

S2459 SAT-STA-20100810-00176 IB2010002507
PanAmSat Licensee Corp.
Intelsat 2

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File Number: SAT-STA-20100810-00176
Callsign:



File # SAT-STA-20100810-00176
Call Sign S2459 Grant Date 09/21/10
(or other identifier)
Term Dates 09/21/10 To: 30 days period of
Approved: Stephen J. Duall
Stephen J. Duall
Chief, Satellite Policy Branch

Approved by OMB
3060-0678

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 174.0 E.L.

I. 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-20100810-00176
Call Sign S2459

The application of PanAmSat Licensee Corp. (PanAmSat) for special temporary authority, IBFS File No. SAT-STA-20100810-00176, is granted. Accordingly, PanAmSat is authorized for a period of 30 days, beginning on September 21, 2010, to conduct Telemetry, Tracking, and Telecommand (TT&C) operations necessary to drift Intelsat 2 (Call Sign S2459) from 157.0° E.L. to 174.0° E.L. using the following frequencies: 6424.5 MHz (H) and 5925.5 MHz (H) (Earth-to-space), and 4198.5 MHz (H, V) and 4199.5 MHz (H, V) (space-to-Earth). PanAmSat is also authorized to operate Intelsat 2 temporarily in the C- and Ku-bands at 174.0° E.L. at 174.0° E.L. using the following frequencies: 3700-4200 MHz (space-to-Earth), 5925-6425 MHz (Earth-to-space), 12250-12750 MHz (space-to-Earth), and 14000-14500 MHz (Earth-to-space). 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.*, Intelsat 2 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, PanAmSat shall cease operations immediately upon notification of such interference, and shall inform the Commission, in writing, immediately of such an event.
3. 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.
4. While at the 174.0° E.L. orbital location, PanAmSat shall maintain the Intelsat 2 spacecraft with an east/west longitudinal station-keeping tolerance of +/- 0.05 degrees.
5. PanAmSat shall coordinate its operations with existing geostationary satellites to ensure that no unacceptable interference results from its temporary operations at the 174.0° E.L. orbital location or from its TT&C operations during the drift to the 174.0° E.L. orbital location.
6. PanAmSat shall operate at the 174.0° W.L. orbital location pursuant to existing or future coordination agreements for that location.
7. Grant of this authorization does not convey to PanAmSat any authority to operate a space station at the 174.0° E.L. orbital location beyond the term granted herein, nor convey any priority in the United States' satellite licensing process relative to applications for authority to operate a regularly authorized satellite at this orbital location.
8. Grant of this special temporary authorization does not constitute "specific authority" pursuant to Section 25.161(c) of the Commission's rules.

**Attachment to Grant
Application of PanAmSat Licensee Corp.
IBFS File No. SAT-STA-20100810-00176
Call Sign S2459**

9. Grant of this special temporary authorization is without prejudice to any decision regarding PanAmSat's ability to file an application for authorization 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.¹ Grant of this special temporary authorization does not constitute an announcement that these frequencies are available for reassignment.
10. Use of the 12.5-12.75 GHz frequency bands is not permitted for Fixed-Satellite Service in the space-to-Earth direction in Region 2.
11. Within 30 days of completion of any end-of-life maneuvers for the Intelsat 2 spacecraft, which were approved in IBFS File No. SAT-MOD-20080811-00153, PanAmSat shall send a letter to the Chief, Satellite Division, International Bureau, indicating the apogee and perigee of the Intelsat 2 disposal orbit.
12. Any action taken or expense incurred as a result of operations pursuant to this special temporary authority is solely at PanAmSat's own risk.
13. PanAmSat North America 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.
14. 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. 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-20100810-00176</u>
	Call Sign <u>S2459</u> Grant Date <u>09/21/10</u> (or other identifier)
	Term Dates <u>period of</u> From <u>09/21/10</u> To: <u>30 days</u>
	Approved: <u>Stephen J. Duall</u> Stephen J. Duall Chief, Satellite Policy Branch

¹ 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 at that location upon arrival. On August 6, 2010, PanAmSat was granted special temporary authority to operate the communications payload on the Intelsat 2 space station at 157° E.L. See IBFS File No. SAT-STA-2010330-0059. At the time of this grant, Intelsat has no application pending to operate a space station 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 at the 157° W.L. orbital location. No Intelsat space station will be operating on these frequency bands at 157° E.L. once Intelsat 2 ceases operations at this location.

