

To: Gary Amaral  
E-Mail: Gary.Amaral@l-3com.com  
From: John Kennedy  
Date: October 28, 2005

Subject: FCC File # 0307-EX-PL-2005

---

-----  
Message:

Dear Mr. Gary Amaral:

1. Please submit a justification for a five-year experimental license (five years (60 months) is the maximum length of time that an experimental license may be granted).

2. If you have not already done so, please report the following to the FAA Western Pacific Regional Office for frequencies 1010 MHz, 1030 MHz, 1060 MHz and 1090 MHz (if possible, please obtain and report the FAA Regional Office's NGT numbers for this coordination in your response to this correspondence):

- peak envelope power (PEP);
- type of antenna;
- transmit antenna gain;
- elevation above sea level of the antenna site;
- height above ground of the focal point of the antenna;
- antenna polarization;
- the azimuth that the antenna is pointed or appropriate designator to indicate whether the antenna is rotating, non-directional, etc.;
- pulse repetition rate (PRR) that the equipment is capable of operating on to include PRR stagger sequences if appropriate, whether the PRR is adjustable and what PRR's the equipment can accept, and any other information that would be helpful in understanding the pulse characteristics of the equipment;
- pulse width;
- equipment nomenclatures;
- whether the equipment is capable of blanking transmissions in certain azimuths and any limitations with respect to blanking;
- radius of operations if appropriate;
- detailed description of the proposed operation to include any technical parameters that will be altered during operations.
- will interrogations (transmissions) be made on 1090 MHz as well as 1030 MHz (airborne transponders typically only transmit on 1090 MHz and receive on 1030 MHz)?
- if transmissions will be made on 1030 MHz, in what modes of operation will the transmitter operate (Modes 1, 2, 3A, 3C, 4, 5, Mode-S)? Is this a TCAS and is TCAS the only reason why the 1030 MHz transmissions are needed (airborne Mode 4 and/or 5 operations will be very difficult if not impossible to authorize and airborne Mode-S is not authorized)?
- to whom is this product being sold (is this confined to overseas customers or US customers)?
- does the waveform meet all of the required ICAO Annex 10 requirements and appropriate RTCA Document?

The items indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the requested information within 30 days of October 28, 2005 may result in application dismissal pursuant to Section 5.67 and forfeiture of the filing fee pursuant to Section 1.1108.

DO NOT Reply to this email by using the 'Reply' button. In order for your response to be processed expeditiously, you must upload your response via the Internet at <https://gulfoss2.fcc.gov/prod/oet/cf/els/index.cfm> by clicking on the "Reply to Correspondence" hyperlink.

Responses to this correspondence must contain the Reference number : 3972