

S2399 SAT-STA-20100519-00104
Intelsat North America LLC

IB2010001592

File # SAT-STA-2010 0519-00104

Call Sign S2399 Grant Date 05/20/10

(or other identifier) period of

From 05/20/10 To: 30 days Approved by OMB
3060-0678

Approved: Stephen J. Duall

Stephen J. Duall
Chief, Satellite Policy Branch



Date & Time Filed: May 19 2010 3:28:21:890PM
File Number: SAT-STA-20100519-00104
Callsign:

FEDERAL COMMUNICATIONS COMMISSION
APPLICATION FOR SPACE STATION SPECIAL TEMPORARY AUTHORITY

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APPLICANT INFORMATION

Enter a description of this application to identify it on the main menu:
Application for Special Temporary Authority for Intelsat 603 Satellite, S2399

1. Applicant

Name:	Intelsat North America LLC	Phone Number:	202-944-7848
DBA Name:		Fax Number:	202-944-7870
Street:	c/o Intelsat Corporation 3400 International Drive, N.W.	E-Mail:	susan.crandall@intelsat.com
City:	Washington	State:	DC
Country:	USA	Zipcode:	20008 -3006
Attention:	Susan H Crandall		

Attachment to Grant
IBFS File No. SAT–STA–20100519–00104
Call Sign S2399
May 20, 2010

The request of Intelsat North America LLC (Intelsat) for special temporary authority, IBFS File No. SAT–STA–20100519–00104, is granted. Accordingly, Intelsat is authorized, for a period of 30 days commencing on May 20, 2010, to conduct Telemetry, Tracking, and Telecommand (TT&C) operations with the Intelsat 603 space station (Call Sign 2399) and to provide Fixed-Satellite Service (FSS) temporarily in certain C-band frequencies from the 11.5° E.L. orbital location. Specifically, Intelsat is authorized to provide FSS from this location in the 4040-4200 MHz (space-to-Earth) and 6265-6425 MHz (Earth-to-space) frequency bands, and to conduct TT&C using the following frequencies:

Telecommand: 6173.7 MHz (LHCP) and 6176.3 MHz (LHCP)

Telemetry: 3947.5 MHz (RHCP), 3948.0 MHz (RHCP),
3952.0 MHz (RHCP), and 3952.5 MHz (RHCP)

This authorization shall be in accordance with the technical specifications set forth in Intelsat's application, Federal Communication Commission (Commission) rules, and the following conditions:

1. Intelsat's operations at the 11.5 ° E.L. orbital location shall be on a non-harmful interference basis, i.e., Intelsat shall not cause harmful interference to, and shall not claim protection from, interference cause to it by, any other lawfully operating space station.
2. In the event of any harmful interference during Intelsat's operations at the 11.5° E.L. orbital location, Intelsat shall cease operations immediately upon notification of such interference, and shall inform the Commission, in writing, immediately of such an event.
3. While at the 11.5° E.L. orbital location, Intelsat shall maintain the Intelsat 603 spacecraft with an east/west longitudinal station-keeping tolerance of +/- 0.05 degrees.
4. This authorization is also issued on the understanding that the Federal Communications Commission remains the licensing administration, for purposes of ITU Radio Regulation 18.1, for the Intelsat 603 space station, and that its operations are pursuant to ITU Radio Regulation 4.4.
5. Intelsat shall prepare and submit to the Federal Communications Commission, within fifteen days following this grant, materials for submission to the ITU, pursuant to Article 8.4 of the Radio Regulations, in connection with the operations of Intelsat 603 at the 11.5° E.L. orbital location.
6. Intelsat's request that the Part 25 technical waivers previously granted to the Intelsat 603 space station for operations at the 24.5° W.L. and 19.95 ° W.L orbital locations continue to apply to the temporary operations at the 11.5° E.L. orbital location IS GRANTED. *See* Intelsat LLC, SAT-MOD-20020418-00063, SAT-AMD-20020731-00146, SAT-AMD-20020822-00159 (grant stamp dated December 12, 2002); Intelsat

Attachment to Grant
IBFS File No. SAT-STA-20100519-00104
Call Sign S2399
May 20, 2010

LLC, Memorandum Opinion and Order, 15 FCC Rcd 15460 (2000), *recon. denied*, 15 FCC Rcd 25234 (2000).

7. Any action taken or expense incurred as a result of operations pursuant to this special temporary authority is solely at Intelsat's own risk.

8. This action is issued pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. § 0.261, and is effective immediately.



*subject to conditions

File # SAT-STA-20100519-00104

Call Sign S2399 Grant Date 05/20/10
(or other identifier)

Term Dates period of
From 05/20/10 To: 30 days

Approved: Stephen J. Duall

Stephen J. Duall
Chief, Satellite Policy Branch

2. Contact	
Name:	Intelsat North America LLC
Company:	Intelsat North America LLC
Street:	c/o Intelsat Corporation
	3400 International Drive, N.W.
City:	Washington
Country:	USA
Attention:	Susan H Crandall
Phone Number:	202-944-7848
Fax Number:	202-944-7870
E-Mail:	susan.crandall@intelsat.com
State:	DC
Zipcode:	20008 -3006
Relationship:	Legal Counsel
(If your application is related to an application filed with the Commission, enter either the file number or the IB Submission ID of the related application. Please enter only one.)	
3. Reference File Number SATT/C2010011200008 or Submission ID	
4a. Is a fee submitted with this application?	
<input checked="" type="radio"/> If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114).	
<input type="radio"/> Governmental Entity <input type="radio"/> Noncommercial educational licensee	
<input type="radio"/> Other (please explain):	
4b. Fee Classification CRY - Space Station (Geostationary)	
5. Type Request	
<input type="radio"/> Change Station Location	<input type="radio"/> Extend Expiration Date
<input type="radio"/> Other	<input checked="" type="radio"/> Other
6. Temporary Orbit Location	
7. Requested Extended Expiration Date	

