

## **EXHIBIT D**

### **Hosted Payload**

The Iridium NEXT satellite system has a hosted payload for its Aireon LLC joint venture that is described herein for informational purposes only.<sup>1</sup> Aireon LLC is a Delaware limited liability company, and is included in a joint venture to design, finance, procure, deploy and operate a global, satellite-based aviation monitoring service (the "Aireon System"), utilizing Automatic Dependent Surveillance Broadcast ("ADS-B") technology.<sup>2</sup>

The Aireon System will complement terrestrial ADS-B systems worldwide by expanding their reach to provide global aircraft surveillance coverage specifically over the oceans, the poles and other remote regions by using space based ADS-B receiver payloads hosted on each of the Iridium NEXT satellites.

The ADS-B Payload is approximately 50 kilograms and consumes 50 watts average power on orbit. Figure A shows the location on the Iridium NEXT satellite where the space based ADS-B Payload will be installed.

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<sup>1</sup> This application is not seeking FCC authority to receive these ADS-B signals. The Aireon space based ADS-B receiver currently is planned to be authorized by another administration.

<sup>2</sup> NAV CANADA has been working closely with the Canadian aircraft regulator, Transport Canada, and has outlined the process for developing the safety case and certification for the Aireon System. Part of that plan is developing the regulatory approval process with the International Civil Aviation Organization (ICAO).

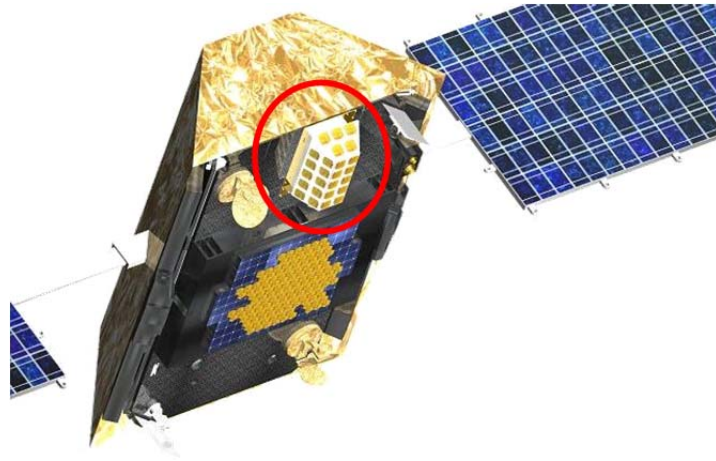


FIGURE A: Iridium NEXT Satellite with Space Based ADS-B Receiver Payload

The ADS-B equipped aircraft transmit Mode S 1090 MHz Extended Squitter (ES) signals to its local ground infrastructure. Each aircraft uses on-board GPS hardware to provide its accurate position, velocity, identification, altitude and other data items as an ADS-B message. Properly equipped ground stations receive the ADS-B signal and forward the information to an air traffic controller thus providing real time situational awareness of air traffic within the coverage region. The Aireon concept is to receive these same signals from a space-based platform which will fill gaps in terrestrial coverage.