



INTELSAT

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September 16, 2014

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

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

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests a grant of Special Temporary Authority (“STA”)¹ for 30 days, commencing October 16, 2014, to use its Hagerstown, Maryland Ku-band earth station—call sign KA258—to provide launch and early orbit phase (“LEOP”) services for the ARSAT-1 satellite. ARSAT-1 is expected to be launched on October 16, 2014.² The LEOP period is expected to last approximately 10 days.³

The ARSAT-1 LEOP operations will be performed in the following frequencies: 13999.00 MHz (LHCP) and 14498.00 MHz (RHCP) in the uplink, and 11703.00 MHz and 12197.00 MHz in the downlink (RHCP). 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.

The 24x7 contact information for the ARSAT-1 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 \$195.00 filing fee, and this supporting letter electronically via the International Bureau’s Filing System (“IBFS”).

² The permanent orbital location for ARSAT-1, which Intelsat understands is licensed by Argentina, will be at 71.8° W.L. The in-orbit testing location will be 81.1° W.L.

³ Intelsat is seeking authority for 30 days to accommodate a possible launch delay.

⁴ Empresa Argentina de Soluciones Satelitales S.A. (“ARSAT”), the operator of the ARSAT-1 LEOP mission, will handle the coordination.

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In further support of this request, Intelsat hereby attaches Exhibits A and B, which contain technical information that demonstrates that the operation of the earth station will be compatible with its electromagnetic environment and will not cause harmful interference into any lawfully operating terrestrial facility, as well as a waiver request. 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. Intelsat also notes that for purposes of the ARSAT-1 LEOP mission, it is seeking to operate in the frequencies listed in this request at power levels not to exceed 22.9 dBW.

Finally, Intelsat clarifies that during the ARSAT-1 launch, INVAP/ARSAT will control the spacecraft. INVAP/ARSAT 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 Telespazio, INVAP, and ARSAT. Intelsat will remain in control of the baseband unit, RF equipment, and antenna.

Grant of this STA request will allow Intelsat to help launch the ARSAT-1 satellite. This, in turn, will help provide services to Argentina and the neighboring areas at the 81.1° W.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,



Cynthia J. Grady
Regulatory Counsel
Intelsat Corporation

cc: Paul Blais