



September 28, 2022

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

Re: Request for Extension of Special Temporary Authority
Haleiwa, Hawaii Earth Station E210007

Dear Ms. Dortch:

Intelsat License LLC ("Intelsat") herein requests an additional 30 days of Special Temporary Authority ("STA")¹ previously granted to Intelsat² to use its Haleiwa, Hawaii C-band earth station, Call Sign E210007, to provide launch and early orbit phase ("LEOP") services for the SES-20 and SES-21 satellites. Intelsat is seeking this extension to accommodate a launch delay; SES-20 and SES-21 are now expected to launch on September 30, 2022.³ Intelsat expects the LEOP period to last approximately 30 days.

The SES-20 and SES-21 operations will be performed at the following frequencies: 6421.0 MHz and 6423.5 MHz in the uplink; and 4197.3 MHz and 4199.5 MHz in the downlink. The LEOP operations will be coordinated with all operators of satellites that use the same frequency bands and are in the LEOP path.⁴ All operators of satellites in that path 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.

The 24x7 contact information for the SES-20 and SES-21 missions 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 Kevin Bell or Glen Jones.

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-02500, File No. SES-STA-20220628-00709 (Sept. 14, 2022) (Public Notice). Intelsat incorporates by reference Exhibits A and B of its original request, which contain operational information and a coordination report, respectively.

³ In-orbit testing of both satellites will occur at 142° W.L.

⁴ Boeing will be the manager of the SES-20 and SES-21 missions and will handle the coordination. Intelsat incorrectly identified Thales Alenia Space in its original request.

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Finally, Intelsat clarifies that during the SES-20 and SES-21 LEOP missions, Boeing will serve as the mission manager. Boeing will build and send the commands to the Intelsat antenna, which will process and execute the commands. Telemetry received by Intelsat will be forwarded to Boeing. Intelsat will perform the ranging sessions by sending a tone to the spacecraft periodically. Intelsat will remain in control of the baseband unit, RF equipment, and antenna.

Grant of this STA extension request will allow Intelsat to help launch the SES-20 and SES-21 satellites. This, in turn, will allow SES-20 and SES-21 to provide additional upper C-band capacity in furtherance of the Federal Communications Commission's goal of clearing 3.7-4.0 GHz and thereby promotes the public interest.

Please direct any questions regarding this STA extension request to the undersigned at (703) 559-6949.

Respectfully submitted,

/s/ Cynthia J. Grady

Cynthia J. Grady
Assistant General Counsel
Intelsat US LLC

cc: Franco Hinojosa