

## Request for Experimental Authority

Iridium Satellite LLC (“Iridium”) seeks an experimental license to transmit in the 1618.725-1626.5 MHz band from its space stations<sup>1</sup> to a smallsat operated by TrustPoint, Inc. (“TrustPoint”) that will operate as the “Time Flies” experimental mission. Time Flies will consist of a 3U XL CubeSat spacecraft which will be launched on the SpaceX Falcon 9 Launch Vehicle, from Vandenberg Space Force Base, no earlier than February 1, 2025.<sup>2</sup>

Iridium requests that its license application be granted as a companion license to support the Time Flies mission for a period of two (2) years. To satisfy the launch integrators requirements, Iridium also requests that the license be issued by December 1, 2024.

As set forth in TrustPoint’s companion application, the goal of the mission is to test and demonstrate an in-orbit platform for innovative signal and service technology development and demonstration. With this mission, TrustPoint hopes to develop a commercial Low Earth Orbit (LEO) Global Navigation Satellite System/Services (GNSS) at C-band frequencies. Two Iridium transceiver modems (model 9603) will communicate with the Iridium constellation. Transmission from the Time Flies spacecraft will begin one (1) minute after deployment and cease after completion of the mission.

There will be no change during the experiment in the operating parameters of Iridium’s space stations, which are licensed as Part 25 space stations under Call Sign S2110. For this reason, no operating parameters, other than effective radiated power and emission designator, are used in the form that this exhibit accompanies. The only change for which Iridium seeks an authority is adding the Time Flies spacecraft as a point of communication. Iridium’s Part 25 space station license does not cover space-to-space communications.

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<sup>1</sup> Iridium’s constellation is comprised of 66 satellites, any one of which may be used as part of the experiment at any point in time.

<sup>2</sup> See TrustPoint, Inc., Application for Authority to Launch and Operate Time Flies, OET File No. 0829-EX-CN-2024, filed August 24, 2024.