

To: Edwin Deady
E-Mail: edwin.h.deady@lmco.com
From: John Kennedy
Date: August 09, 2004

Subject: FCC File # 0456-EX-ST-2004

Message:

Dear Mr. Edwin Deady:

Please answer the following for the FAA:

- What is the pulse repetition rate and associated characteristics (staggered, jittered, fixed?) if transmitting 1030 MHz.
- If this is airborne--what is the max altitude they want to fly.
- Is the antenna omni-directional--please confirm.
- Do they want to interrogate (transmit) on 1030 MHz as well as 1090 MHz--airborne transponders typically only transmit on 1090 MHz and receive on 1030 MHz
- If they are transmitting on 1030 MHz, what modes of operation do they want to operate in (Modes 1, 2, 3A, 3C, 4, 5, Mode-S ?) Is this a TCAS and that is all that the 1030 MHz transmissions are needed for? Airborne Mode 4 and/or 5 operations will be very difficult if not impossible to get authorization for and airborne Mode-S is not authorized.
- Who is this product going to be sold to? 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?
- If this is for a long term testing program, why are they only asking for a temporary license? What is the real time requirement?

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 August 09, 2004 may result in application dismissal pursuant to Section 5.67 and forfeiture of the filing fee pursuant to Section 1.1108.

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Responses to this correspondence must contain the Reference number : 3150