

January 10, 2013

Ms. Marlene H. Dortch
Secretary
Federal Communications Commission
445 12th Street, S.W.
Washington, D.C. 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 January 28, 2013 to use its C-band earth station E040125 located in Riverside, California to provide launch and early orbit phase ("LEOP") services for the Intelsat 27 satellite that is expected to be launched on January 28, 2013.² The LEOP period is expected to last approximately 17 days.³

The Intelsat 27 LEOP operations will be performed in the following frequency bands:

Uplink: 6424.5 MHz (LHCP) and 5925.5 MHz (H); and
Downlink: 3701.25 MHz, 3701.75 MHz, 3702.25 MHz and 3702.75 MHz (V and 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

¹ 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").

² The satellite's permanent orbital location will be 55.5° W.L. *See Policy Branch Information; Actions Taken*, Report No. SAT-00904, File No. SAT-LOA-20110610-00105 (Oct. 12, 2012) (Public Notice). The FCC's order granting the Intelsat 27 license prohibits Intelsat from operating the UHF payload without further order from the FCC. *See id.*, Condition # 4. Intelsat 27's C- and Ku-band payloads will be in-orbit tested at 51.5° E.L. *See Intelsat License LLC Request for Special Temporary Authority*, File No. SAT-STA-20121130-00204 (filed Nov. 30, 2012). The satellite's UHF payload will be tested at 55.5° W.L., subject to receipt of FCC approval.

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

⁴ Boeing Satellite Systems, Inc., which is the LEOP mission manager for Intelsat 27, will handle the coordination.

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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 Intelsat 27 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 Exhibit A, which contains 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. 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 Intelsat 27 LEOP mission, it is seeking to operate in the frequencies listed in the request at power levels not to exceed 26.5 dBW. The technical information submitted with the STA request reflects a power level as high as 32.6 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.

Grant of this STA request will allow Intelsat to help launch the Intelsat 27 satellite. This, in turn, will serve the public interest by providing replacement and new capacity at the satellite's permanent location of 55.5° W.L.

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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