



File # SAT-STA-20100816-00177

Call Sign S2391 Grant Date 08/25/10
(or other identifier)

Term Dates
From 08/20/10 To: 10/18/10

Approved by OMB
3060-0678

Approved: Stephen J. Duall
Stephen J. Duall
Chief, Satellite Policy Branch

*with conditions

Date & Time Filed: Aug 16 2010 5:25:15:923PM
File Number: SAT-STA-20100816-00177
Callsign:

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:
Request for Further Extension of STA to Operate Intelsat 801 at 29.5 W.L. (S2391)


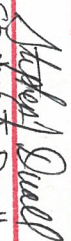
1. Applicant

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		

The request of Intelsat North America, LLC (Intelsat) for special temporary authority (STA), File No. SAT-STA-20100816-00177, is granted. Accordingly, Intelsat is authorized, for a period of 60 days commencing on August 20, 2010, to continue to operate the C- and Ku-band payloads aboard the Intelsat 801 space station (Call Sign S2391) at the 29.5° W.L. orbital location. Specifically, Intelsat is authorized to use the following telemetry, tracking, and telecommand (TT&C) frequency bands for these operations: 3947.5 MHz (RHCP), 3948.0 MHz (RHCP), 3952.0 (RHCP), and 3952.5 MHz (RHCP) (space-to-Earth); 6173.7 MHz (LHCP) and 6176.3 MHz (RHCP) (Earth-to-space). Intelsat is authorized to operate the Fixed-Satellite Service (FSS) C- and Ku-band communications payload on the Intelsat 801 space station at the 29.5° W.L. orbital location temporarily in the following frequency bands: 3625-4200 MHz (space-to-Earth), 5850-6425 MHz (Earth-to-space), 10.95-11.2 GHz (space-to-Earth), 11.45-11.95 GHz (space-to-Earth), 12.5-12.75 GHz (space-to-Earth), and 14.0-14.5 GHz (Earth-to-space). This authorization is granted in accordance with the terms, conditions, and technical specifications set forth in Intelsat's application (as supplemented), the Federal Communication Commission's rules not waived herein, and the conditions of this attachment.

1. All operations shall be on an unprotected and non-harmful interference basis, i.e., Intelsat shall not cause harmful interference to, and shall not claim protection from interference caused to it by, any other lawfully operating radiocommunication system.
2. In the event of any harmful interference as a result of the operations of Intelsat 801 at the 29.5° W.L. orbit location, Intelsat shall cease operations immediately upon notification of such interference and shall inform the Commission, in writing, immediately of such an event.
3. Intelsat shall coordinate its operations with existing geostationary satellites to ensure that no unacceptable interference results from its temporary operations at the 29.5° W.L. orbital location.
4. Intelsat shall operate the Intelsat 801 space station at the 29.5° W.L. orbital location in compliance with all existing or future coordination agreements for that location.
5. Intelsat does not seek – and is not authorized – to operate the Intelsat 801 space station's extended C-band (*i.e.*, 3625-3700 MHz and 5850-5925 MHz) or extended Ku-band (*i.e.*, 10.95-11.2 GHz and 11.45-11.7 GHz) frequencies to, from, or within the United States under this authorization.
6. Use of the 12.5-12.75 GHz frequency bands is not permitted for Fixed-Satellite Service in the space-to-Earth direction in Region 2.
7. Intelsat's request for waiver of Section 25.2100) of the Commission's rules, 47 C.F.R. 5 25.2100(f), to allow it to operate the Intelsat 801 satellite with an east-west station-keeping range of +/-0.09 degrees IS GRANTED, as conditioned. *See* Supplemental Letter from Susan H. Crandall, Assistant General Counsel, Intelsat, to Marlene H. Dorch, FCC, filed May 10, 2010. Section 25.2100(f) states that space stations "must be maintained within 0.05 degrees of their assigned orbital longitude in the east/west direction, unless specifically authorized by the Commission to operate with a different longitudinal tolerance." Intelsat states that, due to a bent solar array on the Intelsat 801, Intelsat must use low thrust firings to keep the satellite station-kept. This results in more frequent and less precise maneuvers. Intelsat states that permitting a larger station keeping box will allow it to better ensure the safe co-location of the Intelsat 801 satellite with the Intelsat 705 satellite at 29.5° W.L. orbital location. Intelsat also states that the larger stationkeeping volume will not adversely affect any other satellite operator because

- Intelsat, or its sister company, operate the co-located or immediately adjacent satellites, and because the nearest non-Intelsat satellites, which are located at 30° W.L., would not have overlapping stationkeeping volumes with Intelsat 801, even if it is operated with +/- 0.09 degree stationkeeping volume. This waiver and the operations it permits shall terminate in the event that a satellite is launched into a location such that its stationkeeping volume would overlap the Intelsat 801 satellite's +/- 0.09 degree station-keeping volume, but would not overlap the Intelsat 801 satellite's +/-0.05 degree station-keeping volume, unless Intelsat has successfully coordinated its physical operations with those of the other spacecraft. Further, this waiver is limited to this spacecraft, does not extend to any replacement satellites, and is limited to operations at the 29.5° W.L. orbital location.
8. Grant of this authorization is without prejudice to any determination that the Commission may make regarding Intelsat's pending applications for permanent operations of the Intelsat 801 space station at the 29.5° W.L. orbital location (IBFS File No. SAT-MOD-20100208-00024; SAT-AMD-20100316-00050).
 9. Any action taken or expense incurred as a result of operations pursuant to this STA is at Intelsat's own risk.
 10. Intelsat is afforded 30 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.
 11. 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.

