

Description of Research Project (FCC Experimental License Request)

Applicant: **Globalstar, Inc.**

FCC_File Number: **1614-EX-ST-2020**

in support of: **[Spaceflight, Inc., Sherpa Fx1 Tag, File SAT-STA-20200728-00089](#)**

The objective of this Globalstar Request for Special Temporary Authority is to support communications for the [Spaceflight, Inc., Sherpa Fx1 Tag](#) mission. The objectives of the [Sherpa Fx1 Tag](#) project are presented in the Special Temporary Authority Application submitted by [Spaceflight, Inc.](#) for the [Sherpa Fx1 Tag](#) mission, FCC_File [SAT-STA-20200728-00089](#).

Background:

In its request, [Spaceflight, Inc.](#) sought authority to operate [Qty 1](#) of [Globalstar STX-3 \(FCCID L2V-STX3\)](#), currently integrated into the [Sherpa Fx1 Tag](#) system. Information transmitted by the [Sherpa Fx1 Tag](#) system will be relayed to the [Sherpa](#) Mission Operations Center by means of the Globalstar system constellation and the associated Globalstar ground infrastructure.

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

1. [receive](#) transmissions from the licensed transmitter module and to relay the data to the Mission Operations Center

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

The [Spaceflight, Inc. Sherpa Fx1 Tag](#) Mission Office will notify the FCC of the dates of actual operation, once those dates have been established.

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