

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
Request for STA to Operate a 9.2m Ka-band Antenna at Intelsat's Riverside Teleport

I. Applicant

Name:	Intelsat License 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		



with Added conditions
File # SES-STA-20110509-00568
Call Sign N/A **Grant Date** 06/13/2011
(or other identifier) **Term Dates**
From Launch To +30 days
Approved: [Signature]

Conditions of Grant of SES-STA-20110509-00568

Intelsat Licenses LLC is granted Special Temporary Authority to transmit to the ViaSat-1 satellite on 29.5005 GHz and 29.503 GHz (uplink, RHCP) and receive from the ViaSat-1 satellite on 19.701 GHz and 19.703 GHz (downlink, RHCP) for 30 days commencing upon the day of launch and expiring no later than 30 September 2011 using a 9.2m antenna located at its Riverside, CA teleport to provide launch and early orbit phase (LEOP) services to the ViaSat-1 satellite. Earth station operations are limited to transmission and reception applied for in Attachment 1 to form 312 of this application under the following conditions.

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 station.
2. In the event that there is a report of interference, Intelsat must immediately terminate transmissions and notify the FCC in writing.
3. Intelsat must comply with all FAA antenna height restrictions defined in 47 CFR Part 17.
4. The LEOP operations will be coordinated with all operators of satellites that use the same frequency bands and are in the LEOP path. All operators of satellites in that path will be provided with an emergency phone number where the licensee can be reached in the event that harmful interference occurs. The 24x7 contact information for the ViaSat-1 LEOP mission is as follows: Ph.: (202) 944-7701 – East Coast Operations Center (primary);(310) 525-5900 – West Coast Operations Center (back-up)
5. Intelsat must make all reasonable and customary measures to ensure that the temporary earth station does not create a potential for harmful non-ionizing radiation to persons who may be in the vicinity of the earth station when it is in operation. At a minimum, permanent warning labels shall be fixed to the earth station and its housing warning of the radiation hazard and including a diagram showing the regions around the earth station where radiation levels could exceed 1 .0mW/cm². The earth station operator shall be responsible for assuring that individuals do not stray into the regions around the earth station where there is a potential for exceeding the maximum permissible exposure limits required by 47 C.F.R. §1.1310. This shall be accomplished by means of signs, caution tape, verbal warnings, placement of the earth station so as to minimize access to the hazardous region, and/or other appropriate means.
6. Though market access and the Transfer and Emergency link budget was approved via SAT-LOI-20080107-00006 the power flux density (PFD) of the VIASAT-1 may be no greater than -124.3 dBW/m²/MHz during the launch and early operation phase of VIASAT when it is not at it's GSO location.

7. Any extension of the STA must be supported by completion of US 334 coordination.
8. The authority to operate granted in connection with this earth station application shall become effective upon grant of an authorization for space operations under the UK Outer Space Act (1986). This authorization shall immediately cease in the event of denial of any request for such authorization.

With Added conditions



File# SES-STA-20110509-00568

Call Sign N/A Grant Date 06/13/2011
(or other identifier)

Term Dates
From Launch To +30 days

Approved: Paul E. Hall

May 9, 2011

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



Re: Request for Special Temporary Authority
9.2m Ka-band Antenna, Riverside, California

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests Special Temporary Authority (“STA”)¹ for 30 days commencing June 6, 2011 to utilize a 9.2m Ka-band antenna located at its Riverside, CA teleport to provide launch and early orbit phase (“LEOP”) services to the ViaSat-1 satellite, which is scheduled to be launched on June 6, 2011.²

The ViaSat-1 LEOP operations will be performed in the following frequency bands: 29.5005 GHz and 29.503 GHz (uplink, RHCP) and 19.701 GHz and 19.703 GHz (downlink, RHCP).

The LEOP operations will be coordinated with all operators of satellites that use the same frequency bands and are in the LEOP path.³ All operators of satellites in that path will be provided with an emergency phone number where the licensee can be reached in the event that harmful interference occurs.

