

## **Exhibit A**

### **Land-Based Ka-Band License Application**

Systems and Software Enterprises, LLC, dba Zodiac Inflight Innovations ("*Zodiac*"), herein seeks licensing of a land-based Ka-Band terminal. The requested license will provide, with the use of Zodiac's earth station, a facility for the testing of in-flight entertainment systems that are 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 license application will cover operations in the 29.5-30.0 GHz (Earth-to-space) and 19.7-20.2 GHz (space-to-Earth) frequency bands.

This license request is in the public interest. *Zodiac* provides a number of in-flight entertainment system software systems. Use of this land-based terminal would allow *Zodiac* to test and perfect several enhancements to its in-flight entertainment and other passenger information systems so that they can be available in a finished form to tens of thousands of airline passengers traveling on airlines that utilize *Zodiac* in-flight entertainment systems on a daily basis.

#### **Land-Based Earth Station Description**

The uplink terminal will be operated at a single fixed location in Brea, Orange County, California. The terminal, which employs a 65cm x 19.5cm Honeywell 8200 VSAT antenna, will operate on the same frequencies and with the same parameters as the ISAT US "Aero 1" in-flight terminals already licensed by the Commission.

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 application<sup>1</sup>.

Consequently, *Zodiac* submits that a satisfactory basis exists for the granting of a permanent application for such a license.

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<sup>1</sup> *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, FCC 18-138 (rel. Sept. 27, 2018).