

Attachment 1

ISAT US, Inc.

Request for Special Temporary Authorization for over-the-air testing of the L3Harris DarkWing terminal

File Number SES-MOD-20200602-00589 (Call Sign E150097)

ISAT US, Inc. (hereinafter "Inmarsat") respectfully requests a grant of special temporary authorization ("STA") for thirty days, commencing December 14, 2020, to continue testing of 15 units of the L3Harris DarkWing terminal model, a fixed, land-based earth station terminal, over Inmarsat's GX network manufactured by L3Harris Technologies. Inmarsat seeks authority for the terminal under test to communicate with the Inmarsat 5-F2 space station (licensed by the United Kingdom) at 55 degrees WL.

The L3Harris DarkWing terminal utilizes small, portable, flat panel antenna with integrated modems, electronics, and software. The terminal is designed to operate in the Ka band, with transmit (Earth-to-space) capability in the 29.5-30.0 GHz band and receive capability in the 19.7-20.2 GHz (space-to-Earth) band. STA is sought for both left hand circular and right hand circular polarizations in the transmit and receive frequency ranges specified above.

A previous STA (IBFS File No. SES-STA-20201029-01198) was granted on November 4, 2020, for 30 days of testing at or within one mile of the L3Harris facility in Victor, New York. The STA grant specified that "Operational parameters may not exceed limits currently authorized for the Call Sign E150097 MicroSat terminal." Inmarsat now seeks further STA under the same conditions for static testing at locations throughout the Contiguous United States, which will demonstrate the function and performance of the terminal over the satellite and Inmarsat's Global Express ("GX") network. The terminal will access the GX network and conduct traffic tests and network functions.

Inmarsat's 24-hour point of contact in the United States for interference issues is Ananda Mishra, available at +1 808 638-5820. Further, Inmarsat's London Network Operations Center may be reached at any time at +44 20 7728 1616.

Grant of the STA for the testing is in the public interest because the testing will facilitate and further improvements in Inmarsat's land-based terminal services, including services used by various U.S. agencies. It is therefore respectfully requested that STA as described above be granted for a period of 30 days, effective December 14, 2020.

Any questions with respect to this matter may be directed to Brennan Price at +1 703 223-3327.