

Exhibit A

Land-Based Ka-Band Request for Special Temporary Authority

Systems and Software Enterprises, LLC, dba Zodiac Inflight Innovations ("*Zodiac*") seeks extension of its Special Temporary Authority ("STA"), pursuant to Section 25.120 of the Commission's Rules, for continued operation (until its pending license application File No. SES-LIC-INTR2019-02348 is granted), in order to allow *Zodiac* to continue to perform testing of a single unit of a land-based earth station in advance of action on its license application and grant. The extended STA will provide continuation of the testing of *Zodiac's* earth station, an in-flight entertainment system that is used in conjunction with Inmarsat's Ka-band Global Xpress satellite system. ISAT US already holds a blanket license authority for what it describes as ESIMs (Earth Stations in Motion) that provide broadband communications on maritime and aeronautical platforms utilizing the Inmarsat 5F2 and Inmarsat 5F3 satellite networks. The instant STA extension request and a pending license application (file No. SES-LIC-INTR2019-02348) will cover operations in the 29.5-30.0 GHz (Earth-to-space) and 19.7-20.2 GHz (space-to-Earth) frequency bands. As indicated, *Zodiac* is waiting on the grant of a license to add the terminal for regular operations and, at that time, any waivers of FCC technical rules that may be deemed necessary.

Allowing for operation pursuant to the extended STA is in the public interest because *Zodiac* has several enhancements to its in-flight entertainment and passenger information systems and needs to conduct ongoing testing of them immediately in order to make them available in a manner that will benefit the significant number of airline passengers that utilize those systems on a daily basis.

Land-Based Earth Station Description

The uplink terminal is being operated at a single fixed location in Brea, Orange County, California. The terminal employs a 65cm x 19.5cm Honeywell 8200 VSAT antenna, operates on the same frequencies and with the same parameters as the ISAT US "Aero 1" in-flight terminals already licensed by the Commission¹. *Zodiac* proposes to continue to use the same Honeywell 8200 VSAT antenna system, but mounted as a fixed transmitter/receiver.

Operations in the frequency bands requested herein are subject to the U.S. Table of Frequency Allocations in Section 2.106 of the Commission's rules ("U.S. Table") and the Ka-band plan adopted by the Commission. The FCC's Ka-band plan designates the 19.7-20.2 GHz band and the 29.5-30.0 GHz band to GSO FSS on a primary basis. The Commission recently adopted rules for ESIM use of the Ka-band FSS frequency bands requested in this application².

Consequently, *Zodiac* submits that it has met the Commission's requirements for the extension

¹ ISAT US, Inc. File Number SES-LIC-20141030-00832

² *Amendment of Parts 2 and 25 of the Commission's Rules to Facilitate the Use of Earth Stations in Motion Communicating with Geostationary Orbit Space Stations in Frequency Bands Allocated to the Fixed Satellite Service*, Report and Order and Further Notice of Proposed Rulemaking, 33 FCC Rcd 9327 (2018).

of the STA pending action on its license application.