

Approved by OMB
3060-0678

Date & Time Filed: Jun 30 2006 5:54:30:640PM
File Number: SAT-STA-20060630-00073
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:
Intelsat 709 - Application for Special Temporary Authority

1. Applicant

Name:	Intelsat North America LLC	Phone Number:	202-944-7848
DBA Name:		Fax Number:	202-944-7860
Street:	c/o Intelsat Global Svc. Corp. 3400 International Drive, N.W.	E-Mail:	susan.crandall@intelsat.com
City:	Washington	State:	DC
Country:	USA	Zipcode:	20008 -3006
Attention:	Susan H. Crandall		



File # SAT-STA-20060630-00073

Call Sign _____ Grant Date 7/10/06

Call Sign (Modifier) _____
Term Dates
From 7/10/06 To: 9/8/06

Applicant: Cassandra G. Thomas

Attachment
Call Sign S2396
SAT-STA-20060630-00073

With this grant, Intelsat LLC is authorized to operate the Intelsat 709 satellite in the 11.7-11.95 GHz (downlink) and 14-14.25 MHz (uplink) frequency bands at the 85.15° E.L. orbital location, in order to provide satellite service to U.S. government Earth stations, for a period of 60 days, until September 8, 2006, in accordance with the technical parameters specified in Exhibit B of its application, and subject to the following conditions:

- 1) Intelsat LLC's operations shall be on a non-interference basis, i.e., Intelsat LLC shall not cause harmful interference to, and shall not claim protection from harmful interference caused to it by, any other lawfully operating satellites;
- 2) In the event that any harmful interference does occur, Intelsat LLC shall cease operations;
- 3) This authorization does not grant Intelsat any authority for earth station operations. Any such operations will need to be authorized pursuant to the applicable laws, regulations, rules and licensing procedures for the government of the country or governments of the countries to which such operations are subject.
- 4) Prior to operating pursuant to this authorization, Intelsat shall confirm that operations in the 14-14.25 MHz band will meet all limits imposed by coordination agreements with adjacent satellite operators, taking into account all operational characteristics of the Earth stations involved.
- 5) The power flux density of emissions in the 11.7-11.95 MHz band at the Earth's surface shall not exceed the following limits in a reference bandwidth of 1 MHz:

For angles of arrival of 0-5° above the horizontal plane, -124 dB(W/m²);
For angles of arrival of 5-25° above the horizontal plane, -124 + 0.5(δ-5)dB(W/m²), where δ is the angle of arrival ;
For angles of arrival of 25-90° above the horizontal plane, -114 dB(W/m²).

2. Contact	
Name: Chin Yoo	Phone Number: 202-719-3581
Company: Wiley Rein & Fielding LLP	Fax Number: 202-719-7049
Street: 1776 K Street, NW	E-Mail: cyoo@wrf.com
City: Washington	State: DC
Country: USA	Zipcode: 20006 -
Attention: Chin Yoo	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 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 checked="" type="radio"/> Other	
6. Temporary Orbit Location	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.)		
Application for Special Temporary Authority to fulfill an immediate need for service for U.S. Government operations in the Middle East.		
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.		
<input checked="" type="radio"/> Yes		<input type="radio"/> No
10. Name of Person Signing Susan Crandall	11. Title of Person Signing Assistant General Counsel, IGSC	
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).		

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June 30, 2006

Chin Kyung Yoo
202.719.3581
cyoo@wrf.com

VIA IBFS

Ms. Marlene H. Dortch
Secretary
Federal Communications Commission
236 Massachusetts Avenue, N.E., Suite 110
Washington, DC 20002

Re: Request for Special Temporary Authority for INTELSAT 709
Call Sign: S2396

Dear Ms. Dortch:

Intelsat North America LLC ("Intelsat") herein requests Special Temporary Authority ("STA")¹ for 60 days to provide service using the INTELSAT 709 satellite at 85.15° E.L. using frequencies in the 11.7-11.95 GHz band. The STA is necessary to fulfill an immediate need for service for U.S. Government operations in the Middle East.² Intelsat therefore requests expeditious treatment of this STA request.

Grant of the STA request will not result in increased risk of harmful interference, as demonstrated in the attached Exhibit. Intelsat intends to shortly file an application requesting modification of the license for INTELSAT 709 to permit permanent operation on the requested frequencies. With that application, Intelsat will also prepare and submit the necessary filings to be sent to the International Telecommunication Union.

Grant of this STA request will serve the public interest by fulfilling U.S. national security needs. In addition, grant of this STA request will not result in an increased risk of harmful interference. Intelsat acknowledges that it may be required by the FCC to discontinue operations if any such interference does occur.

¹ Intelsat has filed this STA request, an FCC Form 159, and a \$735.00 filing fee electronically via the International Bureau's Filing System.

² See 47 C.F.R. § 25.120 (allowing applicants to apply for STA when there is an immediate need for use of facilities and granting such requests when the delay in the institution of "temporary operations would seriously prejudice the public interest").

Wiley Rein & Fielding LLP

June 30, 2006

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

Respectfully submitted,

/s/ Chin Kyung Yoo

Chin Kyung Yoo
Counsel for Intelsat North America LLC

cc (via e-mail): Robert Nelson
 Frank Peace

EXHIBIT

INTERFERENCE SCENARIO IN THE 11.7-11.95 GHz BAND AROUND 85°E

INTELSAT-709, which is operational at 85.15°E pursuant to a FCC license, does have a Ku band payload in the 11.7-11.95 GHz band which can operate in conjunction with the 14.0-14.25 GHz uplink band. Ku band spots of 709 currently provide services to Asia, Africa and Middle East in FSS Ku bands. However, the band 11.7-11.95 GHz is part of the BSS Plan bands in ITU Regions 1 & 3.

The Regions 1 & 3 BSS Plan provides for allocation of these bands to Russia, Bhutan, and Cambodia from the 86°E orbital location. Also there are APP.30 BSS Plan amendment filings made by EUTELSAT, MEASAT, and VINASAT at 86°E and CHINASAT at 84°E. However, none of these systems are operational and according to publicly available information these BSS satellites are also not under active implementation.

The prevailing operational satellite scenario in an 8° arc around 85°E is reproduced below.

76.5	0.07	Apstar 2R	C	C, Ku	
78.5	0.09	Thaicom 3	C	C, Ku	
78.5	0.10	Thaicom 2	C	C, Ku	
79.8	3.83	Cosmos 2371	MC	C	
80.0	0.05	Express AM2	C	L, C, Ku	
80.3	0.11	DFH 52	M	L	
83.0	0.10	Insat 2E	C/W	C	
83.0	0.13	Insat 3B	C	S, C, Ku	
83.0	0.07	Insat 4A	C	C, Ku	
84.9	9.58	TDRS 3	M	S, C, Ku	unstable
85.0	1.10	Raduga 1-7	MC	C, X	
85.1	0.05	Intelsat 709	C	C, Ku	
87.5	0.07	Chinastar 1	C	C, Ku	
88.0	0.05	ST 1	C	C, Ku	
90.0	0.07	Yamal 201	C	C	
90.0	2.58	Yamal 102	C	C	
90.7	0.09	DRTS W	C	S, Ka	
91.5	0.09	Measat 1	C	C, Ku	
93.5	0.09	Insat 3A	C/W	C, Ku	

None of these operational satellites carry a payload that can operate in the 11.7-11.95 GHz band. Accordingly, it can be concluded that any operations of 709 in this band

would neither cause harmful interference to other adjacent operating satellites nor receive harmful interference from them.