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?			
<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 CRY - Space Station (Geostationary)			
5. Type Request			
<input type="radio"/> Change Station Location		<input type="radio"/> Extend Expiration Date	
		<input checked="" type="radio"/> Other	
6. Temporary Orbit Location 174.0 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 30 days, from September 21, 2010 through October 20, 2010, to drift Intelsat 2 (call sign S2459) from 157.0 E.L. to 174.0 E.L. and to operate the satellite temporarily in the C- and Ku-bands at 174.0 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"; 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).

August 10, 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 30 days -- from September 21, 2010 through October 20, 2010 -- to drift Intelsat 2 (call sign S2459) from 157.0° E.L. to 174.0° E.L. and to operate the satellite temporarily in the C- and Ku-bands at 174.0° E.L.

Intelsat 2 currently is operating temporarily at 157.0° E.L.² Subject to receipt of FCC approval, Intelsat 2 will be relocated to 174.0° E.L. -- with the drift starting September 21, 2010 and the satellite on-station on November 25, 2010. PanAmSat will operate Intelsat 2 at 174.0° E.L. until its de-orbit, which currently is scheduled for January 2011.³

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-00704, File No. SAT-STA-20100330-00059 (Public Notice) (authorizing drift of Intelsat 2 to 157° E.L., while deferring request to operate the communications payload at that location); File No. SAT-STA-20100330-00059, Stamp Grant, S. Duall, Chief Policy Branch, Aug. 6, 2010 (also authorizing operation of Intelsat 2 communications payload at 157° E.L.).

³ PanAmSat will file a request for special temporary authority to conduct end-of-life disposal maneuvers prior to de-orbiting the Intelsat 2 satellite. The FCC has already approved a post-mission disposal plan for the Intelsat 2 satellite that reserves 25.6 kg of fuel for an intended de-orbit altitude of 150 km. See *Modification To Relocate Intelsat 2 to 169.10° E.L. (S2459)*, File No. SAT-MOD-20080811-00153, Stamp Grant, S. Duall, Chief, Policy Branch, Jan. 14, 2009. The FCC also has extended the license term for the Intelsat 2 satellite to December 1, 2011. See *Modification To Extend the License Term of Intelsat 2*, File Nos. SAT-MOD-20090204-00015 and SAT-AMD-20090526-00057, Stamp Grant, S. Duall, Chief, Policy Branch, July 16, 2009 (extending Intelsat 2 license term to Dec. 1, 2011).

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August 10, 2010
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During the drift of Intelsat 2 from 157.0° E.L. to 174.0° 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)

Downlink:

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

The communications payload frequencies are as follows:

Uplink:

5925-6425 MHz
14000-14500 MHz

Downlink:

3700-4200 MHz
12250-12750 MHz⁴

Grant of this STA request is in the public interest because it will allow PanAmSat to conduct temporary operations at 174.0° E.L. before de-orbiting the satellite, thus ensuring maximum fleet flexibility. The proposed operation of Intelsat 2 at 174.0° E.L. also serves the public interest because it will preserve the United States' filing priority at the International Telecommunication Union ("ITU) for this orbital location.⁵

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

⁴ PanAmSat will operate the 12250-12750 MHz frequencies on Intelsat 2 only over Region 2.

⁵ The United States acquired the ITU satellite network filing for the 174.0° E.L. orbital location at the time of Intelsat's privatization.

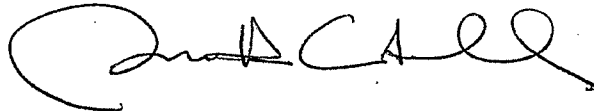
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transmissions with operators of satellites in the drift path. Should any interference occur during the drift, PanAmSat will take all reasonable steps to eliminate such interference. Once on-station at 174.0° E.L., PanAmSat will operate the communications 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 174.0° E.L. Finally, PanAmSat is not aware of any system with an overlapping station-keeping volume with Intelsat 2 at 174.0° 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, PanAmSat respectfully requests that the Commission expeditiously grant this request.

Sincerely,



Susan H. Crandall
Assistant General Counsel
Intelsat Corporation

cc: Karl Kensinger
Kathryn Medley
Stephen Duall