

10 FEB 1961

**CONFIDENTIAL**

From: Commandant

To : Commanding General, Air Force Missile Test Center, Patrick Air Force Base, Florida

Subj : Loran-C Station, Jupiter, Florida; change in status<sup>1</sup>

Ref : (a) Commandant, Coast Guard ltr EEE-4, Ser. 07450EEE of 30 September 1960

1. This letter supplements reference (a) in which this headquarters indicated that the Coast Guard desired to locate a LORAN A-C transmitting station on the Jupiter Inlet reservation. Reference (a) also recognizes the fact that the establishment of a LORAN-C transmitting station on this property would aggravate an existing problem in the Atlantic Missile Range cable caused by transmissions from a Coast Guard LORAN-C station two nautical miles distant from the Jupiter Inlet relay station. After having studied the various ramifications of the problem and in particular the impact of this planned Coast Guard move on the missile range program, the Coast Guard has decided to actively explore the possibilities of an alternate location for the LORAN A-C station. The alternate site being investigated is at the Northern end of Jonathan-Dickerson State Park with an approximate LORAN-C antenna location of 29° 02' North Latitude, 80° 07' West Longitude, some five and one-half nautical miles distant from the AMR cable terminal at Jupiter Inlet. Although such a move will aggravate some of its own problems, it is anticipated that interference to cable transmissions in the vicinity of 100 KCS will be the same order as now experienced from LORAN-C transmissions originating from the LORAN-C antenna in its present location even though the power will be increased by 4 to 7 decibels.

2. The investigation as outlined in paragraph 1 is being urgently pursued in the light of an "on-air" operational requirement of 1 January 1962. Your comments on the above move are requested at an early date.

A. C. RICHMOND

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<sup>1</sup> Transcribed from original located at NARA, Washington, D.C.