

# LORAN STATION ATTU and other D17 LORAN A Stations

302242Z DEC 64  
Assignment of LORAN A  
operating Mode

Retrieved from NARA during SEP 2017  
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2018 by the LHI Team

Note: Legibility is minimal -

30 DEC 64 22 52Z  
COMMUNICATION CENTER  
27th 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

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DE NRW. R  
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ORIG O (LLD)

INFO E

302242Z

30DEC64  
SRS#2963

www.loran-history.info

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 363243F

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 last 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 23 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 ~~manually~~ <sup>AUTOMATICALLY</sup>. 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

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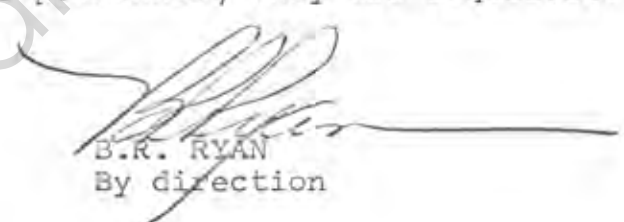
unusable signal time. In the light of emphasis placed on reliability of signal the lone watchstander may attempt repairs single handed with attendant and unacceptable risks to his own safety.

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