

Date & Time Filed: Jul 22 2008 5:04:24:526PM
File Number: SAT-STA-20080722-00145
Callsign: S2389

FEDERAL COMMUNICATIONS COMMISSION
APPLICATION FOR SPACE STATION SPECIAL TEMPORARY AUTHORITY
FOR OFFICIAL USE ONLY

APPLICANT INFORMATION

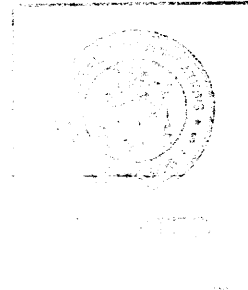
Enter a description of this application to identify it on the main menu:
STA to Drift Intelsat 602 (S2389) to 177.85 E.L.

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		

DISMISSED AS MOOT

See mod
SAT-MOD-20080512-00102
for more information.



File # _____
Call Sign _____ Grant Date 8/4/08
(or other identifier)
Term Dates
From _____ To _____
Policy Branch Chief

2. Contact

Name:	Intelsat North America LLC	Phone Number:	202-944-7848
Company:		Fax Number:	202-944-7870
Street:	c/o Intelsat Corporation	E-Mail:	susan.crandall@intelsat.com
	3400 International Drive, N.W.		
City:	Washington	State:	DC
Country:	USA	Zipcode:	20008 -3006
Attention:	Susan H. Crandall	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 SATMOD2008051200102 or Submission ID

4a. Is a fee submitted with this application?

- If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114).
- Governmental Entity Noncommercial educational licensee
- Other (please explain):

4b. Fee Classification CRY - Space Station (Geostationary)

5. Type Request

- Change Station Location Extend Expiration Date Other

6. Temporary Orbit Location
177.85 E.L.

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; margin: 5px 0;"> <p>Intelsat North America LLC herein requests Special Temporary Authority for 60 days, from 08/07/2008 through 10/05/2008, to begin drifting Intelsat 602 from 157 E.L. to 177.85 E.L., and to operate the satellite's TT&C frequencies at 177.85 E.L.</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%; border-collapse: collapse;"> <tr> <td style="width: 33%;">Attachment 1: STA Request</td> <td style="width: 33%;">Attachment 2:</td> <td style="width: 33%;">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>					

FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT

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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.

July 22, 2008

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



Re: Request for Special Temporary Authority for Intelsat 602
Call Sign: S2389

Dear Ms. Dortch:

Intelsat North America LLC ("Intelsat") herein requests Special Temporary Authority ("STA")¹ for 60 days -- from August 7, 2008 through October 5, 2008 -- to begin drifting Intelsat 602 from 157° E.L. to 177.85° E.L., and to operate the satellite's TT&C frequencies at 177.85° E.L. Intelsat has a pending application for authority to redeploy the satellite to 177.85° W.L.² As further explained below, Intelsat seeks this STA in order to begin drifting the satellite early enough to ensure that it arrives at 177.85° E.L. in time to transfer services currently on Intelsat 605 to Intelsat 602 by November 10, for the reasons explained below. Because Intelsat's underlying modification application for this redeployment may not be granted by the August 7, 2008 planned start-of-drift date, Intelsat requests expeditious grant of this STA request.

As Intelsat explained in the underlying application to modify the license for Intelsat 602 to allow its operation at 177.85° E.L., Intelsat intends to move customers currently on Intelsat 605 (at 174° E.L.) to Intelsat 602 at 177.85° E.L. because Intelsat 605 is nearing the end of its maneuver life. Intelsat 602 cannot operate at Intelsat 605's 174° E.L. location, however, because the inclination of Intelsat 602 is such that at times it would not be able to see its corresponding earth station located in Riverside, California. Accordingly, Intelsat 602 will operate at 177.85° E.L. Once traffic has been transferred from Intelsat 605 to Intelsat 602, Intelsat 605 will be de-orbited.³

During the drift of Intelsat 602, Intelsat will utilize only the satellite's TT&C frequencies and will follow industry practices for coordinating TT&C

¹ PanAmSat has filed this STA request, an FCC Form 159 and a \$790.00 filing fee electronically via the International Bureau's Filing System.

² See *Policy Branch Information; Satellite Space Applications Accepted for Filing*, Report No. SAT-00531, File No. SAT-MOD-20080512-00102 (June 20, 2008) (Public Notice).

³ The end-of-maneuver life of Intelsat 605 currently is estimated to be January 2009.

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transmissions during the relocation process. The specific TT&C frequencies are as follows:

Command:

6173.7 MHz (LHCP) and 6176.3 MHz (LHCP)

Telemetry:

3947.5 MHz (RHCP) and 3952.5 MHz (vertical/linear) or
3948.0 MHz (RHCP) and 3952.0 MHz (RHCP)⁴

Grant of this STA request is in the public interest because it will allow Intelsat to begin drifting the satellite earlier, thus allowing for a slower drift. This, in turn, will help Intelsat conserve fuel on the satellite, which already is operating in inclined orbit. In addition, grant of this STA request is in the public interest because it will help ensure that Intelsat 602 is at 177.85° E.L. in time to transfer traffic from Intelsat 605 before the latter satellite's inclination is so great that customers experience interference. As noted above, Intelsat currently plans to have the traffic transfer completed by November 10, 2008.

