

From: Wayne Morris

To: Behnam Ghaffari

Date: November 17, 2014

Subject: FCC File No. 0797-EX-PL-2014

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Message:

Reference: File# 0797-EX-PL-2014

Applicant: L3 Communications

Applicable Federal Contract# 1G16384.01.01.02 (USAF)

POC: Jarrett Teel (903-457-3327)

The purpose of this application is to access a wide range of frequencies in the HF spectrum in order to calibrate detection/direction finding (DF) system(s) on DoD Intelligence/Surveillance/Reconnaissance (ISR) airborne aircraft.

An existing/registered antenna will be utilized to stream a carrier signal via these frequencies to the aircraft in flight at various distances and altitudes from the antenna while the aircraft is being tracked on radar to determine (1) if the signal(s) can be detected and (2) if detected can be DF'd to within several meters of the source. Dwell time on any given frequency is 26ms. The only time testing is required is post installation of system(s) or to verify upgrades to same.

Calibration of these systems is critical to pre deployment of these aircraft into the theater(s) of operation.

Effort supports

US war on terrorism.