<p>8. Description (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)</p> <div style="border: 1px solid black; padding: 5px;"> <p>Intelsat North America LLC herein requests Special Temporary Authority for 30 days beginning May 20, 2010 to operate certain communications frequencies, along with TT&C carriers, on the Intelsat 603 satellite at 11.5 E.L. Intelsat plans to have the satellite on-station at 11.5 E.L. on May 20, 2010.</p> </div>					
<p>9. By checking Yes, the undersigned certifies that neither applicant nor any other party to the application is subject to a denial of Federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Act of 1988, 21 U.S.C. Section 862, because of a conviction for possession or distribution of a controlled substance. See 47 CFR 1.2002(b) for the meaning of "party to the application"; for these purposes.</p> <p style="text-align: right;"> <input checked="" type="radio"/> Yes <input type="radio"/> No </p>					
<p>10. Name of Person Signing Susan H. Crandall</p>	<p>11. Title of Person Signing Asst. General Counsel, Intelsat Corporation</p>				
<p>12. Please supply any need attachments.</p> <table border="1" style="width: 100%;"> <tr> <td style="width: 50%;">Attachment 1: STA Request</td> <td style="width: 50%;">Attachment 2:</td> </tr> <tr> <td></td> <td>Attachment 3:</td> </tr> </table>		Attachment 1: STA Request	Attachment 2:		Attachment 3:
Attachment 1: STA Request	Attachment 2:				
	Attachment 3:				
<p>WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND / OR IMPRISONMENT (U.S. Code, Title 18, Section 1001), AND/OR REVOCATION OF ANY STATION AUTHORIZATION (U.S. Code, Title 47, Section 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503).</p>					

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THE FOREGOING NOTICE IS REQUIRED BY THE PAPERWORK REDUCTION ACT OF 1995, PUBLIC LAW 104-13, OCTOBER 1, 1995, 44 U.S.C. SECTION 3507.

May 19, 2010

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



Re: Request for Special Temporary Authority for Intelsat 603
Call Sign: S2399

Dear Ms. Dortch:

Intelsat North America LLC ("Intelsat") herein requests Special Temporary Authority ("STA"¹) for 30 days beginning May 20, 2010 to operate certain communications frequencies, along with TT&C carriers, on the Intelsat 603 satellite (call sign S2399) at 11.5° E.L. Intelsat plans to have the satellite on-station at 11.5° E.L. on May 20, 2010.

Intelsat 603 currently is drifting pursuant to STA.² Intelsat plans, upon receipt of Commission approval, to re-flag Intelsat 603 from United States licensing to United Kingdom licensing.³ Until such time as the exchange of licensing administrations can occur, however, Intelsat needs to begin operations on the satellite at 11.5° E.L. More specifically, Intelsat needs immediately to start operating in the C-band frequency ranges listed below in order to transition two customers off of NSS-5 at 340° E.L., where they have been operating on a temporary basis while Intelsat 603 was drifting.⁴ The transition is scheduled to begin on May 20, 2010 in order to meet a contractual deadline by which Intelsat customers must be off the NSS-5 satellite.

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

² 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).

³ 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).

⁴ An STA request for operation in other C-band frequencies and in Ku-band will be submitted separately as the need for these frequencies is less immediate.

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

4040-4200 MHz (space to Earth) and 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 a global beam of the Intelsat 603 satellite with coverage of 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.⁵

Grant of this application will serve the public interest by allowing Intelsat to operate in C-band at 11.5° E.L. and thereby help ensure a timely transition of customers off of NSS-5. This, in turn, ensures continuity of service for those customers. 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.

Moreover, grant of this STA is not expected to cause any harmful interference. Intelsat agrees to operate the C-band 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.

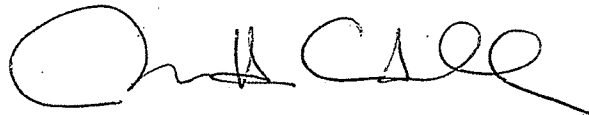
⁵ See *Applications of Intelsat-LLC for Authority to Operate and Further Construct, Launch, and Operate C-Band and Ku-Band Satellites that Form a Global Communications System in Geostationary Orbit*, 15 FCC Rcd 15460, 15529 (Appendix C) (2000) (Memorandum Opinion and Order and Authorization), *recon. denied*, 15 FCC Rcd 25234 (2000) (Order on Reconsideration).

Ms. Marlene H. Dortch
May 19, 2010
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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 will be transmitted from and to a 16.4-meter antenna and will be at power levels that will not cause interference to the W2A satellite.

For the reasons set forth herein, Intelsat respectfully requests that the Commission expeditiously grant this request to operate certain C-band frequencies on Intelsat 603 to 11.5° E.L.

Sincerely,

A handwritten signature in black ink, appearing to read "Susan H. Crandall". The signature is fluid and cursive, with a large initial "S" and a long horizontal stroke at the end.

Susan H. Crandall
Assistant General Counsel
Intelsat Corporation

cc: Bob Nelson
Karl Kensinger
Kathryn Medley
Stephen Duall