Grant of this STA request will not result in increased risk of harmful interference. As noted above, Intelsat will operate only TT&C frequencies during the drift, and will coordinate its TT&C transmissions with operators of satellites in the drift path. Should any interference occur during the drift, Intelsat will take all reasonable steps to eliminate such interference. At 177.85° E.L., Intelsat will operate Intelsat 602's TT&C frequencies in accordance with Intelsat's coordination agreements governing operations at the nominal 178° E.L. location. Intelsat will not operate the communications payload on the satellite at 177.85° W.L. until it has received FCC authorization to do so.

⁴ The alternate telemetry carriers will be utilized when Intelsat 602 passes Intelsat 605 at 174.0° E.L.

Ms. Marlene H. Dortch
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For the reasons set forth herein, Intelsat respectfully requests that the Commission expeditiously grant this request.

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 "C".

Susan H. Crandall
Assistant General Counsel
Intelsat Corporation

Attachments

Cc: Bob Nelson
Andrea Kelly
Karl Kensinger

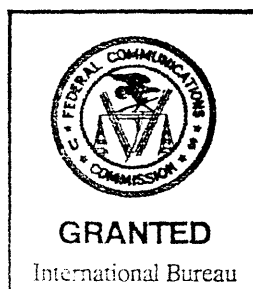
Attachment
File No. SAT-MOD-20080512-00102
Call Sign: S2389
August 4, 2008

Intelsat North America L.L.C.'s (Intelsat) request for modification of the authorization to operate its C-and Ku-band Intelsat 602 (Call Sign S2389) space station, File No. SAT-MOD-20080512-00102, IS GRANTED. Intelsat is authorized to operate the Intelsat 602 space station at the 177.85° E.L. orbital location in the 3625-4200 MHz (space-to-Earth), 5850-6245 MHz (Earth-to-space), 10.95-11.20 GHz (space-to-Earth), 11.45-11.70 GHz (space-to-Earth), and 14.00-14.50 GHz (Earth-to-space) frequency bands. Additionally, Intelsat is authorized to conduct Telemetry, Tracking, and Command operations on Intelsat 602 using the 6173.7 MHz (left-hand-circular polarization) and 6176.3 MHz (left-hand-circular polarization) center frequencies, and telemetry operations at the 3947.5 MHz (right-hand-circular polarization) and 3952.5 MHz (vertical/linear) frequencies or the 3948.0 MHz (right-hand-circular polarization) and 3952.0 MHz (right-hand-circular polarization) center frequencies to effect the satellite's drift to and operations at the 177.85° E.L. orbital location. These operations are authorized in accordance with the technical specifications set forth in the application, this Attachment, and the Commission's Rules, and subject to the following conditions:

- 1) Intelsat's operation of Intelsat 602 at this location¹ is subject to the following conditions:
 - a. Intelsat shall remain a signatory to the Public Services Agreement between Intelsat and the International Telecommunications Satellite Organization (ITSO) that was approved by the ITSO Twenty-fifth Assembly of Parties, as amended.
 - b. No entity shall be considered a successor-in-interest to Intelsat under the ITSO Agreement for licensing purposes unless it has undertaken to perform the obligations of the Public Services Agreement approved by the Twenty-fifth Assembly of Parties, as amended.
- 2) While at the 177.85° E.L. orbital location, Intelsat shall maintain the satellite with an east/west longitudinal station-keeping tolerance of .05 degrees.
- 3) Intelsat shall operate the Intelsat 602 satellite at the 177.85° E.L. orbital location in compliance with all existing or future coordination agreements for that location.

¹ In the Matter of Petition of the International Telecommunications Satellite Organization under Section 316 of the Communications Act, as Amended, IB Docket No. 06-137, , *Order of Modification*, 23 FCC Rcd 2764, 2770-71 (Int'l Bur. 2008).

- 4) Intelsat's request that the Part 25 waivers² that were originally granted to the Intelsat 602 satellite continue to apply at the 177.85° E.L. orbital location IS GRANTED.
- 5) Intelsat's request for a waiver of Section 25.114(d)(3) of the Commissions rules with respect to the presentation of coverage patterns of the telemetry, command, and ranging antenna of the Intelsat 602 space station IS GRANTED.
- 6) While at the 177.85° E.L. orbital location, Intelsat has indicated that the satellite will operate at inclined orbit, pursuant to Section 25.280 of the Commission's rules.
- 7) Intelsat's request for special temporary authority, STA-STA-20080722-00145, IS DISMISSED AS MOOT.
- 8) Intelsat is afforded thirty days from the date of release of this grant and authorization to decline this authorization as conditioned. Failure to respond within this period will constitute formal acceptance of the authorization as conditioned.
- 9) 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. Petitions for reconsideration under Section 1.106 or applications for review under Section 1.115 of the Commission's rules, 47 C.F.R. §§ 1.106, 1.115, may be filed within 30 days of the date of the public notice indicating that this action was taken.



w/canditroy

File # SAT-MOD-20080512-0010

Call Sign S2387 Grant Date 8/4/08
(or other identifier)

Term Dates

From _____ To: _____

Approved: *[Signature]*

Policy Branch Chief

² 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) *Memorandum Opinion and Order and Authorization* (2000), *recon. denied*, 15 FCC Rcd 25234 (2000), in which the Intelsat 602 satellite, among other space stations, was granted waiver of the following Part 25 rule sections: 25.202 (g), 25.210(a)(1), 25.210(a)(3), 25.210(c), 25.210(i), and 25.211(a).