

PAS-2R SAT-STA-20110503-00083
Intelsat License LLC
INTELSAT 3R

IB2011001285

File # SAT- STA- 20110503 - 00083
Call Sign PAS- 2R Grant Date 06/15/11
(or other identifier) Term Dates period of
From 07/01/11 To: 30 days

Approved by OMB
3060-0678

Approved: *Stephen J. Duall*
Stephen J. Duall
Chief, Satellite Policy Branch



Date & Time Filed: May 3 2011 11:43:25:180AM
File Number: SAT-STA-20110503-00083
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 Special Temporary Authority to De-Orbit the Intelsat 3R Satellite, Call Sign PAS-2R


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		

**Attachment to Grant
Intelsat License LLC
IBFS File No. SAT-STA-20110503-00083**

The application of Intelsat License LLC (Intelsat) for special temporary authority, IBFS File No. SAT-STA-20110503-00083, IS GRANTED. Accordingly, Intelsat is authorized for a period of 30 days commencing on July 1, 2011, to perform tracking, telemetry, and telecommand (TT&C) operations with the Intelsat 3R space station (Call Sign: PAS-2R) to execute end-of-life maneuvers boosting the satellite to a disposal orbit with a minimum perigee altitude of 150 km above the geostationary arc using the following frequencies: 4199.0 MHz (horizontal and vertical polarization) and 4198.5 MHz (horizontal and vertical) (space-to-Earth) and 6424.5 MHz (horizontal) and 5925.5 MHz (horizontal) (Earth-to-space). This authorization is granted in accordance with the terms, conditions, and technical specifications set forth in Intelsat's application, the Commission's rules, and the following conditions:

1. Intelsat shall coordinate all orbit raising maneuver TT&C operations with existing geostationary satellites to ensure that no unacceptable interference results from its TT&C operations during its disposal operations.
2. During the disposal operations, no harmful interference shall be caused by Intelsat 3R to any other lawfully operating space station or radio communications system and operations of the Intelsat 3R satellite shall cease immediately upon notification of such interference.
3. Intelsat is required to accept interference from other lawfully operating space stations of radio communications systems.
4. Intelsat shall notify the Chief, Satellite Division, International Bureau, of the actual expected date of commencement of end-of-life maneuvers for the Intelsat 3R space station prior to the commencement of such maneuvers.
5. Within 30 days of completion of the end-of-life maneuvers, Intelsat shall send a letter to the Chief, Satellite Division, International Bureau, indicating the apogee and perigee of the Intelsat 3R disposal orbit.

 GRANTED * International Bureau *with conditions	File # <u>SAT-STA-20110503-00083</u>
	Call Sign <u>PAS-2R</u> Grant Date <u>06/15/11</u> (or other identifier)
	From <u>07/01/11</u> Term Dates period of To: <u>30 days</u>
	Approved: <u>Stephen J. Duall</u> Stephen J. Duall Chief, Satellite Policy Branch

2. Contact	
Name:	Jennifer D. Hindin
Company:	Wiley Rein LLP
Street:	1776 K Street, NW
Phone Number:	202-719-4975
Fax Number:	202-719-7049
E-Mail:	jhindin@wileyrein.com
City:	Washington
State:	DC
Country:	USA
Zipcode:	20006
Attention:	
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 SATSTA2011042600078 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	
	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.)

Intelsat License LLC, pursuant to Section 25.120 of the rules of the Federal Communications Commission, herein requests STA, beginning on July 1, 2011 and lasting for a period of thirty days, to de-orbit the Intelsat 3R satellite (call sign PAS-2R) from its current location at 81.0 W.L. and to perform TT&C functions with Intelsat 3R during this

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).

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8. Description

Intelsat License LLC, pursuant to Section 25.120 of the rules of the Federal Communications Commission, herein requests STA, beginning on July 1, 2011 and lasting for a period of thirty days, to de-orbit the Intelsat 3R satellite (call sign PAS-2R) from its current location at 81.0 W.L. and to perform TT&C functions with Intelsat 3R during this maneuver.

