**Form 442 Question 6: Description of Research Project** (Form 442 Experimental License Request)

Applicant: Globalstar, Inc.
Form 442 File Number: 0783-EX-CN-2018

The objective of the Globalstar Form 442 Experimental License request is to support communications for the Space Dynamics Laboratory CIRis CubeSat mission. The objectives of the CIRis project are presented in the Experimental License Application submitted by Space Dynamics Laboratory for the CIRis CubeSat mission, FCC File 0449-EX-CN-2017.

**Background:**

This request is related to a Form 442 request (FCC File No. 0449-EX-CN-2017) filed by Space Dynamics Laboratory.

In its request, Space Dynamics Laboratory sought authority to operate a Globalstar GSP-1720 transceiver module (FCCID J9CGSSDVM). These transceivers are integrated into the CIRis CubeSat which will be launched into low-earth orbit. Data collected by the CIRis CubeSat will be transmitted by the Globalstar module and relayed to the mission operations center by means of the Globalstar system constellation and the associated ground infrastructure.

In this Experimental License request, Globalstar seeks authority, in connection with the aforementioned CubeSat mission Form 442 application, to:

1. receive transmissions from the licensed transmitter modules and to relay the data to the mission operations center
2. transmit information to the CIRis CubeSat

The only change from Globalstar's currently licensed operations is that the Globalstar constellation will be sending/receiving transmissions to/from FCC-approved terminals located on a space station rather than communicating with these terminals from their usual earth-based location. Globalstar's License does not cover space-to-space operation, thus requiring this Experimental License request.

It is anticipated that the CIRis CubeSat mission will be in orbit for approximately 12 months. Space Dynamics Laboratory will notify the FCC of the dates of actual operation, once those dates have been established.

**Contact Person:**

David Weinreich Manager, Spectrum and Regulatory Engineering Phone:301-651-4552
E-Mail:david.weinreich@globalstar.com