

March 5, 2018

Ms. Marlene H. Dortch
Secretary
Federal Communications Commission
445 12th Street, SW
Washington, DC 20554

Re: Request for Special Temporary Authority
Riverside, California Earth Station E040125

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests a grant of Special Temporary Authority (“STA”)¹ for 30 days, commencing March 31, 2018, to use its Riverside, California C-band earth station—call sign E040125—to provide launch and early orbit phase (“LEOP”) services for the Indian Regional Navigational Satellite System (“IRNSS”) 1I satellite that, due to an unexpected delay, is now expected to launch on March 31, 2018.² Intelsat expects the LEOP period to last approximately 30 days.³

The IRNSS-1I LEOP operations will be performed at the following frequencies: 6415.0 MHz and 6423.496 MHz (RHCP) in the uplink, and 4188.768 MHz and 4196.928 MHz (LHCP) 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.

The 24x7 contact information for the IRNSS-1I 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, FCC Form 159, a \$200.00 filing fee, and this supporting letter electronically via the International Bureau’s Filing System (“IBFS”).

² Intelsat previously filed and received a grant of STA to provide LEOP services for IRNSS-1I. See *Satellite Communications Services Information; Actions Taken*, Public Notice, Report No. SES-02029, File No. SES-STA-20180102-00002 (Jan. 24, 2018). Due to the unexpected launch delay, Intelsat requests a new STA grant.

³ The permanent orbital location and in-orbit testing location for IRNSS-1I, which Intelsat understands is licensed by India, will be 55.0° E.L.

⁴ Indian Space Research Organisation, the manager of the IRNSS-1I LEOP mission, will handle the coordination.

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In further support of this request, Intelsat herewith attaches Exhibits A and B, which contain a coordination report and waiver requests. 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 IRNSS-1I launch, the Indian Space Research Organisation (“ISRO”) will control the spacecraft. ISRO 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 ISRO. 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 IRNSS-1I satellite. This, in turn, will help provide services to India and neighboring areas from the 55.0° E.L. orbital location and thereby promotes the public interest.

Please direct any questions regarding this STA request to the undersigned at (703) 559-7848.

Respectfully submitted,

/s/ Susan H. Crandall
Susan H. Crandall
Associate General Counsel
Intelsat Corporation

cc: Paul Blais