

S2469 SAT-STA-20140312-00030 IB2014000455
Intelsat License LLC
Galaxy 26



File # SAT-STA-20140312-00030

Call Sign 52469 Grant Date 04/02/14

(or other identifier)

Term Dates period of

From 03/20/14

To: 30 days

Approved by OMB
3060-0678

Approved: _____

Stephen J. Duall
Stephen J. Duall
Chief, Satellite Policy Branch

Date & Time Filed: Mar 12 2014 4:47:20:603PM
File Number: SAT-STA-20140312-00030
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:

Request for Extension of Special Temporary Authority for Galaxy 26 (Call Sign S2469)

1. 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		

Intelsat License LLC
IBFS File No. SAT-STA-20140312-00030
Call Sign: S2469

The application of Intelsat License LLC (Intelsat) for special temporary authority, IBFS File No. SAT-STA-20140312-00030 is GRANTED. Specifically, Intelsat is authorized, for a period of 30 days, commencing on March 20, 2014, to perform Telemetry, Tracking, and Command (TT&C) operations with the Galaxy 26 space station (Call Sign S2469) necessary to maintain Galaxy 26 at the 49.9° E.L. orbital location, using the following C-band frequencies: 4196.5 MHz (vertical polarization/space-to-Earth) or 4199.5 MHz (vertical polarization/space-to-Earth); 6315.0 MHz (vertical polarization/Earth-to-space) and 4090.0 MHz (horizontal polarization/space-to-Earth); 5926.5 MHz (right-hand circular polarization/Earth-to-space), and 6411.0 MHz (right-hand circular polarization/Earth-to-space). Additionally, Intelsat is authorized to continue to operate the Galaxy 26 space station at the 49.9° W.L. orbital location, to provide Fixed Satellite Services in the Ku-band frequencies of 11.7-12.2 GHz and 14.0-14.5 GHz in accordance with International Telecommunication Union filings of the Turkish Administration. Operations pursuant to this authorization must be in accordance with conditions imposed as part of Galaxy 26's authorization to operate at this orbital location granted on March 2, 2012. See IBFS File No. SAT-MOD-20110420-00073 (grant stamp, dated Mar. 2, 2012).

1. All operations under this grant of special temporary authority must be on an unprotected and non-harmful interference basis, *i.e.*, Intelsat must not cause harmful interference to, and must not claim protection from interference caused to it by, any other lawfully operating radiocommunication system.

2. In the event of any harmful interference as a result of the operations under this grant of special temporary authority, Intelsat must cease operations immediately upon notification of such interference and must immediately inform the Commission, in writing, of such an event.

3. Intelsat must coordinate the operations of Galaxy 26 with existing geostationary space stations to ensure that no unacceptable interference results from its operations at the 49.9° E.L. orbital location.

4. Intelsat's request that the waiver of Section 25.202(g) previously granted to Intelsat for Galaxy 26 at 50.0° E.L. continues to apply at 49.9° E.L. is granted.

5. Any action taken or expense incurred as a result of operations pursuant to this grant of special temporary authority is at Intelsat's own risk.

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



*with conditions

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(or other identifier)

Term Dates period of
From 03/20/14 To: 30 days

Approved: Stephen J. Duall

Stephen J. Duall
Chief, Satellite Policy Branch

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 CRY – Space Station (Geostationary)

5. Type Request

- Change Station Location Extend Expiration Date Other

6. Temporary Orbit Location

7. Requested Extended Expiration Date
2014-04-18 00:00:00.0

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.)

Intelsat License LLC herein requests a 30-day extension, beginning March 20, 2014, of Special Temporary Authority previously granted Intelsat to operate the Galaxy 26 satellite in the C- and Ku-bands at 49.9 E.L., where the satellite is currently located, pursuant to the ITU filings of the Turkish Administration for that location.

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. Yes No

10. Name of Person Signing
Susan H. Crandall

11. Title of Person Signing
Assoc. General Counsel, Intelsat Corporation

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).

FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT

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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.

March 12, 2014

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



Re: Request for Extension of Special Temporary Authority for
Galaxy 26
Call Sign: S2469

Dear Ms. Dortch:

Intelsat License LLC ("Intelsat") herein requests a 30-day extension – beginning March 20, 2014 – of Special Temporary Authority ("STA")¹ previously granted Intelsat to operate the Galaxy 26 satellite in the C- and Ku-bands at 49.9° E.L., where the satellite is currently located, pursuant to the ITU filings of the Turkish Administration for that location.²

On February 18, 2014, Intelsat began drifting the Galaxy 26 satellite from 50.0° E.L. to 49.9° E.L. pursuant to STA, because the operator of Turksat-4A is conducting in-orbit testing of that satellite at precisely 50.0° E.L.³ Prior to Galaxy 26's move from 50.0° E.L. to 49.9° E.L., the Commission granted Intelsat STA to operate Galaxy 26's TT&C and payload frequencies at 50.0° E.L. for 30 days beyond the end of the satellite's March 15, 2014 license term in order to ensure that Intelsat's U.S. Government customers served by Galaxy 26 have time to transition to a new satellite.⁴ Intelsat herein seeks similar authority for the Galaxy 26 satellite at 49.9° E.L.

¹ Intelsat has filed this STA request, an FCC Form 159 and an \$860.00 filing fee electronically via the International Bureau's Filing System.

