

To: Steven Davis
E-Mail: steve@spacex.com
From: Doug Young
Date: June 24, 2015

Subject: Request for Info - File #0356-EX-PL-2015

Message:

Please address the following FCC International Bureau's concerns:

1. The applicant seeks confidential treatment for all exhibits other than a narrative describing the experiment. The request includes the orbital debris assessment. This is information routinely provided by other applicants, and is generally not considered competitively sensitive. The applicant should either provide an expanded justification for confidential treatment or provide the debris mitigation information in a public document. (Any expanded justification should address why this information is particularly competitively sensitive for SpaceX, and why the public interest is served by not revealing this information.)
2. Please clarify spacecraft mass, which is at one point stated as 65 kg, and in another as 58 kg. (Perhaps due to inclusion of solar arrays in one figure and not the other?) Please submit a DAS analysis for the spacecraft orbital lifetime based on the spacecraft average cross-sectional area, which is described in the application as 1.66 m² in a fully deployed configuration. Please also submit an analysis for an un-deployed configuration (no deployment of solar arrays, antennas, etc.).
3. Please submit an estimate of the probability of a spacecraft collision with large objects (DAS will provide this output), for both a fully deployed and a fully un-deployed scenario.
4. Please indicate whether SpaceX will designate a point of contact for receiving JSpOC conjunction assessments. Please indicate whether this stabilized spacecraft will be capable of orbital adjustment, upon ground command, by altering its cross-sectional area in the vector of motion, or through other means. Please indicate whether SpaceX has developed or will develop plans for collision avoidance activities, should such activities become necessary.

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 June 24, 2015 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 : 28477