

Attachment 1

ISAT US, Inc.

Request for Special Temporary Authorization for over-the-air testing of the
Honeywell JetWave MCS-8562 terminal

File Number SES-MFS-20180112-00020 (Call Sign E140114)

ISAT US, Inc. (hereinafter "Inmarsat") respectfully requests a grant of special temporary authorization ("STA") for thirty days, commencing June 22, 2020, to operate and test a user earth station terminal over the GX network. The terminal model, JetWave MCS-8562, is manufactured by Honeywell and is an upgraded version of the JetWave MCS-8200, which is presently licensed under the referenced file number to communicate with the Inmarsat 5-F1, Inmarsat 5-F2, and Inmarsat 5-F3 space stations (all licensed by the United Kingdom). Inmarsat seeks authority for the terminal under test to communicate with the Inmarsat 5-F2 space station at 55 degrees WL.

The MCS-8562 terminal is electrically equivalent to the MCS-8200, having the same size aperture, gain and transmit power. The terminal is designed to operate in the Ka band, with transmit capability in the 29.5-30.0 GHz band and receive capability in the 19.2-20.2 GHz band. Due to the same aperture size and the same aperture technology, the antenna patterns are also similar to the MCS-8200. The MCS-8562 supports dual polarization, which is a new capability in this model compared to the RHCP-uplink, LHCP-downlink operation of the MCS-8200. STA is sought for both polarizations in the transmit and receive frequency ranges specified above.

The testing will be held at the Honeywell Aerospace facility at 660 Engineering Dr, Norcross, GA 30092, within 1000 feet of the coordinates specified in the application. This will be a static test 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.

Grant of the STA for the testing is in the public interest because the testing will facilitate and further develop improvements in Inmarsat's aeronautical earth station in motion 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 June 22, 2020.

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