

TREASURY DEPARTMENT
U. S. COAST GUARD
OFFICIAL DISPATCH

OSU

TRANSMIT

7-12

DATE 16 JUNE 1950

FROM	COMMANDANT(SEE) TO (FOR ACTION) CDR 14TH CG DISTRICT (SEE) TO (FOR INFORMATION)	SECRET
		CONFIDENTIAL
		RESTRICTED
		URGENT
		PRIORITY
		<input checked="" type="checkbox"/> ROUTINE
		DEFERRED
		MAILGRAM
		ACKNOWLEDGE
		URGENT
	PRIORITY	
	ROUTINE	
	DEFERRED	
	MAILGRAM	
	ACKNOWLEDGE	
MAIL TO		
TELEPHONE TO		
MESSENGER TO	ECV OSU ✓ UAN L	

OUTGOING HEADING

161448

TEXT

REF YOUR DISPATCH 132130Z ACTION HAS BEEN TAKEN TO ACQUIRE LORAN SITES X SEE TO SEE LAYOUT YOUR DWG FOURTEEN DASH WAKE DASH ZERO ZERO TWO APPROVED BUT BELIEVE LOW SIGNAL STRENGTH BASED ON YOUR LATE ELECTRONICS REPORT AT WAKE ISLAND WARRANTS EXCEPTIONAL REARRANGEMENT ALONG FOLLOWING LINES FOR REASONS GIVEN WITH EACH X LORAN TRANSMITTING BUILDING MAY RERADIATE LOCAL TRANSMITTER SIGNAL AND BEING SO CLOSE TO COMB MAY CAUSE DISTORTION IN RECEIVED SIGNAL IN COMB X DUAL COMB ARRAY COULD BE ERECTED ON BASE LINE BY CUTTING PRESENT COMB AT NINTH ELEMENT COMMA MOVE EIGHT NORTH ELEMENTS AND BUILDING SECOND NINE ELEMENTS EAST OF AND PARALLEL TO PRESENT ARRAY X SINGLE VERTICAL RECEIVING ANTENNA COULD BE IMPROVED BY APPROXIMATELY 20% IN ELIMINATING LAND ATTENUATION BY MOVING ITS SITE WEST OF GROUND SYSTEM AND LOCATING NEAR SOUTH SHORE X CHANGE OF COMB REQUIRES ADDITIONAL LAND X ADVISE PRACTICABILITY OF PROCURING ADDITIONAL LAND EAST OF PRESENT SITE X IF COMB NOT YET CONSTRUCTED A SOMEWHAT LARGER AREA THAN SUGGESTED ABOVE COULD ACCOMMODATE DUAL COMB LOCATED STILL FURTHER AWAY FROM OTHER OBJECTS AND BUILDINGS X ADVISE IF ADDITIONAL LAND PROCUREMENT EASTWARD FOR THIS CONDITION PRACTICABLE

JUN 16 1950

TO: 161448 # 20 16-50
OPERATOR'S RECORD

MR. E. A. GOODWIN
OFFICE OF ORIGIN:

LAWRENCE M. HARDING, CAPT, USCG
INITIALS OF RELEASING OFFICER
Div.

TIME RELEASED:

387159

U. S. COAST GUARD

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TEXT

EEE TO EEE X YOUR 161448Z X ADDITIONAL LAND PROCUREMENT NEAR
 PROPOSED PEALE SITE NOT PRACTICABLE X SINCE TERRAIN AND EXISTING
 STRUCTURES MAKE CMD PROHIBITIVE FOR CLEARING FOR COMB ANTENNA
 CHANGES SUGGESTED X EST MINIMUM 75 THOUSAND DOLS X RECOMMEND
 ELIMINATION POSSIBLE EFFECT RE-RADIATION SIGNAL BUILDING MORE
 PRACTICAL THIS CASE X FURTHER RE-RADIATION DISTORTION IN COMB
 POSSIBLE FROM EXISTING STEEL SKELETON STRUCTURES AND PROXIMITY
 MAIN ANTENNA TO LAST COMB ELEMENTS X DO NOT RECOMMEND LOCATION
 RECEIVING ELEMENTS TOO CLOSE TO CAA HHW TOWER TO EAST OF STA
 X EASTWARD TRANSLATION OF COMB PORTION MEETS UNFAVORABLE SHORE LINE
 DIRECTION REQUIRING EITHER STAGGERING OF SECTIONS OR EXTENDED
 GROUND RADIALS FORWARD OF EAST SECTION TO SEA X NEW SUBJ X LOCATION
 SINGLE VERTICAL (MONITOR) REC ANT PROMPTED BY DESIRABILITY BASELINE
 EXTENSION MEASUREMENTS DIRECTLY X ALMOST COMPLETE GROUND PLANE TO SEA
 PLUS CAA TESTED HIGH SOIL CONDUCTIVITY INDICATES LAND ATTENUATION
 PROBABLY LESS THAN 20 PCT PGEDICTED URDIS X CONCRETE POLE SOCKET
 ANCHORS AND GND RADIAL SYSTEM ALREADY COMPLETED X INDICATED
 RELOCATION INVOLVES EITHER EXPENSIVE REMOVAL EXISTING BLDG SKELETON

