

E000296 SES-STA-20150505-00287 IE2015000870
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 Extension of 30-Day Special Temporary Authority Using Hagerstown, Maryland Earth Station E000296

1. Applicant

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


30 days
"Extension with conditions"

File # SES-STA-20150505-00287

Call Sign E000296 Grant Date 05/14/2015
(or other identifier)

Term Dates
From 05/13/2015 To 06/11/2015

Approved: *[Signature]*



GRANTED
International Bureau

Applicant: Intelsat License LLC
Call Sign: E000296
File No.: SES-STA-20150505-00287
Special Temporary Authority (STA)



"Extension with conditions"
File # SES-STA-20150505-00287
Call Sign E000296 Date 05/14/2015
(or other identifier)
Term Dates
From 05/13/2015 To 06/11/2015
Approved: Paul E. Glick

Intelsat License LLC ("Intelsat") is granted an extension to SES-STA-20150316-00161, beginning May 13, 2015, to operate its earth station E000296 at Hagerstown, MD, to provide launch and early orbit phase (LEOP) services for ABS-3A satellite at permanent orbital location 3° W.L., licensed by the Papua New Guinea administration. The in-orbit testing location will be 3° W.L.

1. Uplink (Earth-to-space) frequencies will be on 6420.0 MHz and 6425.0 MHz (LHCP) within the coordinated emission and power limits.
2. Downlink (space-to-Earth) frequencies will be on 4194.5 MHz and 4197.0 MHz (LHCP).
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 ABS-3A satellite LEOP 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.
4. Grant of this STA is without prejudice to any determination that the Commission may make regarding pending or future Intelsat License LLC applications.
5. All operations under this grant of STA shall be on an unprotected and non-harmful interference basis. Intelsat's E000296 shall not cause harmful interference to, and shall not claim protection from interference caused to it by, any other lawfully operating radio communication system.
6. 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.

May 5, 2015

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

Re: Request for Extension of Special Temporary Authority
Hagerstown, Maryland Earth Station E000296

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein requests an additional 30 days—from May 10, 2015 through June 8, 2015—of the Special Temporary Authority (“STA”)¹ originally granted to Intelsat to use its Hagerstown, Maryland C-band earth station—call sign E000296—to provide launch and early orbit phase (“LEOP”) services for the ABS-3A satellite.² The ABS-3A satellite was successfully launched on March 1, 2015.³ The LEOP period is expected to last approximately 240 days.⁴

The ABS-3A LEOP operations will continue to be performed in the following frequency bands: 6420.00 MHz and 6425.0 MHz in the uplink (LHCP), and 4194.5 MHz and 4197.0 MHz in the downlink (LHCP). The LEOP operations will continue to be coordinated with all operators of satellites that use the same frequency bands and are in the LEOP path.⁵ 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 ABS-3A LEOP mission is as follows:

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

¹ 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”).

² See *Satellite Communications Services Information; Actions Taken*, Report No. SES-01739, File No. SES-STA-20150316-00161 (Apr. 8, 2015) (Public Notice).

³ The permanent orbital location for ABS-3A, which Intelsat understands is licensed by Papua New Guinea, will be at 3° W.L. The in-orbit testing location will be 3° W.L.

⁴ Intelsat also has a pending application seeking authority for 180 days to accommodate the longer orbit-raising time period required for an electric propulsion satellite. See *Satellite Communications Services; Satellite Radio Applications Accepted for Filing*, Report No. SES-01738, File No. SES-STA-20150316-00160 (Apr. 8, 2015) (Public Notice).

⁵ Intelsat will handle the coordination.

Ms. Marlene H. Dortch
May 5, 2015
Page 2

Request to speak with Harry Burnham or Kevin Bell.

In further support of this extension request, Intelsat incorporates by reference Exhibits A and B included with its original STA request, which contain technical information that demonstrates that the operation of the earth station will be compatible with its electromagnetic environment and will not cause harmful interference into any lawfully operating terrestrial facility, as well as a waiver request. Intelsat also notes that for purposes of the ABS-3A LEOP mission, it is seeking to continue to operate in the frequencies listed in its original request at power levels not to exceed 25.5 dBW. The technical information submitted with its original STA request reflects a power level as high as 34.0 dBW because Intelsat might operate at this level in the event an emergency necessitates the use of a higher power level in order to command the satellite. In the extremely unlikely event that harmful interference should occur due to transmissions to or from its earth station, Intelsat will take all reasonable steps to eliminate the interference.

Finally, Intelsat clarifies that during the ABS-3A LEOP mission, Boeing will continue to serve as the mission manager. Boeing will build and send the commands to the Intelsat antenna, which will continue to process and execute the commands. Telemetry received by Intelsat will continue to be forwarded to Boeing. Intelsat will continue to perform the ranging sessions by sending a tone to the spacecraft periodically. Intelsat will remain in control of the baseband unit, RF equipment, and antenna.

Grant of this STA extension request will allow Intelsat to continue to help launch the ABS-3A satellite. This, in turn, will result in the provision of VSAT, TV distribution, IP trunking, cellular backhaul, and maritime services from the 3° W.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,



Cynthia J. Grady
Regulatory Counsel
Intelsat Corporation

cc: Paul Blais

2. Contact	
Name:	Cynthia J. Grady
Company:	Intelsat Corporation
Street:	7900 Tysons One Place
City:	McLean
Country:	USA
Attention:	
Phone Number:	703-559-6949
Fax Number:	703-559-8539
E-Mail:	cynthia.grady@intelsat.com
State:	VA
Zipcode:	22102 -5972
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 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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12. Description

Intelsat License LLC herein requests an additional 30 days, from May 10, 2015 through June 8, 2015, of the Special Temporary Authority originally granted to Intelsat to use its Hagerstown, Maryland C-band earth station, call sign E000296, to provide launch and early orbit phase services for the ABS-3A satellite. The ABS-3A satellite was successfully launched on March 1, 2015.