May 3, 2011

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



Re: Request for Special Temporary Authority to De-Orbit the Intelsat 3R
Satellite, Call Sign PAS-2R

Dear Ms. Dortch:

Intelsat License LLC ("Intelsat"), pursuant to Section 25.120 of the rules of the Federal Communications Commission ("FCC" or "Commission"),¹ herein requests Special Temporary Authority ("STA"), beginning on July 1, 2011 and lasting for a period of thirty days, to de-orbit the Intelsat 3R satellite (Call Sign PAS-2R) from its current location at 81.0° W.L.² and to perform telemetry, tracking and command ("TT&C") functions with Intelsat 3R during this maneuver.

Grant of this STA is in the public interest. The Intelsat 3R satellite was launched in 1996 and is nearing the end of its useful life. Intelsat seeks to commence de-orbiting the spacecraft sometime between July 1, 2011 and July 30, 2011.

Intelsat intends to de-orbit the Intelsat 3R satellite to a perigee 150 km above synchronous altitude. Intelsat has reserved 27.6 kilograms of fuel for this purpose. To calculate the reserved fuel figure, Intelsat used the "rocket

¹ 47 C.F.R. § 25.120.

² See *Intelsat License LLC Request for Further Extension of Special Temporary Authority*, File No. SAT-STA-20110426-00078 (filed Apr. 26, 2011); *Intelsat License LLC Request for Further Extension of Special Temporary Authority*, File No. SAT-STA-20110325-00063 (filed Mar. 25, 2011); *Intelsat License LLC Request for Extension of Special Temporary Authority*, File No. SAT-STA-20110223-00032 (filed Feb. 23, 2011); *PanAmSat License Corp. Request for Extension of Special Temporary Authority*, File No. SAT-STA-20110110-00008 (filed Jan. 10, 2011); Policy Branch Information; Actions Taken, Report No. SAT-00713, File No. SAT-STA-20100402-00063 (Aug. 6, 2010); *PanAmSat Licensee Corp., Request for Special Temporary Authority for Intelsat 3R (Call Sign PAS-2R)*, File No. SAT-STA-20100402-00063 (filed Apr. 2, 2010) (stamp grant with conditions Aug. 3, 2010).

equation” – *i.e.*, it used the expected mass of the satellite at the end of life and the required delta-velocity to achieve the desired orbit. Intelsat has assessed the fuel gauging uncertainty and believes it has provided an adequate margin of fuel reserve to address the uncertainty in the remaining propellant. As a satellite launched prior to March 18, 2002, the minimum perigee requirements for decommissioning set forth in Section 25.283(a) of the Commission’s rules do not apply to Intelsat 3R.³

The de-orbit of Intelsat 3R will not cause any significant risk of harmful interference to other satellites. During the de-orbit, the satellite’s communications payload will remain inactive and only the TT&C payload will operate. Intelsat requests authority to operate the following TT&C frequencies: 6424.5 MHz (H) and 5925.5 MHz (H) (command uplink); 4198.5 MHz (H)(V) and 4199.0 MHz (H)(V) (telemetry downlink). These frequencies will be coordinated and will operate on a non-interference basis.⁴

Finally, consistent with Section 25.283(c), upon completion of de-orbit maneuvers, all stored energy sources will be discharged by venting excess propellant, discharging batteries, relieving pressure vessels, and other appropriate measures.⁵

³ 47 C.F.R. § 25.283(d).

⁴ *See* 47 C.F.R. § 25.283(b).

⁵ Intelsat notes that in a recent pleading filed by the Satellite Industry Association (“SIA”), the Intelsat 3R satellite was included as a satellite whose design does not permit all pressure vessels to be relieved at end of life. *See Satellite Industry Association, Request for Blanket Waiver of Section 25.283(c) of the Commission’s Rules*, IB Docket No. 02-54, Annex 1 (filed Oct. 1, 2010). The inclusion of the Intelsat 3R on this list is an error; the Intelsat 3R satellite is capable of venting all stored energy sources at the end of life.

Marlene H. Dortch, Secretary
May 3, 2010
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For the reasons set forth herein, Intelsat respectfully requests that the Commission expeditiously grant this request for special temporary authority to de-orbit the Intelsat 3R satellite.

Sincerely,

/s/ Susan H. Crandall

Susan H. Crandall
Assistant General Counsel
Intelsat Corporation

cc: Bob Nelson
Karl Kensinger
Kathryn Medley
Stephen Duall