

To: Austin Williams  
E-Mail: Austin@Tyvak.com  
From: Leann Nguyen  
Date: July 14, 2016

Subject: Request for Info - File # 0399-EX-PL-2016

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Message:

IB/SD has reviewed the Tyvak Nano-Satellite System Inc. CICERO cubesat and they have a number of questions below.

ODAR

- the ODAR on the first page has a "PROPRIETARY DATA RIGHTS NOTICE" that is inaccurate and should be removed.
- NO propulsion system on this cubesat (page 9); however, Appendix A (page 21) talks about Propulsion Module Failure. {This may be a cut and paste from the other cubesat NanoAce ODAR; please remove the pages related to propulsion and resubmit an updated ODAR to the FCC.

Form 442, SpaceCap API filing

- Form 442 does NOT contain any earth station location or parameters; applicant needs to update form 442 and add all earth stations and associated parameters.
- Form 442 has emission designator as 40K9G1D; SpaceCap API file has it as 16K5G1D; applicant needs to verify which is correct and update one of the files.
- SpaceCap API filing has an E/S parameters of max gain 16.2 dBi, 27 deg; CL; NO min elev angle value was provided in the SpaceCap API filing; these E/S parameter are in the NanoAce SpaceCap file; Can the applicant explain why this information is missing from CICERO's SpaceCap file? Please verify and update the SpaceCap API file.
- [in NanoAce SpaceCap API file E/S max power is 200 watts]; however, SpaceCap API E/S max power is 3 watts; Is this a mistake? Please verify and update the file accordingly.
- the SpaceCap API file has identify the station as Amateur (EA) and EESS (EW); however, we suggest changing it to Space Telecommand (ED) and Space Telemetry (ER) because it seems more appropriate but it not mandatory since operation is under RR 4.4.
- other discrepancy is the antenna polarization; please check all the antenna polarization and make the appropriate change;

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 14, 2016 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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