



File # SAT-STA-20100330-00059

Call Sign S2459 Grant Date 08/06/10

(or other identifier)

Term Dates period of 90 days Approved by OMB
3060-0678

From 06/25/10

To: 90 days

Approved: Stephen J. Duall

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

Date & Time Filed: Mar 30 2010 5:51:48:613PM
File Number: SAT-STA-20100330-00059
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:
STA Request for Intelsat 2 (S2459) to 157.0 E.L.

1. Applicant

Name:	PanAmSat Licensee Corp.	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
Application of PanAmSat Licensee Corp.
IBFS File No. SAT-STA-20100330-00059
Call Sign S2459
August 6, 2010

The application of PanAmSat Licensee Corp. (PanAmSat) for special temporary authority, IBFS File No. SAT-STA-20100330-00059, as supplemented by letters dated March 30, 2010, May 19, 2010, and June 19, 2010, is granted.¹ PanAmSat is authorized, for a period of 90 days beginning June 25, 2010, to operate the communications payload on the Intelsat 2 space station (Call Sign S2459) at the 157° E.L. orbital location in the 3700-4200 MHz (space-to-Earth), 5925-6425 MHz (Earth-to-space), 12.25-12.75 GHz (space-to-Earth), and 14.0-14.5 GHz (Earth-to-space) frequency bands.² This authorization is granted in accordance with the terms, conditions, and technical specifications set forth in PanAmSat's application, the Federal Communications Commission's rules, and the conditions of this attachment.

1. All operations shall be on an unprotected and non-harmful interference basis, i.e., the Intelsat 2 space station shall not cause harmful interference to, and shall not claim protection from interference caused to it by, any other lawfully operating station. In the event of any harmful interference, PanAmSat shall cease operations immediately upon notification of such interference, and shall inform the Commission, in writing, immediately of such event.
2. PanAmSat shall coordinate its operations with existing geostationary satellites to ensure that no unacceptable interference results from its temporary operations at the 157° E.L. orbital location.
3. PanAmSat shall maintain full operational control of Intelsat 2 at all times.
4. While at the 157° E.L. orbital location, PanAmSat shall maintain the Intelsat 2 spacecraft with an east/west longitudinal station-keeping tolerance of +/- 0.05 degrees.
5. In connection with the provision of service in any particular country, PanAmSat is obliged to comply with the applicable laws, regulations, rules, and licensing procedures of that country.
6. Grant of this authorization does not convey to PanAmSat any authority to operate a space station at the 157° E.L. orbital location beyond the term granted herein, nor any priority in the United States satellite licensing process relative to applications for authority to operate a regularly authorized satellite at this orbital position.

¹ PanAmSat's application was placed on Public Notice on May 21, 2010. See Public Notice, *Policy Branch Information: Satellite Space Station Applications Accepted for Filing*, Report No. SAT-00692, rel. May 21, 2010. No comments were received in response to this Public Notice.

² PanAmSat was previously granted special temporary authority, for a period of 90 days commencing June 25, 2010, to conduct telemetry, tracking, and telecommand operations necessary to drift Intelsat 2 to the 157° E.L. orbital location and to maintain the spacecraft at that location upon arrival. PanAmSat's request to operate temporarily the communications payload on the Intelsat 2 space station at 157° E.L. was deferred. See IBFS File No. SAT-STA-20100330-00059 (granted-in-part, deferred-in-part, June 25, 2010).

Attachment to Grant



Application of PanAmSat Licensee Corp.

IBFS File No. SAT-STA-20100330-00059

Call Sign S2459

August 6, 2010

7. Grant of this special temporary authorization does not constitute a finding pursuant to Section 25.161(c) of the Commission's rules.
8. Grant of this special temporary authorization is without prejudice to any decision regarding PanAmSat's ability to file an application for authorization to operate a replacement space station in the 12.25-12.75 GHz and 14.25-14.50 GHz frequency bands at the 169.1° E.L. orbital location. Grant of this special temporary authorization does not constitute an announcement that these frequencies are available for reassignment.
9. Any action taken or expense incurred as a result of operations pursuant to this special temporary authority is solely at PanAmSat's own risk.
10. PanAmSat is afforded thirty days from the date of release of this grant and authorization to decline this authorization as conditioned. Failure to respond within this period will constitute formal acceptance of the authorization as conditioned.
11. 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.

	File # SAT-STA-20100330-00059
GRANTED * International Bureau	Call Sign S2459 Grant Date 08/06/10 (or other identifier)
* with conditions	Term Dates period of From 06/25/10 To: 30 days
	Approved:  Stephen J. Duall Chief, Satellite Policy Branch

2. Contact

Name:	Susan H. Crandall	Phone Number:	202-944-7848
Company:	c/o 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
1570 E.L.

7. Requested Extended Expiration Date

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.)

