

S2395 SAT-STA-20100205-00023
Intelsat North America LLC

IB2010000507

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Callsign:

File # SAT-STA-20100205-00023

Call Sign S2395 Grant Date 03/01/10
(or other identifier)

Term Dates period of 60 days
From 03/01/10 To: 60 days

Approved: Stephen Duall

Approved by OMB
3060-0678

Stephen J. Duall
Chief, Satellite Policy Branch



* subject to conditions

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:
Request for STA to Drift Intelsat 705 to and Operate at 330.5 E.L. (29.5 W.L.) (Call Sign S2395)

I. 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
Application of Intelsat North America, LLC
IBFS File No. SAT-STA-20100205-00023

The application of Intelsat North America, LLC (Intelsat), IBFS File No. SAT-STA-20100205-00023, for special temporary authority is granted. Accordingly, Intelsat is authorized, for a period of 60 days beginning March 1, 2010, to conduct telemetry, tracking and telecommand (TT&C) necessary to drift its C- and Ku-band space station, Intelsat 705 (Call Sign S2395) from its assigned orbital location of 50° W.L. to the 29.5° W.L. orbital location, and to provide Fixed-Satellite Service temporarily at the 29.5° W.L. orbital location. Intelsat is authorized to conduct TT&C during the drift to 29.5° W.L. and while operating temporarily at 29.5° W.L. using the following frequencies: 3947.5 MHz, 3948.0 MHz, 3952.5 MHz, 3952.0 MHz (space-to-Earth), and 6173.7 MHz and 6176.3 MHz (Earth-to-space). Intelsat is authorized to provide FSS at the 29.5° W.L. temporarily under this STA in the following frequency bands: 3700-4200 MHz (space-to-Earth), 10950-11200 MHz (space-to-Earth), 11700-11950 MHz (space-to-Earth), 1150-11700 MHz (space-to-Earth), 12500-12750 MHz (space-to-Earth), and 5925-6425 MHz (Earth-to-space), and 14000-14500 MHz (Earth-to-space). This authorization is granted in accordance with the terms, conditions, and technical specifications set forth in Intelsat's application, the Federal Communication Commission's rules, and the conditions of this attachment.

1. All operations shall be on an unprotected and non-harmful interference basis, *i.e.*, Intelsat 705 shall not cause harmful interference to, and shall not claim protection from, interference cause to it by any other lawfully operating station.
2. In the event of any harmful interference, 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 or from its TT&C operations during the drift to the 29.5° W.L. orbital location.
4. During the drift to the 29.5° W.L. location, Intelsat will utilize only the TT&C frequencies specified above, and will operate pursuant to existing coordination agreements for Intelsat 705.
5. Intelsat shall operate the Intelsat 705 space station at the 29.5° W.L. orbital location in compliance with all existing or future coordination agreements for that location.
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. In connection with the provision of service in any particular country, Intelsat is obliged to comply with the applicable laws, regulations, rules, and licensing procedures of that country.

Attachment to Grant
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8. Grant of this authorization is without prejudice to any determination that the Commission may make regarding Intelsat's pending application for permanent operations of the Intelsat 705 space station at the 29.5° W.L. orbital location (IBFS File No. SAT-MOD-20100115-00010)
9. Any action taken or expense incurred as a result of operations pursuant to this special temporary authority is solely at Intelsat's own risk.
10. Grant of this application does not change the expiration date of the authorization for Intelsat 705, which is August 8, 2015.
11. 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.
12. 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 *subject to conditions	File # <u>SAT-STA-20100205-00023</u>
	Call Sign <u>S2395</u> Grant Date <u>03/01/10</u> (or other identifier)
	Term Dates From <u>03/01/10</u> To: <u>period of 60 days</u>
	Approved: <u>Stephen J. Duall</u> Stephen J. Duall Chief, Satellite Policy Branch

2. Contact	
Name: Jennifer D. Hindin	Phone Number: 202-719-4975
Company: Wiley Rein LLP	Fax Number: 202-719-7049
Street: 1776 K Street, NW	E-Mail: jhindin@wileyrein.com
City: Washington	State: DC
Country: USA	Zipcode: 20006 -
Attention:	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 SATMOD2010011500010 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 checked="" type="radio"/> Change Station Location	<input type="radio"/> Extend Expiration Date <input type="radio"/> Other
6. Temporary Orbit Location 330.5 E.L.	
7. Requested Extended Expiration Date	

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 Special Temporary Authority for 60 days beginning March 1, 2010 to drift Intelsat 705, call sign S2395, from 310.0 E.L. (50 W.L.) to 330.5 E.L. (29.5 W.L.) and begin operating at 330.5 E.L. (29.5 W.L.).

