

**Exhibit 1**  
**REQUEST FOR SPECIAL TEMPORARY AUTHORITY**  
**(Response to Question 12, FCC Form)**

**I. DESCRIPTION OF STA REQUEST TO TEST MARITIME TERMINAL**

ISAT US, Inc. (“ISAT US”) hereby requests special temporary authority (“STA”) to operate for testing purposes three units of the KA30 model aeronautical terminal at each of three fixed locations to communicate with the Inmarsat 5F2 (I5F2) and 5F3 (I5F3) satellites in the 19.7-20.2 GHz (space-to-Earth) and 29.5-30.0 GHz (Earth-to-space) bands for a thirty-day period beginning 18 October 2017.

The earth stations will be located at the Inmarsat facility in Chantilly, VA as well as two other sites in Greenville, TX and Carlsbad, CA. The operations are to test and demonstrate the use of this new aeronautical terminal. ISAT US is already licensed by the Commission to operate aeronautical earth stations in the 19.7-20.2 GHz and 29.5-30.0 GHz bands.<sup>1</sup> Moreover, ISAT has submitted a modification to its existing maritime blanket earth station license E140114 (IBFS File No. SES-MOD-20171010-01126) to add the KA30 terminal and wishes to incorporate the technical specifications listed in that application by reference herein.

The KA30 terminal will operate with the Inmarsat Global Xpress I5F2 and I5F3 satellites located at 55° W.L. and 179.6 ° E.L. orbital location, respectively, and the Lino Lakes Satellite Access Station, which have been authorized for U.S. market access.<sup>2</sup> ISAT US will be responsible for all technical aspects of the system during the testing and demonstration. The user terminal operations in the spectrum requested will be closely monitored by the Inmarsat Network

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<sup>1</sup> See ISAT US GX aeronautical user terminal earth station Call Sign E140114.

<sup>2</sup> See Call Signs E120072 and E150028.

Operations Center (NOC) and the engineering team associated with the demonstration.

Additionally ISAT US requests to operate on a non-interference and non-protected basis.

### **Description of Operations**

This STA will allow testing and demonstration of a new terminal that will facilitate further deployment of broadband communications to Inmarsat customers. The terminals will be operated from fixed locations at the following sites for 30 days commencing on 18 October 2017. Operations, of a maximum of three terminals at each site, will be conducted within a 1 mile radius of the following locations:

- Chantilly, VA Latitude = 38° 53' 32.2656" Longitude = -77° 26' 38.6232"
- Carlsbad, CA Latitude = 33° 8' 59.9994" Longitude = 117° 16' 11.9994"
- Greenville, TX Latitude= 33° 2' 23.9994" Longitude = 96° 2' 24"

The ISAT US Point of Contact 24/7 during the STA is Inmarsat Network Control in London, England at 011 44 207 728 1616.

## **II. GRANT OF THE STA WILL SERVE THE PUBLIC INTEREST**

Grant of the requested STA will serve the public interest, convenience and necessity because it will enable ISAT US to conduct testing and demonstration of a new terminal using the I5F2 and I5F3 space stations, within technical parameters consistent with the parameters filed in IBFS File No. SES-MOD-20171010-01126, without creating any risk of harmful interference. ISAT US respectfully requests that the Commission grant STA beginning 18 October 2017 for a period of 30 days.