

LORAN STATION ATTU and other D17 LORAN A Stations

302242Z DEC 64
Assignment of LORAN A
operating Mode

Retrieved from NARA during SEP 2017
and
Posted to www.loran-history.info FEB
2018 by the LHI Team

Note: Legibility is minimal -

30 DEC 64 22 52Z
COMMUNICATION CENTER
237th COAST GUARD DISTRICT

NMJ19 NMJ18 NMJ20 NRW NMJ21 DE NMJ1

NMJ21 ZXY6

R 302242Z
FM CCGDSEVENTEEN
TO CGLORSTA OCEAN CAPE
CGLORSTA BIORKA
CGLORSTA SPRUCE CAPE
CGLORSTA CAPE SARICHEF
CGLORSTA ADAK
CGLORSTA ATTU

BT

UNCLAS

LORANA-A

A. TAB A TO APPENDIX VI TO ANNEX K TO CCGD17 OPLAN 1-65.

B. COMDTINST 3123.5.

1. COMMENCE TYPE THREE MODIFIED OPERATION EFFECTIVE 0001 LOCAL TIME 1 JAN 65. PARA ONE OF REF A WILL BE AMENDED.

2. COMPLY WITH TYPE THREE OPERATING INSTRUCTIONS CONTAINED IN REF B. TYPE THREE MODIFIED IS THE SAME AS TYPE THREE OPERATION EXCEPT THAT IT MAY BE MODIFIED TO INCLUDE AUTOMATIC TRANSMITTER SWITCHING. IT FURTHER REQUIRES THAT A WATCHSTANDER BE IN THE LORAN EQUIP BLDG WITHIN AURAL RANGE OF THE AUDIBLE ALARMS (EVEN THOUGH REMOTE ALARMS MAY BE PROVIDED).

3. AMPLYIFYING LETTER FOLLOWS.

BT

TOD 30/2253Z DEC

DE NRW. R

OERNMJ20 R

UBNMJ18 R

NMJ21 R

DE NMJ19 RGR AR

JB

ORIG O (LLD)

INFO E

30DEC64

SRS#2963

302242Z

UNITED STATES COAST GUARD



ADDRESS ONLY TO:

Commander
17th CG District
P.O. Box 2631
Juneau, Alaska

o
3262
Serial No. 2154
30 December 1964

From: Commander Seventeenth Coast Guard District
To: Commanding Officer, USCG LORSTA Ocean Cape
Commanding Officer, USCG LORSTA Biorka
Commanding Officer, USCG LORSTA Spruce Cape
Commanding Officer, USCG LORSTA Cape Sarichef
Commanding Officer, USCG LORSTA Adak
Commanding Officer, USCG LORSTA Attu

Subj: Loran-A Type 3 Modified operation; change of

Ref: (a) CCGD17 MSG 302243Z

1. The Commandant has stated that a review of Loran-A operations indicates that stations using type 4 operations have averaged fifty percent more unusable time than those using type 3 operation. Additionally, the temptation to violate safety regulations by attempting repairs when a second man is not immediately available is undesirable. Although watchstanding procedures at most loran stations in this district fulfill the intent of enclosure (1), all stations will change to type 3, modified operation.

2. Enclosure (1) defines type 3 modified as the same as type 3 operation except that it may be modified to include automatic transmitter switching. However, it further requires that a watchstander be in the loran equipment building within aural range of the audible alarms (even though remote alarms may be provided).

3. Reference (a) directed all stations to commence type 3 operation as defined in COMDTINST 3123.5, modified as indicated above effective 0001 Local time 1 January 1965. The station organization should assure that a qualified watchstander is present in the timer-transmitter building at all times, and that a technician is on immediate call at all times.

L. L. Davis
L. L. DAVIS
By direction

Encl: (1) Copy COMDT (OAN-3) ltr of 12-22-64

UNITED STATES COAST GUARD

see has copy

ADDRESS REPLY TO:
COMMANDANT
U.S. COAST GUARD
HEADQUARTERS
WASHINGTON 25, D.C.



RECEIVED

DEC 24 1964

OAN-3

AIDS TO NAVIGATION
17th CG DISTRICT

DEC 22 1964

From: Commandant
To: Commander, Seventeenth Coast Guard District (o)

Subj: Assignment of Loran-A Operating Mode

1. Loran-A operating instructions call for four modes of operation depending on the equipment installed. The specified modes are:

TYPE 1: All functions performed manually under continuous watch by station personnel.

TYPE 2: Synchronization is performed automatically; all other functions are performed manually under continuous watch by station personnel.

TYPE 3: All functions except transmitter switching are performed ^{automatically} manually. One watchstander is required to be in the Loran equipment building within aural range of the audible alarms.

TYPE 3, Modified: In certain cases type three operations may be modified to include automatic transmitter switching.

TYPE 4: All functions are automatic. A watchstander must be on the station within aural range of any of the authorized and installed alarms.

Selection of the proper type of operation to be used must be predicated on operational results, safety of operation and availability of personnel as well as the equipment installed.

2. A review of Loran-A operations disclosed that stations using Type 3 operation averaged 119 minutes of unusable time while those operating Type 4 averaged 183 minutes of unusable time per month. As to safety; some Type 4 stations are manned by only 4 men. It is possible that at the time of a failure, 3 of the crew will be absent from the station. The lone watchstander is then faced with a dilemma. Should he attempt to repair equipment alone he violates safety regulations at the risk of serious injury or worse. Should he await the return to the station of another to standby and back him up while repairs are undertaken, he knows that the delay will increase

COMDT (OAN-3) ltr of

DEC 22 1964

unusable signal time. In the light of emphasis placed on reliability of signal the lone watchstander may attempt repairs single handed with attendant and unacceptable risks to his own safety.

3. The minimum manning to support Type 3 operations is considered to be six (6) men; four (4) men for the live watch and two (2) maintenance personnel. Non-rated personnel are considered capable of being trained and utilized for the Loran watches.

4. The complements of the Type 4 stations have been reviewed. Within the Seventeenth District, the following stations, now operating Type 4 are considered to have sufficient personnel for Type 3 Modified operation.

OCEAN CAPE Loran-A Station
BIORKA Loran-A Station
SPRUCE CAPE Loran-A Station
CAPE SARICHEF Loran-A Station
ADAK Loran-A Station
ATTU Loran A-C Station

It is requested that the above stations be directed to institute Type 3 Modified operation. If you have any comments in refutation of the foregoing analysis and estimate of the available personnel, they are requested.



B.R. RYAN
By direction