

August 1, 2013

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



Re: Request for Special Temporary Authority  
Fillmore, California Earth Station E4132

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests a grant of Special Temporary Authority (“STA”)<sup>1</sup> for 30 days commencing August 24, 2013 to use its Fillmore, California C-band earth station -- call sign E4132 -- to provide launch and early orbit phase (“LEOP”) services for the GSAT-7 satellite that is expected to be launched on August 24, 2013.<sup>2</sup> The LEOP period is expected to last approximately 10 days.<sup>3</sup>

The GSAT-7 LEOP operations will be performed in the following frequency bands:

Uplink: 6415.0 MHz and 6412.912 MHz (RHCP); and  
Downlink: 4186.848 MHz and 4189.344 MHz (LHCP).

The LEOP operations will be coordinated with all operators of satellites that use the same frequency bands and are in the LEOP path.<sup>4</sup> 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.

---

<sup>1</sup> Intelsat has filed its STA request, an FCC Form 159, a \$180.00 filing fee and this supporting letter electronically via the International Bureau’s Filing System (“IBFS”).

<sup>2</sup> The GSAT-7 satellite will be in-orbit tested at its permanent orbital location of 74.0° E.L.

<sup>3</sup> Intelsat is seeking authority for 30 days to accommodate a possible launch delay.

<sup>4</sup> The Indian Space Research Organisation (“ISRO”), which is the manufacturer of, and LEOP mission manager for, GSAT-7, will handle the coordination.

Ms. Marlene H. Dortch  
August 1, 2013  
Page 2

The 24x7 contact information for the GSAT-7 LEOP mission is as follows:

Ph.: (202) 944-7701 – East Coast Operations Center (primary)  
(310) 525-5900 – West Coast Operations Center (back-up)

Request to speak with Harry Burnham or Kevin Bell.

In further support of this request, Intelsat is attaching 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 GSAT-7 LEOP mission, it is seeking to operate in the frequencies listed in the request at a maximum input power level not to exceed 26.5 dBW. The technical information submitted with the STA request reflects a higher maximum input power level of 34.0 dBW because that is the level at which Intelsat might operate in the event an emergency necessitates the use of a higher power level in order to command the satellite.

Finally, Intelsat clarifies that during the GSAT-7 launch, the spacecraft will be controlled by ISRO, which is the manager of the LEOP mission. 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 enable Intelsat to help launch the GSAT-7 satellite. This, in turn, will serve the public interest by providing new capacity at the satellite's permanent location of 74.0° E.L.

Ms. Marlene H. Dortch  
August 1, 2013  
Page 3

Please direct any questions regarding this STA request to the undersigned at (202) 944-7848.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Susan H. Crandall". The signature is fluid and cursive, with a large initial "S" and "C".

Susan H. Crandall  
Assistant General Counsel  
Intelsat Corporation

cc: Paul Blais