

June 14, 2010

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



Re: Request for Extension of Special Temporary Authority to Operate  
Intelsat 603 in Certain C-band Frequencies for 30 Days at 11.5° E.L.  
Call Sign: S2399

Dear Ms. Dortch:

Intelsat North America LLC ("Intelsat") herein requests an extension of Special Temporary Authority ("STA")<sup>1</sup> for 30 days to continue operating certain C-band communications frequencies, along with TT&C carriers, on the Intelsat 603 satellite (call sign S2399) at 11.5° E.L.

The Intelsat 603 satellite is currently located at 11.5° E.L.<sup>2</sup> and operating pursuant to an FCC grant of STA in the 4040-4200 MHz (space to Earth) and 6265-6425 MHz (Earth to space) frequencies, along with TT&C carriers.<sup>3</sup> Intelsat also has a pending request to re-flag Intelsat 603 from United States licensing to United Kingdom licensing.<sup>4</sup> Until such time as the exchange of licensing administrations can occur, Intelsat seeks STA to continue to operate

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<sup>1</sup> Intelsat has filed this STA request, an FCC Form 159 and an \$830.00 filing fee electronically via the International Bureau's Filing System.

<sup>2</sup> See *Intelsat North America LLC Application for Special Temporary Authority for Intelsat 603 Satellite, S2399*, File No. SAT-STA-20091209-00143 (filed Dec. 9, 2009; granted with conditions Mar. 4, 2010).

<sup>3</sup> See *Intelsat North America LLC Application for Special Temporary Authority for Intelsat 603 Satellite, S2399*, File No. SAT-STA-20100519-00104 (filed May 19, 2010; granted with conditions May 20, 2010; expires June 18, 2010).

<sup>4</sup> See *Intelsat North America LLC Application to Transfer Control of Intelsat 603 Space Station Authorization to United Kingdom Licensing Authority*, File No. SAT-T/C-20100112-00008 (filed Jan. 12, 2010; supplemented February 16, 2010).

these C-band frequencies on the Intelsat 603 satellite at 11.5° E.L., along with TT&C carriers.<sup>5</sup>

**Operational Frequencies:** The specific communications frequencies for which Intelsat seeks authority are:

4040-4200 MHz (space to Earth)  
6265-6425 MHz (Earth to space)

**TT&C Frequencies:** The specific TT&C frequencies are:

Telecommand frequencies: 6173.7 MHz (LHCP) and 6176.3 MHz (LHCP)  
Telemetry frequencies: 3947.5 MHz (RHCP), 3948.0 MHz (RHCP),  
3952.0 MHz (RHCP) and 3952.5 MHz (RHCP)

**Geographic Service Area:** The communications frequencies being requested here will be received or transmitted through C-band beams that cover Europe, Africa, and small portions of Asia and South America.

**Waivers:** Intelsat requests that, to the extent necessary, the Part 25 waivers originally granted to the Intelsat 603 spacecraft continue to apply at the 11.5° E.L. location, namely, the waivers of Sections 25.202(g), 25.210(a)(1), 25.210(a)(3), 25.210(c), 25.210(i) and 25.211(a) of the Commission's rules.<sup>6</sup>

**Conditions.** Intelsat agrees to operate in accordance with conditions imposed as part of the special temporary authority previously granted to Intelsat to operate Intelsat 603 temporarily at this location. *See* IBFS File No. SAT-STA-20100519-00104.

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<sup>5</sup> Intelsat plans shortly to file requests for STA for 30 days and 180 days to operate the C-band frequencies that are included in this request plus additional C- and Ku-band frequencies, along with TT&C carriers.

<sup>6</sup> *See Applications of Intelsat LLC for Authority to Operate and Further Construct, Launch, and Operate C-Band and Ku-Band Satellites that Form a Global Communications System in Geostationary Orbit*, 15 FCC Rcd 15460, 15529 (Appendix C) (2000) (Memorandum Opinion and Order and Authorization), *recon. denied*, 15 FCC Rcd 25234 (2000) (Order on Reconsideration).

Ms. Marlene H. Dortch

June 14, 2010

Page 3

Grant of this application will serve the public interest by allowing Intelsat to continue to operate in C-band frequencies on the Intelsat 603 satellite that are required following the transition of two customers off the NSS-5 satellite. In addition, grant of this request will provide additional time for the FCC and regulatory agency in the United Kingdom, Ofcom, to reach an understanding on the transfer of licensing responsibility for the Intelsat 603 spacecraft.

Grant of this STA extension is not expected to cause any harmful interference. The only operational satellite using C-band frequencies within five degrees of the 11.5° E.L. orbital location is the W2A satellite operated by Eutelsat. However, the W2A satellite does not include frequencies in the range being requested herein for the Intelsat 603 communications payload. Command and telemetry frequencies are transmitted from and to a very large earth station antenna and have already been coordinated with Eutelsat. Moreover, Intelsat agrees to operate the frequencies identified above on a non-interference, non-protected basis and in the unlikely circumstance that interference is generated to any other satellite, Intelsat agrees to immediately cease transmissions until the interference concerns of the interfered-with operator are satisfactorily resolved.

For the reasons set forth herein, Intelsat respectfully requests that the Commission grant this request for STA for an additional 30 days to operate certain C-band frequencies on Intelsat 603 at 11.5° E.L.

Sincerely,

*/s/ Susan H. Crandall*

Susan H. Crandall  
Assistant General Counsel  
Intelsat Corporation

cc: Bob Nelson  
Karl Kensinger  
Kathryn Medley  
Stephen Duall