U. S. COAST GUARD

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PAGE TWO BHPJ 6

TEXT

ACCEPTANCE LOW GROUND ELEVATION WHICH NOT RECOMMENDED X NEW SUBJ X
BELIEVE LAYOUT SHOWN DWG 14-WAKE-002 PRACTICAL SOLUTION AND

REQUEST UNQUALIFIED APPROVAL FOR PRESENT BASED ON EXCESS COST
OF CHANGES AND FURTHER DELAY IN CONSTRUCTION

REF:

REF YOUR DISPATCH 132130Z ACTION HAS BEEN TAKEN TO ACQUIRE
LORAN SITES X EE TO EEE LAYOUT YOUR DWG FOURTEEN DASH WAKE
DASH ZERO ZERO TWO APPROVED BUT BELIEVE LOW SIGNAL
STRENGTH BASED ON YOUR LATE ELECTRONICS REPORT AT WAKE ISLAND
ETC

EEE

L M H

CFN 1514472) 75 20 14-WAKE-002

17/0038Z JUN BHPJ

OPERATOR'S RECORD AND DATE

RRWC 1950

OFFICIAL INITIALS

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U. S. COAST GUARD

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TREASURY DEPT.

BEP 15T
BHP A34 ZZRR BEPJC
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DE BHPJ 8FROM 300225Z
FM CCGD FOURTEEN

ACTION TO COMDT COGARD

GRNC

ROUTINE

TEXT

D TO E X AS RESULT CONFERENCES IN DISTRICT WITH CDR BRUNNER
X DISTRICT UNLESS OTHERWISE DIRECTED PROCEEDING WITH FOLLOWING

CHANGES ANTENNA SYSTEMS WAKE LTS X RELOCATING REMOTE
LORAN RECEIVING ANTENNA TO SITE 380 FEET BEARING 313

DEG FROM LORAN TRANSMITTING ANTENNA X RETAIN ORIGINAL
RECEIVING ANTENNA LOCATION SITE FOR LORAN MONITORING ANTENNA

X LOCAL CAA ADVISES THEY WILL UNDERTAKE CLEARING AND GRADING OF
ADDITIONAL LAND REQUIRED TO RELOCATE LORAN COMB ANTENNA APPROX-

IMATELY 700 FEET SOUTHEASTERLY FROM LORAN TRANSMITTING ANTENNA
X COMB ANTENNA TO CONSIST OF 18 ELEMENTS X ALL INTERFERING

GROWTH AND BUILDING STEEL SKELETONS WILL BE CLEARED 35 DEG
TO BOTH SIDES COMB FROM MOST NORTHERLY ELEMENT X COST APPROX

22000 DOLS X COMPLETION DATE 30 OCT X THESE CHANGES IN LINE
WITH COMDT DISPATCH 161448Z JUN X RECONSIDERATION OF OUR

170038Z JUN IS DUE CMA CONFERENCE CMA LOWER COST CLEARING GRADE CMA
POSSIBLE HIGH POWER LORAN INSTALLATION X REQUEST TOTAL APPROVED

COST 2609 ECV-608-50 BE INCREASED TO 26305 DOLS X DISTRICT WILL
REEVALUATE REMAINING PROJECTS TO REDUCE COSTS ACCORDINGLY

REF/161448Z/ REF YOUR DISPATCH 132130Z ACTION HAS BEEN TAKEN TO
ACQUIRE LORAN SITES X EEE TO EEE LAYOUT YOUR DWG ETC

OPERATOR'S RECORD AND DATE

30/0242Z AUG BHPJ EEE L M H

OFFICIAL INITIALS

AMMR 1950

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