

March 18, 2014

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

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

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests a grant of Special Temporary Authority (“STA”)¹ for 30 days, commencing April 15, 2015, to use its Castle Rock, Colorado Ku-band earth station—call sign KL92—to provide launch and early orbit phase (“LEOP”) services for the THOR 7 satellite. THOR 7 is expected to be launched on April 15, 2015.² The LEOP period is expected to last approximately ten days.³

The THOR 7 LEOP operations will be performed in the following frequency bands: 13241.0 MHz and 13243.0 MHz in the uplink (RHCP), and 12494.5 MHz and 12495.5 MHz in the downlink (LHCP). 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 THOR 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.

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

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 THOR 7, which Intelsat understands is licensed by Norway, will be at 1.0° W.L. The in-orbit testing location will be 12° W.L.

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

⁴ Space Systems/Loral (“SS/L”), the manager of the THOR 7 LEOP mission, will handle the coordination.

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terrestrial facility, as well as a waiver request. Intelsat also notes that for purposes of the THOR 7 LEOP mission, it is seeking to operate in the frequencies listed in the request at power levels not to exceed 22 dBW. The technical information submitted with this STA request reflects a power level as high as 29 dBW because Intelsat might operate at this level in the event an emergency necessitates the use of a higher power level in order to command the satellite. 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.

Finally, Intelsat clarifies that during the THOR 7 LEOP mission, SS/L will serve as the mission manager. SS/L 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 SS/L. 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 request will allow Intelsat to help launch the THOR 7 satellite. This, in turn, will help will provide additional capacity for broadcast and broadband services at the 1.0° 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,

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