The 24x7 contact information for the ViaSat-1 LEOP mission is as follows:

Ph.: (202) 944-7701 – East Coast Operations Center (primary)
(310) 525-5900 – West Coast Operations Center (back-up)

¹ Intelsat has filed its STA request, an FCC Form 159, a \$175.00 filing fee and this supporting letter electronically via the International Bureau’s Filing System (“IBFS”).

² ViaSat-1 will be in-orbit tested at 109.2 W.L. The satellite’s permanent orbital location will be 115.1° W.L. The satellite is licensed by the Isle of Man and has been authorized to serve the United States. *See Policy Branch Information; Actions Taken*, Report No. SAT-00627, File No. SAT-LOI-20080107-00006 (Aug. 24, 2009) (Public Notice).

³ Space Systems Loral, the manufacturer of the ViaSat-1 satellite and the manager of its LEOP mission, will do the coordination.

Ms. Marlene H. Dortch

May 9, 2011

Page 2

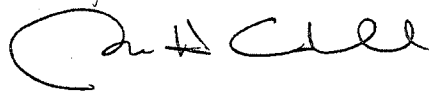
Request to speak with Harry Burnham or Mike Munion.

In further support of this request, Intelsat notes that for purposes of the ViaSat-1 LEOP mission, it is seeking to operate in the frequencies listed above at the nominal power level of 88 dBW. As noted above, the transmissions proposed herein will be coordinated with potentially affected operators of co-frequency satellites. In the extremely unlikely event that harmful interference should occur, Intelsat will take all reasonable steps to eliminate the interference.

Grant of this STA request will enable Intelsat to help launch the ViaSat-1 satellite. This will serve the public interest by providing additional broadband service to consumers in the United States.

Please direct any questions regarding this STA request to the undersigned at (202) 944-7848.

Respectfully submitted,



Susan H. Crandall
Assistant General Counsel
Intelsat Corporation

cc: Paul Blais

2. Contact

Name: Susan H. Crandall **Phone Number:** 202-944-7848
Company: Intelsat Corporation **Fax Number:** 202-944-7870
Street: 3400 International Drive, N.W. **E-Mail:** susan.crandall@intelsat.com
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 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 CGX – Fixed Satellite Transmit/Receive Earth Station

5. Type Request

- Use Prior to Grant Change Station Location Other

6. Requested Use Prior Date

7. City/Nuevo

8. Latitude
(dd mm ss.s h) 33 47 42.7 N

9. State CA	10. Longitude (dd mm ss.s h) 117 5 22.5 W
11. Please supply any need attachments. Attachment 1: STA Request Attachment 2: Attachment 3:	
12. 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 License LLC herein requests Special Temporary Authority for 30 days commencing June 6, 2011 to utilize a 9.2m Ka-band antenna located at its Riverside, CA teleport to provide launch and early orbit phase services to the Viasat-1 satellite, which is scheduled to be launched on June 6, 2011.	
13. 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	
14. Name of Person Signing Susan H. Crandall	15. Title of Person Signing Asst. General Counsel, IntelSat Corporation
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

The public reporting for this collection of information is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the required data, and completing and reviewing the collection of information. If you have any comments on this burden estimate, or how we can improve the collection and reduce the burden it causes you, please write to the Federal Communications Commission, AMD-PERM, Paperwork Reduction Project (3060-0678), Washington, DC 20554. We will also accept your comments regarding the Paperwork Reduction Act aspects of this collection via the Internet if you send them to PRA@fcc.gov. PLEASE DO NOT SEND COMPLETED FORMS TO THIS ADDRESS.

Remember – You are not required to respond to a collection of information sponsored by the Federal government, and the government may not conduct or sponsor this collection, unless it displays a currently valid OMB control number or if we fail to provide you with this notice. This collection has been assigned an OMB control number of 3060-0678.

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.