To: Austin Williams
E-Mail: Austin@Tyvak.com
From: Leann Nguyen
Date: July 30, 2015

Subject: FCC file 0467-EX-PL-2015

Message:

The following checklist identifies supporting information that is typically required for CubeSat applications.

CubeSat checklist
1.   Orbital Debris Assessment Report (ODAR). See http://orbitaldebris.jsc.nasa.gov

2.   Spacecap data file. A draft (Appendix 4) notification for submission to the International Telecommunications Union (ITU) Radio Regulations. The draft notification should be prepared using the ITU software "SpaceCap," which can be downloaded from the following link: http://www.itu.int/en/ITUR/software/Pages/spacecap.aspx.

3.   Spacecap letter [link to example, Spacecap.ITU.API.Cover.Letter.Format.pdf]

4.   Cost recovery letter [link to example, ITU.Cost.Recovery.Letter.Format.pdf] https://apps.fcc.gov/edocs_public/attachmatch/DA-01-2435A1.pdf

5.   A NOAA license is required for satellites with imaging capabilities. See http://www.nesdis.noaa.gov/CRSRA/licenseHome.html

6.   An International Amateur Radio Union (IARU) coordination letter is required, if using amateur bands. See http://www.iaru.org/satellite.html

7.   Applications requesting use of federal or shared government frequencies must submit additional technical data. [link to NTIA data exhibit, SatelliteNTIAformatdata.pdf]

8. Transmitter Antenna:
  - Location
  - Apogee and Perigee
  - Polarization
  - Orientation
  - Dimension: Gain, Beamwidth, Azimuth, Elevation, Height...

9. Receiver Antenna:
  - Location: lat/long, city, state.
  - Polarization
  - Orientation
  - Dimension: Gain, Beamwidth, Azimuth, Elevation, Height...

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 July 30, 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 :   28893