



2. Contact

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(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

<b>8. Description</b> (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)		
<div style="border: 1px solid black; padding: 10px; margin: 0 auto; width: 80%;"> PanAmSat Licensee Corp. herein seeks Special Temporary Authority to operate the TT&amp;C payload on the PAS-8 satellite while it performs end of life maneuvers. </div>		
<b>9.</b> 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.		
<input checked="" type="radio"/> Yes <input type="radio"/> No		
<b>10. Name of Person Signing</b> Kalpak Gude	<b>11. Title of Person Signing</b> Associate General Counsel	
<b>12. Please supply any need attachments.</b>		
Attachment 1: STA	Attachment 2:	Attachment 3:
<b>WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND / OR IMPRISONMENT</b> (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,<sup>1</sup> hereby requests special temporary authority ("STA") for up to 30 days, commencing immediately, to continue operating the tracking, telemetry, and command ("TT&C") payload on PAS-8 while PanAmSat performs end of life maneuvers boosting the satellite to a disposal orbit above the geostationary arc.

PAS-8 has been authorized to operate at 43° W.L. since 1997.<sup>2</sup> Following the launch of the satellite, however, it was discovered that PAS-8 had suffered losses in its power generation system that reduced payload capacity. For that reason, the Commission authorized PanAmSat to launch PAS-8B as a replacement satellite.<sup>3</sup> Since the commencement of operations on PAS-8B, PAS-8 has served as an in-orbit spare.

Last month, PAS-8 suffered further losses to its power generation system that called into question whether the satellite would have sufficient power to sustain long-term operations. Following these power losses, the Commission granted an STA for PanAmSat to continue operating the TT&C payload on PAS-8 while PanAmSat boosted the satellite to a super-synchronous orbit 150 km above the geostationary arc.<sup>4</sup> Following the grant of the STA, PanAmSat began conducting tests, while PAS-8 remained in a supersynchronous orbit at a prudent distance from other satellites, to determine whether or not PAS-8 could be restored.

PAS-8 has just experienced another power loss event, and there is no guarantee that PanAmSat will be able to maintain safe temperature levels on the satellite. Accordingly, PanAmSat needs to initiate deorbit maneuvers on an expedited basis.

PanAmSat's request for an STA is supported by good cause. An STA will enable PanAmSat to execute end of life maneuvers that will place PAS-8 in a disposal orbit, away from operating satellites. By burning the remaining fuel on the satellite, PanAmSat expects to de-orbit PAS-8 to an apogee of at least 300 km and a perigee of at least 300 km above the geostationary orbit. Once the disposal orbit maneuvers have been completed, all transmissions to and from the satellite will cease.

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<sup>1</sup> 47 C.F.R. § 25.120.

<sup>2</sup> See *In re PanAmSat Licensee Corp.*, 12 FCC Rcd 24415 (1997).

<sup>3</sup> See File No. SAT-LOA-19981029-00084.

<sup>4</sup> See File No. SAT-STA-20040318-0037.

PanAmSat has a pending request for an STA to relocate PAS-8. *See* File No. SAT-STA-19990609-00065. PanAmSat originally requested relocation to 43.4° W.L., but on February 4, 2004, PanAmSat amended its request to specify 43.2° W.L. instead. PanAmSat hereby withdraws its relocation request, which is moot now that the satellite will be deorbited.

Accordingly, and for good cause shown, PanAmSat respectfully requests an STA for up to 30 days, commencing immediately, to continue operating the TT&C payload on PAS-8 while PanAmSat performs end of life maneuvers.

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