

S2388 SAT-STA-20120416-00068 IB2012001055
Intelsat License LLC
Intelsat 702



File # SAT-STA-20120416-00068
Call Sign S2388 Grant Date 05/09/12
(or other identifier)
Term Dates period of
From 04/20/12 To: 30 days
Approved: Stephen J. Duall
Stephen J. Duall
Chief, Satellite Policy Branch

Approved by OMB
3060-0678

Date & Time Filed: Apr 16 2012 3:13:35:233PM
File Number: SAT-STA-20120416-00068
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 Intelsat 702 (S2388)

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		

Attachment to Grant
IBFS File No. SAT–STA–20120416–00068
Call Sign S2388

The application of Intelsat License LLC (Intelsat), IBFS File No. SAT–STA–20120416–00068, for special temporary authority to continue to operate Telemetry, Tracking, and Telecommand (TT&C) frequencies necessary to maintain the Intelsat 702 space station (Call Sign S2388) at the 47.5° E.L. orbital location is GRANTED. Accordingly, Intelsat is authorized for a period not to exceed 30 days, commencing April 20, 2012, to continue to conduct TT&C operations using the following center frequencies: 6173.7 MHz and 6176.3 MHz (Earth-to-space); 3947.5 MHz; 3948.0 MHz, 3952.5 MHz, and 3952.0 MHz (space-to-Earth). Additionally, we grant Intelsat's request for special temporary authority to continue to operate Intelsat 702 at the 47.5° E.L. location on a temporary basis using the following frequency bands: 5925-6425 MHz and 14.0-14.5 GHz (Earth-to-space); and 3700-4200 MHz, 10.95-11.2 GHz, 11.45-11.7 GHz and 12.5-12.75 GHz (space-to-Earth). These operations are authorized in accordance with the technical specifications set forth in Intelsat's application, Federal Communications Commission (Commission) rules not waived herein, and the following conditions:

1. All operations at the 47.5° E.L. orbital location shall be on 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 of any harmful interference during Intelsat 702's operation at the 47.5° E.L. orbital location, Intelsat shall cease operations immediately upon notification of such interference, and shall inform the Commission, in writing, immediately of such an event.
3. Intelsat shall maintain full operational control of Intelsat 702 at all times.
4. While at the 47.5° E.L. orbital location, Intelsat shall maintain the Intelsat 702 space station with an east/west longitudinal station-keeping tolerance of +/- 0.05 degrees.
5. Any action taken or expense incurred as a result of operations pursuant to this special temporary authority is solely at Intelsat's own risk.
6. Intelsat's request that the waivers of Sections 25.202(g), 25.210(a)(1), 25.210(a)(3), 25.210(c), 25.210(i), and 25.211(a) of the Commission's rules, 47 C.F.R. §§ 25.202(g), 25.210(a)(1), 25.210(a)(3), 25.210(c), 25.210(i), and 25.211(a), granted to Intelsat 702 in 2000, continue to apply to Intelsat 702's operations at the 47.5° E.L. location, is granted as conditioned in the 2000 authorization.¹
7. This authorization is issued on the understanding that this grant is not an approval of any specific agreement entered into by Intelsat, its subsidiaries, and affiliates, nor of any specific provision of any such agreement, concerning operation of the Intelsat 702 space station, nor is it an approval of an agreement concerning any related matter, nor of any specific provision of any such agreement concerning any related matter.
8. This authorization is issued on the understanding that this grant does not in any way express a view concerning, or agreement as to, the validity or lack of validity of any

¹ See Applications of Intelsat LLC for Authority to Operate and Further Construct, Launch and Operate C-Band and Ku-Band Satellites that Form a Global Communications System in Geostationary Orbit, 15 FCC Rcd 15460, 15529 (Appendix C) (2000) (Memorandum Opinion and Order and Authorization), *recon. denied*, 15 FCC Rcd 25234 (2000).

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International Telecommunication Union (ITU) filing at or within the vicinity of the 47.5° E.L. orbital location.

9. This authorization is also issued on the understanding that the United States remains the licensing administration, for purposes of ITU Radio Regulation 18.1, for the Intelsat 702 space station, and that its operations at 47.5° E.L. are pursuant to ITU Radio Regulation 4.4.


10. Intelsat is obliged to comply with the applicable laws, regulations, rules, and licensing procedures of any country in which it seeks to provide service.

11. Intelsat's use of the 10.95-11.2 GHz and 11.45-11.7 GHz bands is subject to footnote US211 to the United States Table of Frequency Allocations, 47 C.F.R. § 2.106, US211, which urges applicants for airborne or space station assignments to take all practicable steps to protect radio astronomy observations in the adjacent bands from harmful interference, consistent with footnote US74.

12. Intelsat's operation of the Intelsat 702 space station in the 10.95-11.2 GHz and 11.45-11.7 GHz bands is limited to international operations in accordance with footnote NG 104 to the United States Table of Frequency Allocations, 47 C.F.R. § 2.106, NG 104, and footnote 2 of Section 25.202(a)(1) of the Commission's rules, 47 C.F.R. § 25.202(a)(1).

