

April 28, 2023

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

Re: Request for Special Temporary Authority
Call Sign E170039; Nuevo, California

Dear Ms. Dortch:

Intelsat License LLC ("Intelsat") herein requests 30 days of Special Temporary Authority ("STA"),¹ commencing June 2, 2023, to use its Nuevo, California Ka-band earth station, Call Sign E170039, to provide in-orbit testing ("IOT") services for Amazonas Nexus 6 (S3086) at 59.0° W.L. Amazonas Nexus 6 was launched on February 6, 2023, and is currently drifting to its IOT location. Intelsat expects to support IOT with E170039 for 10 days.²

Specifically, Intelsat requests authority to operate in the following frequency bands:

- 27500-31000 MHz (Earth-to-space); and
- 17700-21200 MHz (space-to-Earth).³

The 24x7 contact information for the proposed operations 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 proposed operations will be coordinated with all operators of satellites that are potentially affected by these operations at the IOT location.⁴ All operators of potentially affected satellites will be 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 due to transmissions to or from its earth station, Intelsat will take all reasonable steps to eliminate the interference.

¹ Intelsat has filed its STA request, FCC Form 159, a \$220.00 filing fee, and this supporting letter electronically via the International Bureau's Filing System.

² Intelsat is requesting 30 days of STA to accommodate any potential delays.

³ Additional operational information is included in Exhibit A.

⁴ Hispasat, the operator of Amazonas Nexus 6, will handle the coordination. Amazonas Nexus 6 has been granted U.S. market access at 61.0° W.L. See *Satellite Policy Branch Information; Actions Taken*, Report No. SAT-01617, File No. SAT-PPL-20210510-00062 (Mar. 11, 2022) (Public Notice).

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Grant of this STA request will allow Intelsat to help test Amazonas Nexus 6 before it is placed into service at the 61.0° W.L. orbital location and thereby promotes the public interest.

Please direct any questions the undersigned at (703) 559-6949.

Respectfully submitted,

/s/ Cynthia J. Grady
Cynthia J. Grady
Assistant General Counsel
Intelsat US LLC

cc: Franco Hinojosa

EXHIBIT A

Intelsat Request for STA for Amazonas Nexus 6 IOT

Earth Station	E170039
Antenna size (m)	9.2
Transmit Frequencies (MHz)	27500-31000
Receive Frequencies (MHz)	17700-21200
Transmit Gain	63.0 dBi at 20000 MHz
Polarization	Linear
Emission Designators	000KN0N
Bandwidth	1 Hz
Maximum EIRP per Carrier (dBW)	85
Maximum EIRP Density per Carrier (dBW/4 kHz)	61
Site Location	Nuevo, California
Latitude/Longitude (NAD83)	33° 47' 42.7" N, 117° 05' 22.5" W
Satellite Point(s) of Communication	Amazonas Nexus 6
Satellite Call Sign	S3086
Satellite Type	Geostationary
Satellite Location	59.0° W.L.