

From: Brian Gunter

To: Doug Young  
Date: June 08, 2016

Subject: Request for Info - File #0311-EX-PL-2016

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Message:

- 1) A SpaceCap .MDB file has been created for the RANGE mission, and has been emailed to Douglas Young in a .zip file at the address provided in the original correspondence. It was unclear what exactly was needed for certain fields, so please contact me again if additional information is needed.
- 2) The satellites are currently set to carry a compact camera (ArduCam) for inspection of the satellites after separation and for educational/promotional purposes. An application for a NOAA license was submitted back on 5/4/16, and this is still under review. If the application is approved, then we will notify you. If it is not approved, then the camera will be deactivated on orbit or removed from the satellites before launch (the camera is a non-critical payload, and is not needed to satisfy the mission objectives).
- 3) An ODAR report for the RANGE mission has been submitted together in the same .zip as the SpaceCap file.
- 4) Frequency coordination letters have been obtained from the IARU for both RANGE-A and RANGE-B. A copy of these letters has been included in the same .zip file containing the other documents of this response.
- 5) The reason there are two non-stationary space stations listed is because the RANGE mission consists of two identical 1.5U cubesats (RANGE-A and RANGE-B) that will fly in a leader-follower formation, i.e., the same altitude, inclination. For the first few months, the satellites will be flying in close proximity to each other (tens to hundreds of meters), but may drift to tens to hundreds of kms if the mission continues to operate nominally. Both satellites will make use of the same ground station here at Georgia Tech.

In addition to the above items, the requested cost recovery letter and ITU cover letter is included in the .zip file, as well as the NTIA documents.

If you need additional information or clarification on the items submitted, please contact me.

Regards,  
Brian Gunter  
Georgia Tech