

## **Description of Research Project** (FCC Experimental License Request)

Applicant: [Globalstar, Inc.](#)  
FCC\_File Number: [0376-EX-CN-2021](#)  
*in support of:* [Univ of Southern Indiana, UNITE, File 0182-EX-CN-2021](#)

The objective of this Globalstar Request for Special Temporary Authority is to support communications for the [Univ of Southern Indiana, UNITE](#) mission. The objectives of the [UNITE](#) project are presented in the Special Temporary Authority Application submitted by [Univ of Southern Indiana](#) for the [UNITE](#) mission, FCC\_File [0182-EX-CN-2021](#).

## **Background:**

In its request, [Univ of Southern Indiana](#) sought authority to operate [Qty 1](#) of [Globalstar STX-3 \(FCCID L2V-STX3\)](#) and [Qty 1](#) of [Globalstar GSP-1720 \(FCCID J9CGSSDVM\)](#), currently integrated into the [UNITE](#) system. Information transmitted by the [UNITE](#) 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. [Transmit and Receive](#) transmissions to/from the licensed transmitter module and to relay the data to/from 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 [Univ of Southern Indiana UNITE](#) Mission Office will notify the FCC of the dates of actual operation, once those dates have been established.

## **Globalstar Contact Person:**

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