



INTELSAT

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April 11, 2017

Ms. Marlene H. Dortch
Secretary
Federal Communications Commission
445 12th Street, S.W.
Washington, D.C. 20554

Re: Request for Extension of Special Temporary Authority
Hagerstown, Maryland Earth Station KA258

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests an additional 30 days of Special Temporary Authority (“STA”)¹ previously granted Intelsat to use its Hagerstown, Maryland Ku-band earth station—call sign KA258, to provide launch and early orbit phase (“LEOP”) services for the KoreaSat-7 satellite.² As a result of a launch delay, KoreaSat-7 is now scheduled to be launched no earlier than April 14, 2017.³ Intelsat expects the LEOP period to last approximately 30 days.⁴

The KoreaSat-7 LEOP operations will be performed at the following frequencies: 14003.5 MHz and 14499.0 MHz (V, H, and CP) in the uplink; and 12250.1 MHz and 12749.9 MHz (V, H, and CP) 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.⁵ 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.

The 24x7 contact information for the KoreaSat-7 LEOP 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 Harry Burnham or Kevin Bell.

¹ Intelsat has filed its STA request, an FCC Form 159, a \$200.00 filing fee, and this supporting letter electronically via the International Bureau’s Filing System (“IBFS”).

² See *Satellite Communications Services Information; Actions Taken*, Report No. SES-01937, File No. SES-STA-20170227-00205 (Mar. 15, 2017) (Public Notice).

³ The in-orbit testing location for KoreaSat-7, which Intelsat understands is licensed by Korea, will be at 114.5° E.L. The final location of KoreaSat-7 will be 116° E.L.

⁴ Intelsat is seeking authority for an additional 30 days to accommodate further launch delays.

⁵ Thales Alenia Space (“Thales”), the manager of the KoreaSat-7 LEOP mission, will handle the coordination.

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In further support of this extension request, Intelsat incorporates by reference Exhibit A, a waiver request, submitted with its original STA request.

Finally, Intelsat clarifies that during the KoreaSat-7 LEOP mission, Thales will serve as the mission manager. Thales 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 Thales. 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 KoreaSat-7 satellite. This, in turn, will help provide additional capacity from the 116° E.L. orbital location and thereby promotes the public interest.

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

Respectfully submitted,

A handwritten signature in blue ink that reads "Cynthia J. Grady". The signature is written in a cursive, flowing style.

Cynthia J. Grady
Regulatory Counsel
Intelsat Corporation

cc: Paul Blais