

From: Liam David

To: Leann Nguyen

Date: July 05, 2018

Subject: Request for Info - File # 0460-EX-CN-2018

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Message:

I, Michael Piccione; mspiccione@fcps.edu, am writing on behalf of my student Liam David, the applicant of the license. I am an instructor at Thomas Jefferson High School and the lab director heading up the CubeSat construction. I first ask for an extension till 7-20-2018 on determining more information since I will be out of electronic contact for the next week. We have been working with Joseph Godles; JGodles@g2w2.com, of a telecommunications law firm for Iridium. We are unfamiliar with the Space Cap system and the Cost Recovery Letter and we are not sure what is required. This satellite has no imaging capabilities and I can include the NOAA letter if needed. This application is for the use of an experimental license to use an Iridium 9603 short burst data modem in LEO on the small satellite TJREVERB. The modem communicates, in a proprietary manner, on the LEO Iridium Satellite network at 1621.25MHz which then relays the signal from their satellite to their ground station on a different frequency where the data is stored on a server for us to retrieve. Their data transport method is proprietary to Iridium and we are unable to provide that information. We filed for the experimental license so that Iridium can be requested to file an STA so that the modem can be used at an altitude greater than 70Km and they should be able to. The antenna information was provided in the application but if needed it can be supplied again. This radio is for testing purposes and is not intended to be used as primary control to the satellite due to intermittent connectivity.

A different Thomas Jefferson student, Madeline Beauvais; m.ea.beauvais@gmail.com, also filed for an amateur license under FRN 0026584771, for TJREVERB and ground station using a VHF radio on 145.825 using the APRS packet system and included the necessary documentation in that application. This radio will be our main method of command and both radios can be terminated upon request. Please contact Liam, Madeline, and myself if at all possible with further questions. Please let us know what other information we can provide. Thank you.