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"; 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.

February 5, 2010

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



Re: Request for Special Temporary Authority for Intelsat 705 to Drift to
and Operate at 330.5° E.L. (29.5° W.L.)
Call Sign: S2395

Dear Ms. Dortch:

Intelsat North America LLC (“Intelsat”) herein requests Special Temporary Authority (“STA”)¹ for 60 days—from March 1, 2010 through April 30, 2010—to drift the Intelsat 705 satellite (call sign S2395) from 310.0° E.L. (50° W.L.)² to 330.5° E.L. (29.5° W.L.) and then operate the satellite at the 330.5° E.L. (29.5° W.L.) location. Intelsat has a pending application to modify the Intelsat 705 license to allow it to relocate the satellite to, and operate at, 330.5° E.L. (29.5° W.L.),³ where it will be co-located with Intelsat 801.⁴

Intelsat expects to have Intelsat 705 at 330.5° E.L. (29.5° W.L.) within 10 weeks of beginning the drift. During the drift, Intelsat will utilize only Intelsat 705’s TT&C frequencies and will follow industry practices for coordinating

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 The Intelsat 1R satellite (call sign S2368) has special temporary authorization to operate at 50° W.L. until March 18, 2010. *Policy Branch Information; Actions Taken*, Report No. SAT-00660, DA 10-89, File No. SAT-STA-20100111-00005 (released Jan. 15, 2010; effective Jan. 14, 2010). PanAmSat Licensee Corp. also has a pending application for operation of the Intelsat 1R satellite at 50° WL. *PanAmSat Licensee Corp.*, Application to Modify Authorization for Intelsat 1R (S2368), File No. SAT-MOD-20090720-00073 (filed July 20, 2009).

³ *Intelsat North America LLC, Application to Modify Authorization for Intelsat 705*, File No. SAT-MOD-20100115-00010 (filed Jan. 15, 2010). This pending modification application noted that the drift of Intelsat 705 to 330.5° E.L. (29.5° W.L.) was planned for February 15, 2010. The start of the drift has been delayed until March 1, 2010.

⁴ See *Intelsat North America LLC, Request for Special Temporary Authority for Intelsat 801*, File No. SAT-STA-20091216-00146 (filed Dec. 16, 2009) (seeking Special Temporary Authority to operate the Intelsat 801 satellite at 29.5° W.L. beginning in February 2010).

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

Uplink:

6173.7 MHz (LHCP)

6176.3 MHz (LHCP)

Downlink:

3947.5 MHz (RHCP)

3948.0 MHz (RHCP)

3952.5 MHz (RHCP)

3952.0 MHz (RHCP)

Grant of this STA request is in the public interest because it will enable Intelsat to provide robust service to customers. In particular, the Intelsat 705 satellite will be used at the 330.5° E.L. (29.5° W.L.) orbital location to provide 2010 World Cup-related transmissions in June and July 2010. These World Cup-related transmissions cannot be accommodated on Intelsat 801 at the same location because Intelsat 801 is too highly inclined to support such transmissions.

Grant of the STA also will serve the public interest by affording the Commission additional time to complete its review of Intelsat's pending modification application to relocate Intelsat 705 to, and operate at, 330.5° E.L. (29.5° W.L.). Because the pending modification application has not yet been placed on Public Notice, it may not be granted in time to provide service to customers for the World Cup. Intelsat understands and accepts that a grant of STA would not prejudice the Commission's determination of Intelsat's request to operate Intelsat 705 at 330.5° E.L. (29.5° W.L.) on a permanent basis, and operation of the satellite at that location pursuant to STA is at Intelsat's risk.

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 the 330.5° E.L. (29.5° W.L.) location, Intelsat will operate the satellite's communications payload in conformance with its coordination agreements covering the 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 801, Intelsat 705 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.⁵ Further, except for Intelsat 801, 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 705 at 330.5° E.L. (29.5° W.L.). Finally, Intelsat is not aware of any satellite network with an overlapping station-keeping volume with Intelsat 705 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 request.

Sincerely,

/s/ Susan H. Crandall

Susan H. Crandall
Assistant General Counsel
Intelsat Corporation

cc: Bob Nelson
Karl Kensinger
Kathryn Medley
Stephen Duall

⁵ Intelsat will operate both satellites in the 29.5° +/- 0.05° station-keeping box. Both satellites operate in inclined orbit, which facilitates sharing of the station-keeping box.