PanAmSat Licensee Corp. herein requests Special Temporary Authority for 90 days beginning June 1, 2010 to drift Intelsat 2 (call sign S2459) from 169.10 E.L. to 157.0 E.L. and to operate the satellite temporarily in the C- and Ku-bands at 157.0 E.L.

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

The public reporting for this collection of information is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the required data, and completing and reviewing the collection of information. If you have any comments on this burden estimate, or how we can improve the collection and reduce the burden it causes you, please write to the Federal Communications Commission, AMD-PERM, Paperwork Reduction Project (3060-0678), Washington, DC 20554. We will also accept your comments regarding the Paperwork Reduction Act aspects of this collection via the Internet if you send them to PRA@fcc.gov. PLEASE DO NOT SEND COMPLETED FORMS TO THIS ADDRESS.

Remember – You are not required to respond to a collection of information sponsored by the Federal government, and the government may not conduct or sponsor this collection, unless it displays a currently valid OMB control number or if we fail to provide you with this notice. This collection has been assigned an OMB control number of 3060-0678.

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 30, 2010

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



Re: Request for Special Temporary Authority to Drift and
Operate Intelsat 2
Call Sign S2459

Dear Ms. Dortch:

PanAmSat Licensee Corp. ("PanAmSat") herein requests Special Temporary Authority ("STA")¹ for 90 days beginning June 1, 2010 to drift Intelsat 2 (call sign S2459) from 169.10° E.L. to 157.0° E.L. and to operate the satellite temporarily in the C- and Ku-bands at 157.0° E.L. PanAmSat subsequently will file an STA request and permanent license modification application to redeploy Intelsat 2 to another location after its temporary stay at 157.0° E.L.

Intelsat 2 is currently operating at 169.10° E.L.,² where it is collocated with Intelsat 5 (call sign S2704).³ Following traffic transfer from Intelsat 2 to other Intelsat spacecraft and subject to receipt of FCC approval, Intelsat 2 will be relocated temporarily to 157.0° E.L.

During the drift of Intelsat 2 from 169.10° E.L. to 157.0° E.L., PanAmSat will utilize only the satellite's TT&C frequencies and will follow industry practices for coordinating TT&C transmissions during the relocation process. The specific TT&C frequencies are as follows:

Uplink:

6424.5 MHz (H)
5925.5 MHz (H)

¹ PanAmSat 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-00574, File No. SAT-MOD-20080811-00153 (Jan. 16, 2009) (Public Notice).

³ See *Policy Branch Information; Actions Taken*, Report No. SAT-00561, File No. SAT-MOD-20080725-00150 (Oct. 24, 2008) (Public Notice).

Ms. Marlene H. Dortch
March 30, 2010
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Downlink:

4198.5 MHz (H, V)
4199.5 MHz (H, V)

Grant of this STA request is in the public interest because it will allow PanAmSat to conduct temporary operations at 157.0° E.L. before moving the satellite to a different location, thus ensuring maximum fleet flexibility. Moreover, because Intelsat 2 currently is collocated with Intelsat 5 at the nominal 169.0° E.L. location, the redeployment of Intelsat 2 will not result in a loss of service at that location.

Grant of this STA request will not result in increased risk of harmful interference. As noted above, PanAmSat will operate only the above listed TT&C frequencies during the drift, and will coordinate its TT&C transmissions with operators of satellites in the drift path. Should any interference occur during the drift, PanAmSat will take all reasonable steps to eliminate such interference. Once on-station at 157.0° E.L., PanAmSat will operate the communications payload in conformance with Intelsat's coordination agreements related to that location.

PanAmSat 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 2 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, PanAmSat is not aware of any other FCC licensed system, or any other system applied for and under consideration by the FCC, having an overlapping station-keeping volume with Intelsat 2 at 157.0° E.L. Finally, PanAmSat is not aware of any system with an overlapping station-keeping volume with Intelsat 2 at 157.0° E.L. that is the subject of an ITU filing and that is either in orbit or progressing towards launch.

Ms. Marlene H. Dortch
March 30, 2010
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For the reasons set forth herein, PanAmSat respectfully requests that the Commission expeditiously grant this request.

Sincerely,

A handwritten signature in black ink, appearing to read "S. Crandall". The signature is written in a cursive style with a large initial "S" and a long horizontal stroke.

