

**Behnam Ghaffari**

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**From:** John 1 Adams [john.adams@raytheon.com]  
**Sent:** Thursday, August 16, 2007 7:57 PM  
**To:** Behnam Ghaffari  
**Subject:** Fw: FCC File No. 0272-EX-PL-2007 [Reference Number: 5201]  
**Importance:** High  
**Follow Up Flag:** Follow up  
**Flag Status:** Red

Ben,

I have tried several time to get in touch with the FAA Western Regional Office to coordinate this system, because of the classification I am traveling to California next and will try to get in touch Mr. Bradfield. Please give me until Monday 8/27/07 if I cannot get this information to you by that time I would ask you dismiss and we will start this process over.

Please contact me regarding this application and not Mr. Stephens.

Thanks!

Sincerely,

John

**John F. Adams**

Networked Communications Systems Engineering  
 Sr. Principal Systems Engineer/NCS Spectrum Manager

**Raytheon Company**

2620 Flagstone Court  
 Shelby, N.C. 28152  
 803.318.0021 office  
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[John.adams@raytheon.com](mailto:John.adams@raytheon.com)

----- Forwarded by John 1 Adams/US/Raytheon on 08/16/2007 07:51 PM -----

**David Stephens/RWS/Raytheon/US**

To John 1 Adams/US/Raytheon@MAIL

cc

07/18/2007 04:16 PM

Subject Fw: FCC File No. 0272-EX-PL-2007 [Reference Number: 5201]

John - got this in a few minutes ago.....did you have a copy of this reference document?  
 do you know what this is in reference to?.....maybe the upcoming las crusas testing??  
 thx,  
 dave

8/17/2007

----- Forwarded by David Stephens/RWS/Raytheon/US on 07/18/2007 01:14 PM -----

**Generic Office of Engineering Technology**  
 <oetech@fccsun27w.fcc.gov>

To dstephens3@thalesraytheon-us.com

cc

Subject FCC File No. 0272-EX-PL-2007 [Reference Number: 5201]

07/18/2007 06:23 AM

Mr. Stephens,

Please provide the following information:

1. Submit a confidentiality request in accordance with the rules in CFR 47, Section 0.459(b) that lists the nine questions and responses. Please attach your response in Q and A format.
2. Submit an exhibit as an attachment to this application describing in great detail the purpose of this experiment.
3. Report the actual ERP instead of Output Power.
4. Prior coordinate the use of the frequencies 1030 MHz and 1090 MHz with the Southern Region (ASO) FAA Regional Office. Please obtain the NGT number(s) from the FAA Regional Office at the completion of the coordination and report it in your response to this correspondence. Please report the parameter below in your coordination with the FAA Regional Office:
  - 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)?

Confirmation Number: EL599631  
 Behnam.Ghaffari@fcc.gov

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 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 07/18/2007 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://gullfoss2.fcc.gov/prod/oet/cf/els/index.cfm> by clicking on the 'Reply to Correspondence' hyperlink.

All references to this correspondence must contain reference number 5201

8/17/2007