



File # SAT-STA-20031218-00359

Call Sign _____
(or other identifier)

Grant Date January 15, 2004

granted with attached conditions

Term Dates

From January 15, 2004 To: February 15, 2004

Approved by OMB

3060-0678

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File Number: SAT-STA-20031218-00359

Call sign:

Approved: [Signature]

*Robert G. Nelson
Chief Satellite Engineering Branch*

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:

Galaxy IX STA (relocate to 90.9W)

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 15, 2004

- 1) During the drift of the Galaxy IX satellite from 127.10° W.L. to 90.9° 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 on the Galaxy IX satellite while it is in drift or once it arrives at 90.9° 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 Galaxy IX satellite at the 90.9° 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 -
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	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. hereby requests STA to relocate the Galaxy IX spacecraft to 90.9 WL.

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: STA	Attachment 2:	Attachment 3:
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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"), pursuant to Section 25.120 of the Commission's rules,¹ hereby requests Special Temporary Authority ("STA") for up to 180 days, commencing on January 15, 2004, to: (1) relocate Galaxy IX from 127.10° W.L. to 90.9° W.L. and (2) operate the tracking, telemetry, and command ("TT&C") frequencies on Galaxy IX during the relocation of the spacecraft and when the spacecraft is on-station at 90.9° W.L.²

Galaxy IX is a C-band satellite that has been in operation since 1996.³ The Commission recently granted PanAmSat an STA to relocate Galaxy IX from 127.0° W.L. to 127.10° W.L.⁴ in anticipation of the arrival of a replacement satellite, Galaxy XIII, at 127.0° W.L.⁵ The STA will enable PanAmSat to maintain a safe separation distance between Galaxy IX and Galaxy XIII while traffic migrates from the former to the latter. Galaxy XIII has completed in-orbit testing at 144.5° W.L. and is scheduled to arrive at 127.0° W.L. on or about December 20, 2003.

Following the hand-off of traffic to Galaxy XIII, PanAmSat proposes to relocate Galaxy IX to 90.9° W.L., where it will serve as an in-orbit spare providing back up to PanAmSat's fleet in this portion of the orbital arc. PanAmSat only seeks authority herein to operate the TT&C frequencies on Galaxy IX; the communications payload on the satellite will not be in operation during the relocation to 90.9° W.L. or when Galaxy IX is on station at 90.9° W.L.

PanAmSat's STA request is supported by good cause. It is Commission policy to allow "satellite operators to rearrange satellites in their fleet to reflect business and customer considerations where no other public interest factors are adversely affected."⁶ The Commission has consistently recognized that satellite operators are "in a better

¹ 47 C.F.R. § 25.120.

² PanAmSat proposes to position Galaxy IX at 90.9° W.L., rather than 91.0° W.L., in order to maintain a safe separation from, and facilitate coordinated stationkeeping with, PanAmSat's Galaxy XI at 91.0° W.L.

³ See *Hughes Communications Galaxy, Inc.*, Memorandum Opinion and Order, DA 96-1940 (Nov. 21, 1996).

⁴ See File No. SAT-STA-20030924-00303. PanAmSat recently requested an extension of its STA. See SAT-STA-20031212-00353.

⁵ See File Nos. SAT-AMD-20030228-00020 and SAT-LOA-19991207-00118, Call Sign S2386.

⁶ *Loral SpaceCom Corporation and Loral Space & Communications Corporation; Applications for Modification of Fixed-Satellite Service Space Station Authorizations*, Memorandum Opinion, Order and Authorization, DA 03-1045, 18 FCC Rcd, 6301, 6306 (Int'l Bur. 2003). See also *In the Matter of INTELSAT LLC; Application to Modify Authorizations to Operate, and to Further Construct, Launch, and Operate C-band and Ku-band Satellites that Form a Global Communications System in Geostationary Orbit*, Order and Authorization, DA 01-2069, 16 FCC Rcd 16208 (Int'l Bur. 2001); *GE American Communications, Inc.*, Memorandum Opinion, Order and Authorization, DA 00-2096, 15 FCC Rcd 23583 (Int'l Bur. 2000); *AMSC Subsidiary Corporation*, Order and Authorization, DA 98-493, 13 FCC Rcd 12316 (Int'l Bur. (1998)); and *Hughes Communications Galaxy, Inc.*, Memorandum Opinion and Order, DA 90-915, 5 FCC Rcd 4497 (Com. Car. Bur. 1990).

position to determine how to tailor their systems to meet the particular needs of customers.”⁷ Grant of PanAmSat’s STA request will advance these policies by enabling PanAmSat to provide added back up protection and to manage its satellite fleet more effectively.

Relocation of Galaxy IX in the manner requested herein, moreover, will present no risk of harmful interference to other users. The only transmissions to or from Galaxy IX, which PanAmSat will coordinate with the operators of adjacent satellites using C-band frequencies,⁸ will be for TT&C purposes on the following frequencies and polarizations⁹:

Command:	6424.5 MHz, vertical (Reflector Antenna) 5925.5 MHz, horizontal (Bicone Antenna)
Telemetry:	4199.0 MHz, vertical (Reflector Antenna) 4199.875 MHz, vertical (Reflector Antenna) 4199.0 MHz, vertical (Bicone Antenna) 4199.875 MHz, vertical (Bicone Antenna)

In the long term, Galaxy IX will either remain at 90.9° W.L. as an in-orbit spare or will be reassigned to another orbital location. Galaxy XIII, which as discussed above is the replacement for Galaxy IX at 127° W.L., is one of four replacement satellites in the U.S. domestic arc that PanAmSat either has launched, or will launch, in the 2003-2005 period. PanAmSat is in the process of reevaluating its deployment plan, including its plans for backing up PanAmSat’s domestic fleet. The future of Galaxy IX depends in part on factors that are unknown at this stage, including the outcome of launches that have not occurred, and customer requirements that are continuing to evolve. In the event that PanAmSat decides, when these matters resolve themselves, to station Galaxy IX indefinitely at 90.9° W.L., it will file an application to reassign the satellite to that orbital location.

Accordingly, and for good cause shown, PanAmSat respectfully requests an STA for up to 180 days, commencing on January 15, 2004, to relocate Galaxy IX from 127.10°

⁷ *AMSC Subsidiary Corporation*, 13 FCC Rcd 12316, 12318 (Int’l Bur. (1998)). See also *Loral SpaceCom Corporation and Loral Space & Communications Corporation*; 18 FCC Rcd, 6301, 6306 (Int’l Bur. 2003) and *INTELSAT LLC*, 16 FCC Rcd 16208, 16210 (Int’l Bur. 2001).

⁸ Loral operates Telstar 6 at 93° W.L., and has been authorized to launch and operate Telstar 8 at 89° W.L. Star One operates Brasilsat B4 at 92° W.L. (PanAmSat’s Galaxy XI, which operates at 91.0° W.L., uses Ku-band frequencies, not C-band frequencies, for TT&C. The same is true for Nimiq-1 at 91.0° W.L.)

⁹ The polarizations shown above are for operation on station. To minimize interference potential, it may be necessary for PanAmSat to reverse the polarity of its reflector antenna telemetry transmissions during portions of the drift from 127.10° W.L. to 90.9° W.L.

W.L. to 90.9° W.L, and to operate the TT&C payload on Galaxy IX during the relocation and when the spacecraft is on station.

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