



File# SAT-STA-20031219-00360
Granted with conditions attached.
Call Sign K539 Grant Date January 12, 2004

(or other identifier)

Term Dates
From Jan 12, 2004 To: Feb 11, 2004
Approved by OMB 3060-0678

Approved: [Signature]
*Robert G. Nelson
Chief Satellite Engineering Branch*

Date & Time Filed: Dec 19 2003 3:25:59:770PM
File Number: SAT-STA-20031219-00360
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:
SBS-4 STA to relocate to 124.95W

1. Applicant			
Name:	PanAmSat Licensee Corp.	Phone Number:	202-292-4300
DBA Name:		Fax Number:	202-292-4378
Street:	1801 K Street, N.W. Suite 440	E-Mail:	
City:	Washington	State:	DC
Country:	USA	Zipcode:	20006 -
Attention:	Mr Kalpak S Gude Esq		

Attachment
January 12, 2004

- 1) During the drift of the SBS-4 satellite from 77° W.L. to 124.95° W.L., PanAmSat shall coordinate its TT&C operations with existing geostationary satellites to ensure that no unacceptable interference results from its TT&C operations during the drift;
- 2) PanAmSat shall not operate the communications payload of the SBS-4 satellite while it is in drift or once it arrives at 124.95° W.L.;
- 3) PanAmSat will, barring catastrophic failure of satellite components, maintain the capability to deorbit the satellite to an orbit with a perigee of no less than 300 kilometers above the geostationary altitude, by, for example, maintaining adequate fuel reserves, and
- 4) This authorization is without prejudice to any action regarding permanent authority for PanAmSat to operate the SBS-4 satellite at the 124.95° W.L. orbit location.

2. Contact	
Name: Joseph A Godles, Esq.	Phone Number: 202-429-4900
Company: Goldberg Godles Wiener & Wright	Fax Number: 202-429-4912
Street: 1229 19th Street, NW	E-Mail: jgodles@g2w2.com
City: Washington	State: DC
Country: USA	Zipcode: 20036 -2413
Contact Title: Attorney	Relationship: Legal Counsel
(If your application is related to an application filed with the Commission, enter the file number below.)	
3. Reference File Number	
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 checked="" type="radio"/> Change Station Location <input type="radio"/> Extend Expiration Date <input type="radio"/> Other	
6. Temporary Orbit Location 124.95 WL	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.)

See attached request to relocate SBS-4 to 124.95 W.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
Kalpak Gude

11. Title of Person Signing
Associate General Counsel

12. Please supply any need attachments.

Attachment 1: Exhibit 1

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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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.

REQUEST FOR SPECIAL TEMPORARY AUTHORITY

PanAmSat Licensee Corp. ("PanAmSat LC"), pursuant to Section 25.120 of the Commission's rules,¹ hereby requests special temporary authority ("STA") for up to 180 days, commencing as soon as possible, but no later than January 12, 2004, to:

(1) relocate SBS-4 from 77° W.L. to 124.95° W.L.; and (2) operate the tracking, telemetry, and command ("TT&C") payload on SBS-4 during the relocation and when SBS-4 is on station at 124.95° W.L.

The STA requested herein would replace an STA that the Commission already has granted to relocate SBS-4 from 77° W.L. to 125.0° W.L. The new STA would be identical to the original STA, except that PanAmSat LC now is seeking to station SBS-4 at 124.95° W.L., not 125.0° W.L. Positioning the satellite .05° further east than initially proposed will provide a margin of safety in the separation between SBS-4 and other satellites with which SBS-4 will be co-located, and will facilitate coordinated station-keeping between and among SBS-4 and the other satellites.² PanAmSat respectfully requests that the Commission act on the instant request no later than January 12, 2004, which is the day before SBS-4 is scheduled to arrive on station.

SBS-4 is a Ku-band satellite that has most recently been operating at 77° W.L. pursuant to an STA. The STA had been held by PanAmSat LC's predecessor in interest, Hughes Global Services, Inc. ("HGS"), but has been assigned to PanAmSat LC on a *pro forma* basis pursuant to FCC consent.³ On August 19, 2003, the Commission granted PanAmSat LC an STA to relocate SBS-4 from 77° W.L. to 125° W.L.⁴ SBS-4 is drifting toward 125° W.L. in accordance with this STA, and PanAmSat LC has applied to extend the STA through April 14, 2004, in order to complete the relocation of SBS-4.⁵ In addition to its relocation STA, PanAmSat LC has requested an STA⁶ and a license⁷ to operate SBS-4 at 125° W.L.

