February 28, 2023

Ms. Marlene H. Dortch
Secretary
Federal Communications Commission
45 L Street NE
Washington, DC 20554

Re: Request for Extension of Special Temporary Authority
Castle Rock, Colorado Earth Station KL92

Dear Ms. Dortch:

Intelsat License LLC ("Intelsat") herein requests an additional 30 days of Special Temporary Authority ("STA")[1] previously granted to Intelsat to use its Castle Rock, Colorado Ku-band earth station, Call Sign KL92, to provide launch and early orbit phase ("LEOP") services to Amazonas Nexus 6 (S3086).[2] Amazonas Nexus 6 was launched on February 6, 2023 and is currently drifting to its IOT location. Intelsat expects the LEOP to last approximately 172 days.[3]

The Amazonas Nexus 6 operations are at the following frequencies: 13752.0 MHz and 14498.5 MHz in the uplink; and 11704.5 MHz and 12198.0 MHz in the downlink.[4]

The 24x7 contact information for the Amazonas Nexus 6 mission is as follows:

Ph.: (703) 559-7701 – East Coast Operations Center (primary)
(310) 525-5591 – West Coast Operations Center (back-up)
Request to speak with Glen Jones or Mike Ryan.

The LEOP operations have been coordinated with all operators of satellites that use the same frequency bands and are in the LEOP path.[5] All operators of satellites in that path have been provided with an emergency phone number where the licensee can be reached in the event that harmful interference occurs. In the extremely unlikely event that harmful interference should occur

[1] Intelsat has filed its STA request, FCC Form 159, a $210.00 filing fee, and this supporting letter electronically via the International Bureau's Filing System.

[2] *See Satellite Communications Services Information; Actions Taken*, Report No. SES-02540, File No. SES-STA-20230110-00036 (Feb. 8, 2023) (Public Notice).

[3] Intelsat is also seeking 180 days of STA to utilize KL92. *See Satellite Communications Services Information; Satellite Radio Applications Accepted for Filing*, Report No. SES-02539, File No. SES-STA-20230110-00028 (Feb. 8, 2023) (Public Notice).

[4] In support of this request, Intelsat incorporates by reference Exhibits A and B of its original request, which include additional operational information and a 13 GHz report, respectively. *See supra*, n. 2.

[5] Thales Alenia Space ("Thales"), the manager of the Amazonas Nexus 6 mission, will handle the coordination.

due to transmissions to or from its earth station, Intelsat will take all reasonable steps to eliminate the interference.

Finally, Intelsat clarifies that during the Amazonas Nexus 6 LEOP mission, Thales is the mission manager. Thales builds and send the commands to the Intelsat antenna, which processes and executes the commands. Telemetry received by Intelsat is forwarded to Thales. Intelsat performs the ranging sessions by sending a tone to the spacecraft periodically. Intelsat is in control of the baseband unit, RF equipment, and antenna.

Grant of this STA extension request will allow Intelsat to help launch the Amazonas Nexus 6 satellite. This will help provide services at the 61.0° W.L. orbital location and thereby promotes the public interest.

Please direct any questions regarding this STA extension request to the undersigned at (703) 559-7799.

Respectfully submitted,

/s/ W. Ray Rutngamlug
W. Ray Rutngamlug
Associate General Counsel
Intelsat US LLC

cc: Franco Hinojosa