices are consider-  
ably higher now, Kodiak Exchange has bypassed the initial stumbling  
blocks and is providing very good service to Sitkinak.

*J. S. Merrill*  
J. S. MERRILL

Copy to: CCGD17 (eee)  
COCO

*Noted AM 1/27*  
*good WJG 4/27*

3262

16 December 1974

From: Commanding Officer, USCG LORSTA Sitkinak  
 To: Commander, Seventeenth Coast Guard District (o)

Subj: Loran C Operations, Bimonthly report of

1. The engineroom switchboard voltmeter (WONO 43-4223-74) was received and installed on 2 December. The large scale deflection of the gauge should assist in maintaining accurate voltage settings when shifting primary station power.

2. 30 ampere circuit breakers have been installed in the timer room to replace the 20 ampere breakers for the AN/FPN-41 timers. Previously the outlets on the front of the timers could not be utilized as it would cause an overload and trip the undersize breakers.

3. We have no resistors onboard for 3AR124 and 3AR128 in the AN-FPN-42 transmitters. Sitkinaks spares were sent to ATTU and no replacements have arrived due to nonavailability at Brooklyn Supply Center. Though .07 uf capacitors are starting to come in, we will be unable to return to high power with out these resistors.

4. We presently have six expired PA tubes type 8597 onboard ready to be returned for rebuilding, however no packing cases are available. They will be returned as packing cases come available from new tubes arriving.

5. It is suggested that loran stations be provided with loran signal simulators to assist in timer alignment. The present system utilizing received signals is marginal and provides only 4 to 5 hours per day useable signal during winter months.

6. The stock number changes and inventory for the present ERPAL has been completed. To assist in part identity a part number to stock number cross reference list would prove valuable. Our attempts to locate this list have yielded nothing so far.

*J. S. Merrill*  
 J. S. MERRILL

Copy to: CCGD17 (eee)  
 COCO

Noted  
*ADD*

THE OUTLETS WERE TO BE REVIEWED

Rep-2 has no outstanding  
 heard of problem.

no request received by Sep

only list I know of that would acc  
 (emer) Consolidated Master Cross R  
 stations are not the distributi  
 don't think they have the  
 requirement to justify use