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File Number: SAT-STA-20041208-00217
Callsign:



File # SAT-STA-20041208-00217

Call Sign GALAXY5 (or other identifier) Term Dates 12/20/2004 to 1/23/2005
Approved by OMB 3060-0678

Approved: [Signature] Chief Set/Mu
Robert G. Nelson, Engineer/Brand

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:
Gal 5 STA to 125.15 WL

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
Conditions of Authorization – SAT-STA-20041208-00217
Call sign GALAXY5
December 20, 2004

1. PanAmSat Licensee Corp's. (PanAmSat), application, SAT-STA-20041208-00217, IS GRANTED and PanAmSat, is authorized for a period of 30 days commencing on December 24, 2004 to (1) relocate GALAXY 5 from 125.05° W.L. to 125.15° W.L. and to operate GALAXY 5 in the 3700 - 4200 MHz and 5925 - 6425 MHz frequency bands for the purpose of transferring communications traffic to GALAXY 12 (call sign S2422)¹, and (2) once the communications traffic has been transferred, operate the tracking, telemetry and command ("TT&C") systems on GALAXY 5 satellite to perform end-of-life maneuvers boosting the satellite to a disposal orbit above the geostationary arc, in accordance with the terms, conditions, and technical specifications set forth in its application, this Attachment and the Federal Communications Commission's Rules.
2. No harmful interference shall be caused by GALAXY 5's operations at 125.15° W.L. to any other lawfully operating in-orbit satellite and operations of the GALAXY 5 satellite shall cease immediately upon notification of such interference.
3. PanAmSat shall coordinate all TT&C operations with existing geostationary satellites to ensure that no unacceptable interference results from its TT&C operations during its disposal operations.
4. During the disposal operations, no harmful interference shall be caused by GALAXY 5 to any other lawfully operating in-orbit satellite, and operations of the GALAXY 5 satellite shall cease immediately upon notification of such interference.
5. PanAmSat is required to accept interference from other lawfully operating in-orbit satellites.
6. Within thirty days of completion of the end-of-life maneuvers, PanAmSat shall provide the Commission in writing with the apogee and perigee of GALAXY 5's disposal orbit.
7. This special temporary authority is issued pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. § 0.261, and is effective upon release.

¹ See Application of PanAmSat Licensee Corp. for Special Temporary Authority to Relocate GALAXY 12 to 125.05° W.L. File No. SAT-STA-20041208-00216. See also Application of PanAmSat Licensee Corp. for Extension of Special Temporary Authority to Relocate and Operate GALAXY 12 at 125.05° W.L. File No. SAT-STA20041215-00220.

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?

- 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

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 special temporary authority for 30 days to operate the Galaxy 5 satellite.

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:

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 30 days, commencing on December 24, 2004, to: (1) relocate Galaxy 5 from 125.05° W.L. to 125.15° W.L. for the purpose of handing off communications traffic to a replacement satellite; and (2) once communications traffic has been handed off, to continue operating the satellite's tracking, telemetry, and command ("TT&C") payload during end of life maneuvers.

Galaxy 5 is one of three satellites that PanAmSat operates in the vicinity of 125° W.L. To facilitate stationkeeping, the Commission has authorized PanAmSat to maintain a slight separation among the satellites. Galaxy 5, which is PanAmSat's operational C-band satellite, is located at 125.05° W.L. Galaxy 12, which is serving as an in orbit spare, is located at 125.25° W.L. SBS-4, which is PanAmSat's operational Ku-band satellite, is located at 124.95° W.L.

Galaxy 5 is approaching the end of its useful life, and the Commission has authorized PanAmSat to launch and operate Galaxy 14 as a replacement.² Galaxy 14, however, will not be launched until after Galaxy 5 needs to be decommissioned. To ensure continuity of service, PanAmSat is seeking authority in a separate STA request to relocate Galaxy 12 to 125.05° W.L., where it can (following the hand-off of traffic from Galaxy 5) serve as a replacement on a temporary basis.

PanAmSat's request for an STA is supported by good cause. Relocating Galaxy 5 away from 125.05° W.L. will free up that orbital location for a replacement satellite. Relocating Galaxy 5 to 125.15° W.L. will keep the satellite in close proximity to the replacement satellite, thereby facilitating the transfer of traffic from Galaxy 5 to its replacement. Continuing TT&C communications during end of life maneuvers will ensure that Galaxy 5 is decommissioned in an appropriate manner.³ It is unquestionably in the public interest for a satellite operator to be able to transfer traffic from a satellite to its replacement, maintain continuity of service, and exercise control of its spacecraft during end of life maneuvers.

¹ 47 C.F.R. § 25.120.

² See File No. SAT-LOA-19991207-00117, as amended.

³ PanAmSat expects to complete the relocation of Galaxy 5, the hand off of traffic to a replacement, and end of life maneuvers within the 30-day period to be covered by the STA it is requesting. PanAmSat projects that, at the conclusion of end of life maneuvers, Galaxy 5 will have an apogee and perigee of approximately 150 km above the geostationary orbit. Because Galaxy 5 had already been launched as of the release date of the *Notice of Proposed Rulemaking* in IB Docket No. 02-54, it is not subject to the minimum disposal orbit requirements that the Commission adopted in that proceeding. See *Second Report and Order*, FCC 04-130, ¶¶ 79-81 (June 21, 2004).

Accordingly, and for good cause shown, PanAmSat respectfully requests an STA for up to 30 days, commencing on December 24, 2004, to relocate Galaxy 5 to 125.15° W.L. and to continue operating the TT&C payload on the satellite during end of life maneuvers.

Please direct any questions concerning this matter to Joseph A. Godles, counsel for PanAmSat, at (202) 429-4900.