¹ 47 C.F.R. § 25.120.

² PanAmSat LC operates Galaxy V at 125° W.L. It also has filed an application requesting authority to launch and operate Galaxy XIV at 125° W.L., as a replacement for Galaxy V. See File No. SAT-LOA-19991207-00117, as amended by SAT-AMD-20021029-00198. PanAmSat LC will be amending its Galaxy XIV application to request that the satellite be assigned to 125.05° W.L. instead of 125.0° W.L.

³ See File No. SAT-ASG-20030505-00080. PanAmSat notified the Commission on August 5, 2003 that this *pro forma* assignment has been consummated.

⁴ See File No. SAT-STA-20030805-00141.

⁵ See File No. SAT-STA-20031006-00311.

⁶ See File No. SAT-STA-20031114-00330. PanAmSat LC will be supplementing this filing to request that the satellite be authorized to operate at 124.95° W.L. instead of 125.0° W.L.

⁷ See File No. SAT-LOA-20031113-00328. PanAmSat LC will be amending this application to request that the satellite be assigned to 124.95° W.L. instead of 125.0° W.L.

PanAmSat LC is not requesting authority herein to operate the communications payload on SBS-4 during its relocation or when it is on station at 124.95° W.L. Operation pursuant to the requested STA will be limited to the TT&C payload, on a non-interference basis, and any claim to assignment of Ku-band frequencies on a regular basis at 124.95° W.L. by virtue of the requested STA is expressly disclaimed.

The instant request for an STA is supported by good cause. PanAmSat LC seeks to relocate SBS-4 to 124.95° W.L. in anticipation of needing to satisfy demand for Ku-band capacity at that orbital location. As the Commission already determined by granting PanAmSat LC's initial STA request, grant of an STA is in public interest because it would enable PanAmSat LC, subject to obtaining operational authority, to serve the public. In addition, as discussed above, permitting PanAmSat LC to locate SBS-4 at 124.95° W.L. in lieu of the previously authorized 125.0° W.L. will provide a margin of safety in the separation between SBS-4 and other satellites with which SBS-4 will be co-located, and will facilitate coordinated station-keeping between and among SBS-4 and the other satellites.

Grant of the requested STA, moreover, would present no significant risk of interference to other users. The communications payload on SBS-4 will not be operated pursuant to this STA. In addition, standard industry practices for coordination of TT&C transmissions will be followed during the relocation process and when on station.

Uplink TT&C transmissions on SBS-4 will occur at 14497.0 MHz (horizontal or vertical) and the downlink TT&C transmissions will occur at 12193.0 MHz and 12196.0 MHz (horizontal or vertical).⁸ The complete set of uplink and downlink TT&C frequencies are given below with corresponding polarization and antenna specifications:

Command:	14497.0 MHz, horizontal or vertical (omni or dish)
	6423.0 MHz, horizontal (omni)
Telemetry	12193.0 MHz, horizontal or vertical (omni or dish)
	12196.0 MHz, horizontal or vertical (omni or dish)
	4198.5 MHz, vertical (omni)
	4199.5 MHz, vertical (omni)

⁸ PanAmSat LC intends to use only Ku-band frequencies for TT&C during the relocation. TT&C authority for both the Ku- and C-band is being requested, however, to maximize operational flexibility. PanAmSat LC already operates a C-band satellite, Galaxy V, at 125° W.L., and in the event that use of the C-band TT&C frequencies is required, will ensure that such use does not interfere with its operation of Galaxy V.

Accordingly, and for good cause shown, PanAmSat LC respectfully requests an STA for up to 180 days, commencing as soon as possible, but no later than January 12, 2004, to relocate SBS-4 to 124.95° W.L., and to operate the TT&C payload on the satellite.

Questions with respect to this matter should be directed to Joseph A. Godles, counsel for PanAmSat LC, at (202) 429-4900.