

KA258 SES-STA-20150213-00074 IE2015000266  
Intelsat License LLC

Approved by OMB  
3060-0678

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 Using Hagerstown, Maryland Earth Station KA258

1. Applicant

**Name:** Intelsat License LLC **Phone Number:** 703-559-7848  
**DBA Name:** **Fax Number:** 703-559-8539  
**Street:** c/o Intelsat Corporation **E-Mail:** susan.crandall@intelsat.com  
7900 Tysons One Place  
**City:** McLean **State:** VA  
**Country:** USA **Zipcode:** 22102 -5972  
**Attention:** Susan H. Crandall

30 days "with conditions"



File # 555-STA-20150213-00074

Call Sign KA258 Grant Date 04/13/2015  
(or other identifier)

Term Dates From 04/24/2015 To: 05/23/2015

Approved: [Signature]

Applicant: Intelsat License LLC  
Call Sign: KA258  
File No.: SES-STA-20150213-00074  
Special Temporary Authority (STA)


Intelsat License LLC ("Intelsat") is granted a Special Temporary Authority (STA), for 30 days, beginning April 24, 2015, to use its Ku band earth station in Hagerstown, Maryland, Call Sign KA258, to provide launch and early orbit phase (LEOP) services to the Turkmenistan-1 satellite, location at 52° E.L. licensed by Turkmenistan under the following conditions:

1. Uplink (Earth-to-space) frequencies to Turkmenistan-1 satellite are 14001 MHz and 14002.5 MHz (RHCP) center frequencies within coordinated emission and power limits.
2. Downlink (space-to-Earth) frequencies from Turkmenistan-1 satellite are 11201 MHz and 11449 MHz (LHCP) center frequencies.
3. The LEOP operations must 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. Currently the 24x7 contact information for the Turkmenistan-1 satellite LEOP mission is as follows: Ph.: (703) 559-7701 –East Coast Operations Center (primary); (310) 525-5591- West Coast Operations Center (back-up). Requests to speak with Harry Burnham or Kevin Bell.
4. All operations under this grant of STA shall be on an unprotected and non-harmful interference basis. Intelsat's KA258 shall not cause harmful interference to, and shall not claim protection from interference caused to it by, any other lawfully operating radio communication system.
5. In the event of any harmful interference as a result of operations under this grant of STA, Intelsat shall cease operations immediately upon notification of such interference and shall immediately inform the Commission, in writing, of such an event.
7. Any action taken or expense incurred as a result of operations pursuant to this STA is solely at Intelsat License LLC's risk.

This grant is issued pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. § 0.261, and is effective upon release.

*With conditions*

*SES-STA-20150213-00074*

 <b>GRANTED</b> International Bureau	Call Sign <u>KA258</u>	Grant Date <u>04/13/2015</u>
	(or other identifier)	Term Dates
	From <u>04/24/2015</u>	To: <u>05/23/2015</u>
	Approved <u>Paul E. [Signature]</u>	

<b>2. Contact</b>	
<b>Name:</b> Susan H. Crandall	<b>Phone Number:</b> 703-559-7848
<b>Company:</b> Intelsat Corporation	<b>Fax Number:</b> 703-559-8539
<b>Street:</b> 7900 Tysons One Place	<b>E-Mail:</b> susan.crandall@intelsat.com
<b>City:</b> McLean	<b>State:</b> VA
<b>Country:</b> USA	<b>Zipcode:</b> 22102 -5972
<b>Attention:</b>	<b>Relationship:</b> 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    CGX - Fixed Satellite Transmit/Receive Earth Station	
5. Type Request	
<input type="radio"/> Use Prior to Grant <input type="radio"/> Change Station Location <input checked="" type="radio"/> Other	
6. Requested Use Prior Date	
7. City Hagerstown	8. Latitude (dd mm ss.s h)    39    35    54.0    N

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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 12, 2015

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

Re: Request for Special Temporary Authority  
Hagerstown, Maryland Earth Station KA258

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests a grant of Special Temporary Authority (“STA”)<sup>1</sup> for 30 days, commencing March 24, 2015, to use its Hagerstown, Maryland Ku-band earth station—call sign KA258—to provide launch and early orbit phase (“LEOP”) services for Turkmenistan-1, which is expected to be launched no earlier than March 28, 2015.<sup>2</sup> The LEOP period is expected to last approximately 10 days.<sup>3</sup>

The proposed operations will be performed using the following frequencies: 14001.0 MHz and 14002.5 MHz in the uplink (RHCP), and 11201.0 MHz and 11449.0 MHz in the downlink (LHCP). The proposed operations will be coordinated with all operators of satellites that use the same frequency bands and are in the LEOP path.<sup>4</sup> All operators of potentially affected satellites 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 Turkmenistan-1 mission is as follows:

Ph.: (703) 559-7701 – East Coast Operations Center (primary)  
(310) 525-5591 – West Coast Operations Center (back-up)

Request to speak with Harry Burnham or Kevin Bell.

In further support of this request, Intelsat hereby attaches Exhibits A and B, which contain waiver requests. In the extremely unlikely event that harmful interference should occur due to transmissions to

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<sup>1</sup> Intelsat has filed its STA request, an FCC Form 159, a \$195.00 filing fee, and this supporting letter electronically via the International Bureau’s Filing System (“IBFS”).

<sup>2</sup> The permanent orbital location for Turkmenistan-1, which Intelsat understands is licensed by Turkmenistan, will be at 52.0° E.L. The in-orbit testing location will be 52.0° E.L.

<sup>3</sup> Intelsat is seeking authority for 30 days to accommodate a possible launch delay.

<sup>4</sup> Telespazio, the manager of the Turkmenistan-1 LEOP mission, will handle the coordination.

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or from its earth station, Intelsat will take all reasonable steps to eliminate the interference. Intelsat also notes that for purposes of the Turkmenistan-1 mission, it is seeking to operate in the frequencies listed in this request at power levels not to exceed 21 dBW.

Finally, Intelsat clarifies that during the Turkmenistan-1 launch, Telespazio will serve as the mission manager. Thales Alenia Space, the spacecraft manufacturer, will build and send the commands to the Intelsat antenna, which will process and execute the commands. Telemetry received by Intelsat will be forwarded to Thales Alenia Space. Intelsat will remain in control of the baseband unit, RF equipment, and antenna.

Grant of this STA request will allow Intelsat to help launch the Turkmenistan-1 satellite. This, in turn, will provide new service at the 52.0° E.L. orbital location and thereby promotes the public interest.

Please direct any questions regarding this STA request to the undersigned at (703) 559-6949.

Respectfully submitted,

A handwritten signature in blue ink that reads "Cynthia J. Grady". The signature is fluid and cursive, with the first name being the most prominent.

Cynthia J. Grady  
Regulatory Counsel  
Intelsat Corporation

cc: Paul Blais