	
GRANTED *	
International Bureau	
* with conditions	
File #	SAT-STA-20100816-00177
Call Sign (or other identifier)	S2391
Grant Date	08/25/10
Term Dates	From 08/20/10 To: 10/18/10
Approved:	 Stephen J. Duall Chief, Satellite Policy Branch

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 SATMOD2010020800024 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
29.5 W.L.

7. Requested Extended Expiration Date
2010-10-18 00:00:00.0

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.)

Intelsat North America LLC herein requests an additional 60-day extension, through October 18, 2010, of the Special Temporary Authority previously granted Intelsat to drift Intelsat 801 from 31.5 W.L. to 29.5 W.L. and operate temporarily at the 29.5 W.L. location.

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. Yes No

10. Name of Person Signing
Susan H. Crandall

11. Title of Person Signing
Asst. General Counsel, Intelsat Corporation

12. Please supply any need attachments.

Attachment 1: STA Request

Attachment 2:

Attachment 3:

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).

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.

August 16, 2010

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



Re: Request for Further Extension of Special Temporary Authority for
Intelsat 801
Call Sign: S2391

Dear Ms. Dortch:

Intelsat North America LLC ("Intelsat") herein requests an additional 60-day extension -- through October 18, 2010 -- of the Special Temporary Authority ("STA")¹ previously granted Intelsat to drift Intelsat 801 from 31.5° W.L. to 29.5° W.L. and operate temporarily at the 29.5° W.L. location.² Intelsat has a pending application for permanent authority to redeploy Intelsat 801 to 29.5° W.L.,³ where it is currently co-located with Intelsat 705.⁴

Intelsat 801 currently is located at 29.5° W.L., where it is operating both the TT&C and payload frequencies previously temporarily authorized.⁵ Grant of this STA extension request is in the public interest because it will allow

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 *Policy Branch Information; Actions Taken*, Report No. SAT-00668, File No. SAT-STA-20091216-00146 (Feb. 26, 2010) (Public Notice); *Actions Taken*, Report No. SAT-00690, File No. SAT-STA-20100416-00079 (May 14, 2010) (Public Notice); *Request for Special Temporary Authority for Intelsat 801*, File No. SAT-STA-20100616-00139 (stamp grant with conditions Aug. 6, 2010).

³ See *Policy Branch Information; Satellite Space Applications Accepted for Filing*, Report No. SAT-00678, File No. SAT-AMD-20100316-00050 (Apr. 2, 2010) (Public Notice).

⁴ See *Policy Branch Information; Actions Taken*, Report No. 00670, File No. SAT-STA-20100205-00023 (Mar. 5, 2010) (Public Notice); *Policy Branch Information; Actions Taken*, Report No. SAT-00687, File No. SAT-STA-20100423-00083 (May 7, 2010) (Public Notice); *Policy Branch Information; Actions Taken*, Report No. 00709, File No. SAT-STA-20100624-00146 (Jul. 23, 2010) (Public Notice).

⁵ As previously noted, the 12.5-12.75 GHz frequencies will be used only in ITU Region 1.

Ms. Marlene H. Dortch
August 16, 2010
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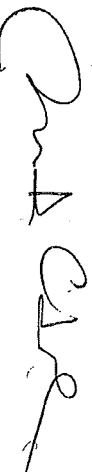
Intelsat to ensure continuity of service to C-band customers on Intelsat 801, as well as to offer Ku-band capacity at 29.5° W.L.

Grant of this STA further extension request will not result in increased risk of harmful interference. As noted in the original STA request, Intelsat will operate the satellite's C- and Ku-band communications and TT&C frequencies in conformance with its coordination agreements applicable to operation at the 29.5° W.L. location.

Intelsat has assessed and limited the probability of the space station becoming a source of debris as a result of collision with large debris or other operational space stations. Except for Intelsat 705, Intelsat 801 will not be located at the same orbital location as another satellite or at an orbital location that has an overlapping station-keeping volume with another satellite.⁶ Further, except for Intelsat 705, Intelsat is not aware of any other FCC licensed system, or any other system applied for and under consideration by the FCC, having an overlapping station-keeping volume with Intelsat 801 at 29.5° W.L. Finally, Intelsat is not aware of any satellite network with an overlapping station-keeping volume with Intelsat 801 that is the subject of an ITU filing and that is either in orbit or progressing towards launch.

For the reasons set forth herein, Intelsat respectfully requests that the Commission grant this STA further extension request.

Sincerely,



Susan H. Crandall
Assistant General Counsel
Intelsat Corporation

cc: Bob Nelson
Karl Kensinger
Kathryn Medley
Stephen Duall

⁶ Intelsat will continue to operate both satellites in the 29.5° +/- 0.05° station-keeping box. Both satellites operate in inclined orbit.