13. Intelsat 702 shall not provide Fixed-Satellite Service in the space-to-Earth direction in the 12.5-12.75 GHz frequency band in ITU Region 2.

14. This action is issued pursuant to the Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. § 0.261, and is effective immediately. Petitions for reconsideration under Section 1.106 or applications for review under Section 1.115 of the Commission's rules, 47 C.F.R. §§ 1.106, 1.115, may be filed within 30 days of the date of the public notice indicating that this action was taken.

 GRANTED International Bureau *with conditions	File # <u>SAT-STA-20120416-00068</u>
	Call Sign <u>S2388</u> Grant Date <u>05/09/12</u> (or other identifier)
	Term Dates period of From <u>04/20/12</u> To: <u>30 days</u>
	Approved: <u>Stephen J. Duall</u> 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
2012-05-19 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 an additional 30-day extension, from April 20, 2012 through May 19, 2012, of the Special Temporary Authority previously granted Intelsat to drift Intelsat 702 from 50.0 E.L. to 47.5 E.L. and operate the satellite at 47.5 E.L. under U.S. authorization pursuant to the filings of the German Administration.

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
Asst. 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.

April 16, 2012



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 Intelsat 702
Call Sign: S2388

Dear Ms. Dortch:

Intelsat License LLC ("Intelsat") herein requests an additional 30-day extension – from April 20, 2012 through May 19, 2012 -- of the Special Temporary Authority ("STA")¹ previously granted Intelsat to drift Intelsat 702 from 50.0° E.L. to 47.5° E.L. and operate the satellite at 47.5° E.L. under U.S. authorization pursuant to the filings of the German Administration.²

Intelsat 702 currently is located at 47.5° E.L. Intelsat originally expected to operate Intelsat 702 at 47.5° E.L. until it is de-orbited. However, due to changes in Intelsat's deployment plan, Intelsat now expects to redeploy the satellite to a different location in the next few months.³ Intelsat has a pending 180-day STA request to continue operating Intelsat 702 at 47.5° E.L. during the time period until that redeployment.⁴

At 47.5° E.L, Intelsat will continue to utilize the following TT&C frequencies:

Uplink:

6173.7 MHz and 6176.3 MHz (LHCP)

¹ Intelsat has filed this STA request, an FCC Form 159 and an \$830.00 filing fee electronically via the International Bureau's Filing System.

² See *Policy Branch Information; Actions Taken*, Report No. SAT-00857, File No. SAT-STA-2012 (Apr. 6, 2012); See *Policy Branch Information; Actions Taken*, Report No. SAT-00810, File No. SAT-STA-20110715-00129 (Sep. 13, 2011) (Public Notice).

³ Intelsat withdrew its application to transfer licensing authority for Intelsat 702 from the United States to Germany. See *Policy Branch Information; Actions Taken*, Report No. SAT-00763, File No. SAT-STA-20101203-00255 (Mar. 4, 2011) (Public Notice).

⁴ *Policy Branch Information; Satellite Space Applications Accepted for Filing*, Report No. SAT-00858, File No. SAT-STA-20120329-00063 (Apr. 6, 2012) (Public Notice).

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Downlink:

3947.5 MHz and 3948.0 MHz (RHCP)
3952.5 MHz and 3952.0 MHz (RHCP)

Intelsat will continue to utilize the following communications payload frequencies:

Uplink:

5925-6425 MHz
14.0-14.5 GHz

Downlink:

3700-4200 MHz

10.95-11.2 GHz
11.45-11.7 GHz
12.5-12.75 GHz⁵

Grant of this STA further extension request will serve the public interest by ensuring continuity of service to customers at 47.5° E.L. In addition, grant of this STA extension request will not result in increased risk of harmful interference.

At 47.5° E.L., Intelsat's operation of the Intelsat 702 frequencies will continue to be consistent with Germany's coordination agreements regarding the location.

Intelsat has assessed and limited the probability of the space station becoming a source of debris as a result of collision with large debris or other operational space stations. Intelsat 702 will not be located at the same orbital location as another satellite or at an orbital location that has an overlapping station-keeping volume with another satellite. Further, Intelsat is not aware of any

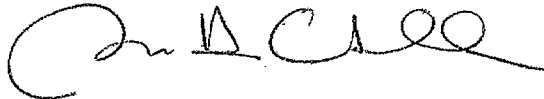
⁵ Although Intelsat 702 also has the capability to transmit in the frequency band 11.7-11.95 GHz, Intelsat does not intend to utilize this frequency band from the 47.5° E.L. orbital location.

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other FCC licensed system, or any other system applied for and under consideration by the FCC, having an overlapping station-keeping volume with Intelsat 702 at 47.5° E.L. Finally, Intelsat is not aware of any system with an overlapping station-keeping volume with Intelsat 702 at 47.5° E.L. that is the subject of an ITU filing and that is either in orbit or progressing towards launch.

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

Sincerely,

A handwritten signature in black ink, appearing to read "Susan H. Crandall". The signature is fluid and cursive, with a large initial "S" and "C".

Susan H. Crandall
Assistant General Counsel
Intelsat Corporation

cc: Bob Nelson
Stephen Duall
Kathryn Medley
Jay Whaley