

SEE Condition Attach

File # SES-STA-2004-0407-00518

Call Sign KA275 Grant Date 6/15/04

(or other identifier)

From 6/21/04 Term Date 8/21/04

Approved: Jeanette D. Spriggs April 6, 2004



**GRANTED**

International Bureau



Legal Department

KA275  
Intelsat LLC

SES-STA-20040407-00518

IB2004000747

Ms. Marlene Dortch  
Secretary  
Federal Communications Commission  
445 12<sup>th</sup> Street, S.W.  
Washington, D.C. 20554

*DN 5/12/04*

RE: Request for Special Temporary Authority  
Clarksburg, Maryland Earth Station (KA275)

Dear Ms. Dortch:

Intelsat LLC herein requests a grant of Special Temporary Authority from June 21, 2004 through August 21, 2004 to provide tracking, telemetry and command (TT&C) LEOP (launch and early orbit phase) services by the above-referenced earth station in support of the Telstar-18 satellite which is currently scheduled for launch on or about June 22, 2004. In support of its request, Intelsat LLC submits the following information:

Intelsat LLC uses this earth station to support various satellite launches. Intelsat LLC herein requests a grant of Special Temporary Authority to permit it to provide TT&C LEOP services in support of the Telstar-18 launch via the above-referenced earth station. There will be no provision of communications services; only TT&C LEOP will be provided.

The TT&C LEOP services to be provided by Intelsat LLC will be entirely consistent with its radio station license and fully compatible with the earth station's electromagnetic environment. These TT&C LEOP services will not cause harmful interference into any lawfully operating earth station. In the extremely unlikely event that such interference should occur, Intelsat LLC will take all reasonable steps to eliminate the interference.

The frequency power usage will be coordinated with all existing satellites in orbit, which use the same frequency bands, and are in the satellite's path. All other satellite operators in that path will be provided with an emergency phone number where the licensee can be reached in the event that harmful interference occurs.

**CONDITION:**

With reference to Article 18 of the ITU Radio Regulations, the United States is not the "government of the country to which" the Telstar 18/ApstarV/Tongasat space station is subject. Operations of earth station call sign E000296 are expressly conditioned upon that space station (or those space stations) having been licensed by the government of the country to which the station is subject.

With reference to Article 18 of the ITU Radio Regulations, the United States is not the "government of the country to which" the Telstar 18/ApstarV/Tongasat space station is subject. Operations of earth station call sign KA275 are expressly conditioned upon that space station (or those space stations) having been licensed by the government of the country to which the station is subject.

A grant of Special Temporary Authority will enable Intelsat LLC to provide TT&C LEOP services that are critical to placing and maintaining the spacecraft in its proper orbit and will thereby promote the public interest.

Intelsat LLC herein certifies that it is not subject to a denial of federal benefits pursuant to the Anti-drug Abuse Act.

Respectfully submitted,  
Intelsat LLC

By /s/ Robert A. Mansbach  
Robert A. Mansbach  
Its Attorney

cc: F. Peace



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**APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY  
FOR OFFICIAL USE ONLY**  
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Menu

**APPLICANT INFORMATION**

Enter a description of this application to identify it on the main menu:  
Intelsat LLC's Request for STA from June 21, 2004 through August 21, 2004 for Earth Station KA275 in Clarksburg, MD

<b>1. Applicant</b>	
Name: Intelsat LLC	Phone Number: 202-944-7891
DBA Name:	Fax Number: 202-944-7860
Street: 3400 International Drive, N.W.	E-Mail: robert.mansbach@intelsat.com
City: Washington	State: DC
Country: USA	Zipcode: 20008 -3006
Attention: Robert A Mansbach	
<b>2. Contact</b>	
Name: Robert A Mansbach	Phone Number: 202-944-7891
Company: Intelsat LLC	Fax Number: 202-944-7860
Street: 3400 International Drive, N.W.	E-Mail: robert.mansbach@intelsat.com
City: Washington	State: DC
Country: USA	Zipcode: 20008 -3006
Contact Title: Assistant General Counsel	Relationship: Legal Counsel
<b>3. Reference File Number</b>	
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 CGX	
<b>5. Type Request</b>	

<input type="radio"/> Use Prior to Grant <input type="radio"/> Change Station Location <input checked="" type="radio"/> Other		
6. Requested Use Prior Date 6/21/2004		
7. City Clarksburg	8. Latitude (dd mm ss.s h) 39 13 7 N	
9. State MD	10. Longitude (dd mm ss.s h) 77 16 12 W	
11. Please supply any need attachments.		
Attachment 1: <input type="text" value="No. 1"/>	Attachment 2: <input type="text" value="Attachment"/>	Attachment 3: <input type="text" value="Attachment"/>
12. Description. Intelsat LLC requests Special Temporary Authority from June 21, 2004 through August 21, 2004 to provide TT&C LEOP services by earth station KA275 in support of the Telstar-18 satellite launch on or about June 22, 2004.		
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 Patrick Cerra		15. Title of Person Signing Vice President
<b>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).</b>		

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**Special Temporary Authority Application**  
 Summary of Conventional C-band Earth Station Technical Information  
 For Coordination with NTIA

Date send to OET: 4/8/2004

Applicant: Intelsat LLC

File No.: SES-STA-20040407-00518  
 Call Sign: KA-275

Purpose of STA: to provide TT&C LEOP (Launch and Early Orbit phase) in support of the upcoming launch of the Telstar-18 satellite

STA term: 60 days from June 21, 2004 ending August 21, 2004

Site Location: COMSAT Clarksburg Facility  
 22300 COMSAT Drive  
 Clarksburg, MD 20871 (Montgomery County)

Latitude: 39 ° 13' 7" N.  
 Longitude: 077 ° 16' 12" W.

Transmit frequency: 5925-6425 MHz  
 Receive frequency: 3700-4200 MHz

Polarization: Circular

Antenna Size: 19.2 m  
 Gain: Tx: 59.1 dBi 6.0 GHz  
 Rx: 55.6 dBi 4.0 GHz

Maximum antenna height: 20.1 m (above ground level)  
 161 m (above mean sea level)

<u>Frequency Band</u>	<u>Emissions</u>	<u>Maximum E.I.R.P.</u>	<u>Maximum E.I.R.P. Density</u>
3700-4200 MHz	800KFXD		
5925-6425 MHz	800KFXD	93.0	70.0

Satellite: Telstar-18  
 Satellite (W. Long.): Various (LEOP requirement)  
 Elevation Angle (E/W): 5.0 degrees (minimum)  
 Azimuth (E/W): 0.0/360 degrees

\*\*\* EMC analysis and Certification letter submitted 2/19/02