

To: Douglas Yarbrough
E-Mail: douglas.yarbrough@boeing.com
From: Leann Nguyen
Date: April 11, 2012

Subject: FCC File# 0573-EX-PL-2011

Message:

As International Bureau (IB) requested, please answer/explain all the following questions:

1. Spacecraft is described as consisting of two 3cube elements--it's not clear whether they are connected, or whether IB are being asked to authorize 2 spacecraft. It is also unclear whether the quoted collision risks are for a single satellite or aggregate.
2. There is a stainless steel actuator with an unspecified "working fluid". What the fluid is and what its characteristics are if it leaks, i.e. does it evaporate or does it turn into little "debris balls".
3. IB needs a list of all surviving fragment(s), if any, including the mass and size of each surviving fragment(s), and an analysis of the probability of human casualty. If there is surviving debris IB would need to discuss/understand insurance and indemnification arrangements.
4. Submit an analysis of collision risk during the orbital lifetime of the satellite(s); as it is Boeing get by with saying there is a low collision risk basically due to short mission life.

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 April 11, 2012 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://apps.fcc.gov/oetcf/els/index.cfm> by clicking on the "Reply to Correspondence" hyperlink.

Responses to this correspondence must contain the Reference number : 16645