Susan H. Crandall
Assistant General Counsel
Intelsat Corporation

cc: Karl Kensinger
Kathryn Medley
Stephen Duall

May 19, 2010

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



Re: Request for Special Temporary Authority to Drift and Operate
IntelSat 2, File No. SAT-STA-20100330-00059; Call Sign S2459

Dear Ms. Dortch:

PanAmSat Licensee Corp. (“PanAmSat”) herein supplements the above-referenced pending request for Special Temporary Authority (“STA”) for 90 days beginning June 1, 2010 to drift IntelSat 2 (call sign S2459) from 169.10° E.L. to 157.0° E.L. and to operate the satellite temporarily in the C- and Ku-bands at 157.0° E.L.¹ First, PanAmSat requests a change in the start date of the STA. Instead of the June 1, 2010 start date originally requested, PanAmSat now requests a start date of June 25, 2010. Second, in response to a request from the International Bureau staff, this letter specifies the proposed operational frequencies, geographic service area, and disposal plan for the IntelSat 2 satellite.

Operational Frequencies. PanAmSat seeks STA to operate the IntelSat 2 satellite in the following frequencies:

5925–6425 MHz (Earth-to-space)
3700–4200 MHz (space-to-Earth)
14000–14500 MHz (Earth-to-space)
12250–12750 MHz (space-to-Earth).

Geographic Service Area. The IntelSat 2 satellite will provide service to Asia, Australia and the Pacific Ocean. IntelSat does not seek to provide service to, from, or within the United States.

Orbital Debris Mitigation Plan. An orbital debris mitigation plan for the IntelSat 2 satellite has previously been filed with and approved by the FCC in an application for modification to operate the satellite’s current orbital location

¹ See Request for Special Temporary Authority to Drift and Operate IntelSat 2, File No. SAT-STA-20100330-00059 (filed Mar. 30, 2010).

Ms. Marlene H. Dortch
May 19, 2010
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of 169.1° E.L.² This orbital debris mitigation plan has not changed and is incorporated by reference.

For the reasons set forth herein, PanAmSat respectfully requests that the Commission grant PanAmSat's pending STA request as supplemented with this letter.

Sincerely,

/s/ Susan H. Crandall

Susan H. Crandall
Assistant General Counsel
Intelsat Corporation

cc: Robert Nelson
Kathryn Medley
Stephen Duall

² *PanAmSat Licensee Corp. Application to Modify Authorization to Relocate Intelsat 2 to 169.10° E.L., Engineering Statement at 5-7, File No. SAT-MOD-20080811-00153 (filed Aug. 11, 2008).*

June 25, 2010

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



Re: Request for Special Temporary Authority for Intelsat 2, SAT-STA-20100330-00059
Call Sign: S2459

Dear Ms. Dortch:

PanAmSat Licensee Corp. (“PanAmSat”) herein supplements the above-referenced pending request for Special Temporary Authority (“STA”) for 90 days beginning June 25, 2010 to drift Intelsat 2 (call sign S2459) from 169.10° E.L. to 157.0° E.L. and to operate the satellite temporarily in the C- and Ku-bands at 157.0° E.L.¹ In response to a request from the International Bureau staff, this letter specifies the changes in operational frequencies at the nominal 169° E.L. orbital location that would result from grant of this STA request.²

Intelsat 2 is co-located with Intelsat 5 (call sign S2704) at 169.10° E.L.³ Intelsat 2 uses the 5925-6425 MHz, 3700-4200 MHz, 14000-14500 MHz, and 12250-12750 MHz frequencies. Intelsat 5 uses the 5925-6425 MHz, 3700-4200 MHz, 12750-13250 MHz, 14000-14250 MHz, 10700-10950 MHz, and 11200-11700 MHz frequencies. Accordingly, upon Intelsat 2’s departure from 169.10° E.L., the 14.25-14.50 GHz and 12.25-12.75 GHz frequencies will no longer be utilized.

¹ See *PanAmSat Licensee Corp. Request for STA to Drift and Operate Intelsat 2*, File no. SAT-STA-20100330-00059 (filed Mar. 30, 2010); Letter to Marlene H. Dortch, Secretary, Federal Communications Commission, from Susan H. Crandall, Assistant General Counsel, Intelsat Corp. (filed May 19, 2010) (requesting to change the start date from June 1, 2010 to June 25, 2010); *Policy Branch Information: Satellite Space Applications Accepted for Filing*, Report No. SAT-00692, SAT-STA-20100330-00059 (Public Notice) (May 21, 2010).

² We understand that this frequency information will help ensure the completeness of the International Bureau’s database and the application of any relevant procedural rules to this STA request.

³ See *PanAmSat Licensee Corp. Application to Modify Authorization to Relocate Intelsat 5 to 169.0° E.L.*, SAT-MOD-20080725-00150 (filed July 25, 2008; granted Oct. 17, 2008).

Ms. Marlene H. Dortch
June 25, 2010
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For the reasons set forth in the pending STA request, PanAmSat respectfully requests that the Commission grant PanAmSat's pending STA request as supplemented with this letter.

Sincerely,

/s/ Susan H. Crandall

Susan H. Crandall
Assistant General Counsel
Intelsat Corporation

cc: Robert Nelson
Karl Kensinger
Kathryn Medley
Stephen Duall
Andrea Kelly