² See *Policy Branch Information; Actions Taken*, Report No. SAT-00998, File No. SAT-STA-20140212-00022 (Feb. 21, 2014) (Public Notice) ("the Galaxy 26 Drift Authority").

³ See *id.*

⁴ See *Intelsat License LLC, Request for Special Temporary Authority for Galaxy 26 Call Sign: S2469*, File No. SAT-STA-20140123-00009 (filed Jan. 23, 2014) (stamp grant, Feb. 12, 2014) (the "Galaxy 26 STA for 50.0° E.L."). Intelsat subsequently surrendered the Galaxy 26 STA for 50.0° E.L. following Galaxy 26's move to 49.9° E.L. See Letter

Ms. Marlene H. Dortch
March 12, 2014
Page 2

The specific TT&C frequencies of the satellite are as follows:

Primary command: 5926.5 MHz (RHCP) (uplink)
Back-up command: 6411 MHz (RHCP) (uplink)
Telemetry: 4196.5 MHz (V) or 4199.5 MHz (V)
Ranging: 6315 MHz (V) (uplink)
 4090 MHz (H) (downlink)

The specific communications payload frequencies of the satellite are as follows:

14000-14500 MHz (uplink)
11700-12200 MHz (downlink)⁵

As the Commission is aware, Intelsat had planned to de-orbit Galaxy 26 at the end of its original license term of March 15, 2014 from its 50.0° E.L. orbital location. Prior to de-orbit, the U.S. Government customers currently served by Galaxy 26 were scheduled to move to the ABS-2 satellite (a/k/a ST-3 and Koreasat-8), which originally had been scheduled to launch in January 2014. However, the ABS-2 satellite launch was delayed until February 6, 2014. As a result of this delay, absent the Commission granting this STA extension request, the U.S. Government customers would experience service interruption upon the expiration of the Galaxy 26 Drift Authority term on March 19, 2014 until the ABS-2 satellite becomes fully operational a short time thereafter.⁶ The ABS-2 satellite is currently undergoing in-orbit

from Susan H. Crandall, Intelsat, to Marlene H. Dortch, FCC (Feb. 20, 2014). Pursuant to the Galaxy 26 Drift Authority, the satellite is authorized to operate at 49.9° E.L. through March 19, 2014, which is why Intelsat is seeking a 30-day STA from the March 20, 2014 date. See Galaxy 26 Drift Authority.

⁵ Intelsat will continue to comply with the conditions previously imposed on the operation of the Galaxy 26 satellite in the 11700-12200 MHz frequency band. See *Policy Branch Information; Actions Taken*, Report No. SAT-00613, File No. SAT-MOD-20090309-00034 (June 19, 2009) (Public Notice).

⁶ Intelsat currently expects to transfer the U.S. Government customers to ABS-2 by the end of March. Intelsat has requested temporary

testing, and is expected to be fully operational sometime in late March. Consequently, Intelsat herein requests that the Commission authorize Intelsat temporarily to continue operating the Galaxy 26 satellite in the aforementioned frequency bands at 49.9° E.L. until April 19, 2014 to ensure continuity of service.

Intelsat requests that the waiver of Section 25.202(g) previously granted Intelsat for Galaxy 26 at 49.9° E.L. continue to apply through the expiration of this STA. At the 49.9° E.L. location, Intelsat will continue to comply with the condition previously imposed on its operation of Galaxy 26's TT&C operations at 50.0° E.L.⁷ At the conclusion of this STA on April 19, 2014, Intelsat plans to de-orbit the satellite as previously approved by the Commission.⁸

Grant of this STA request is in the public interest because it will allow Intelsat to continue to provide U.S. Government customers with capacity in the Indian Ocean until they can be transferred to ABS-2. Grant of this STA request will not result in risk of harmful interference as Intelsat will continue to operate Galaxy 26 pursuant to the coordination agreements of the Turkish Administration for the 49.9° E.L. location.⁹

operational authority through April 19, 2014 to accommodate possible slippage in the traffic transfer schedule.

⁷ See *Policy Branch Information; Actions Taken*, Report No. SAT-00613, File No. SAT-MOD-20090309-00034 (June 19, 2009) (Public Notice).

⁸ See *Policy Branch Information; Actions Taken*, Report No. SAT-00851, File No. SAT-MOD-20110420-00073 (Mar. 9, 2012), Engineering Statement at 6-7. Intelsat confirmed that it expects to dispose of the spacecraft by moving it to a planned minimum altitude of 150 kilometers (perigee) above the geostationary arc. Intelsat has reserved 63.5 kilograms of fuel for this purpose. The fuel gauging uncertainty has been taken into account in these calculations.

⁹ Intelsat previously filed a letter from Türksat Satellite Communication Cable TV and Operation Inc. confirming Intelsat's authority to operate a satellite at 50.0° E.L. pursuant to ITU filings of the Government of Turkey. See *Supplement to Application to Modify Authorization to Relocate Galaxy 26 to 50.0° E.L.*, File No. SAT-MOD-20110420-00073 (filed June 8, 2011).

Ms. Marlene H. Dortch
March 12, 2014
Page 4

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

Sincerely,

A handwritten signature in black ink, appearing to read "Susan H. Crandall", written in a cursive style.

Susan H. Crandall
Associate General Counsel
Intelsat Corporation

cc: Kathryn Medley
Stephen Duall
Jay Whaley
Cindy Spiers