



SAT-STA-20041229-00230
with attached conditions

Call Sign GAL-3R Grant Date Feb 10, 2005
(or other identifier)

Approved by OMB
3060-0678

Term Dates

From GC Conditions To: See Conditions

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

Date & Time Filed: Dec 29 2004 12:11:24:623PM
File Number: SAT-STA-20041229-00230
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:
G3R STA to 73.95 WL (Dec 04) -- extend 180 days

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
SAT-STA-20041229-00230
GALAXY 3R
Call Sign: GAL-3R
February 10, 2005

PanAmSat Licensee Corp.'s ("PanAmSat") application for Special Temporary Authority, File No: SAT-STA-20041219-00230 IS GRANTED. Accordingly, PanAmSat is authorized, for the period of February 2, 2005 to August 1, 2005, to conduct tracking, telemetry and command (TT&C) operations necessary to drift the GALAXY 3R satellite call sign GAL-3R from its current location at 111.0° W.L. to 73.95° W.L. and maintain the satellite at 73.95° W. L., in accordance with the terms, conditions, and technical specifications set forth in its application, this Attachment and the Commission's Rules.

1. During the drift of the satellite from 111.0° W.L. to 73.95° W.L. and the operation at 73.95° W.L., PanAmSat shall not operate the communications payload on the GALAXY 3R satellite.
2. PanAmSat shall coordinate all of its TT&C operations with existing geostationary satellites to ensure that no unacceptable interference results from its TT&C operations during its drift and operations at 73.95° W.L.
3. PanAmSat's operation shall not cause harmful interference to any lawfully operating in-orbit satellites and PanAmSat shall cease operations immediately upon notification of such interference and PanAmSat shall inform the FCC in writing immediately of such an event.
4. PanAmSat is required to accept interference from other lawfully operating in-orbit satellites.
5. PanAmSat operations shall be limited solely to TT&C operations and shall not operate the communications payload or include the provision of commercial services.
6. This Special Temporary Authority is granted without prejudice to our final determination of operational authority for the communications payload at 73.95° W.L.¹

¹ See PanAmSat Licensee Corp. File Nos. SAT-STA-20050124-00011, SAT-STA-20050124-00012

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 SATMOD1991111500035

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
73.95 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.)

Request extension of Special Temporary Authority for 180 days to continue relocation of Galaxy 3R to 73.95 WL and operation of TT&C once on station.

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

On December 15, 2004, PanAmSat Licensee Corp. ("PanAmSat") requested Special Temporary Authority ("STA") for 30 days to: (1) relocate Galaxy 3R from 111.0° W.L. to 73.95° W.L.; and (2) operate the tracking, telemetry, and command ("TT&C") payload on the satellite during the relocation and once Galaxy 3R is on station at 73.95° W.L. Pursuant to Section 25.120 of the Commission's rules,¹ PanAmSat hereby requests an STA for an additional 180 days to complete the relocation of the satellite, and to continue operating the TT&C payload at 73.95° W.L., following the expiration of the 30-day STA that PanAmSat previously requested.

Background

Galaxy 3R is a hybrid C/Ku-band satellite that originally was assigned to 95° W.L. After PanAmSat launched and commenced operation of a replacement satellite, Galaxy 3C, at 95° W.L., the Commission granted an STA for PanAmSat to relocate Galaxy 3R to 74° W.L. and to operate the C-band payload on the satellite at that orbital location.² PanAmSat subsequently leased all of the C-band and Ku-band capacity on Galaxy 3R to Telesat Canada ("Telesat"), which operated Galaxy 3R (as Anik E2R) at 111.1° W.L. pursuant to authority granted by Industry Canada.³

In order to facilitate the transfer of traffic from Galaxy 3R to Anik F2, the replacement satellite for Galaxy 3R/Anik E2R, Telesat relocated Galaxy 3R to 111.06° W.L.⁴ On October 4 and October 28 of this year, the Commission granted PanAmSat STAs⁵ to relocate Galaxy 3R from 111.06° W.L. to 111.0° W.L. following this transfer of traffic and to operate the TT&C payload on the satellite during the relocation and when on station at 111.0° W.L., thereby returning the satellite to United States authority. On October 19, 2004, PanAmSat notified the Commission that Galaxy 3R was changing to an inclined orbit mode. Galaxy 3R has enough remaining fuel for approximately four years of inclined orbit

¹ 47 C.F.R. § 25.120.

² See, e.g., File No. SAT-STA-20030324-00038.

³ Anik E2R at 111.1° W.L. also was added to the Permitted Space Station List. See Telesat Canada, *Petition for Declaratory Ruling for Inclusion of Anik E2R on the Permitted Space Station List*, File No. SAT-PDR-20030416-00068, Grant Stamp Order (Int'l Bur., June 3, 2003).

⁴ The Permitted Space Station List entry for Anik E2R also was modified to reflect this relocation. See Public Notice, Report No. SAT-00242, DA 04-2934 (Int'l Bur., Sept. 10, 2004).

⁵ See FCC File Nos. SAT-STA-20040923-00185, SAT-STA-20040923-00186.

operations.⁶

Need for Relocation

The Commission has granted PanAmSat licenses to operate two space stations in the vicinity of 74° W.L.: (1) Galaxy 12, a C-band satellite that is assigned to 74.0° W.L.; and (2) SBS-6, a Ku-band satellite that is assigned to 74.05° W.L. Pursuant to an STA, however, Galaxy 12 has been relocated to 125° W.L.,⁷ where it has been serving as an in-orbit spare while Galaxy 5 approached the end of its useful life and where it will serve as the replacement for Galaxy 5, on an interim basis, when Galaxy 5 is retired from service next month.⁸

PanAmSat seeks to relocate Galaxy 3R in order to maintain C-band capabilities in the vicinity of 74° W.L. while Galaxy 12 is on temporary assignment at 125° W.L. PanAmSat will be filing a further STA request in the near future requesting authority to operate the satellite at that orbital location.⁹ PanAmSat also is in the process of re-evaluating its long term deployment plans for 74° W.L. and 125° W.L. and may be making additional filings in the future.

PanAmSat's STA request is supported by good cause. An STA will enable PanAmSat to relocate Galaxy 3R to 73.95° W.L., where it can serve as an in-orbit spare and where, following the filing for and grant of an STA for operational authority, it can be used to maintain C-band capability in the vicinity of 74° W.L. while Galaxy 12 provides replacement capacity at a different orbital location on an interim basis.

It is Commission policy to allow "satellite operators to rearrange satellites in their fleet to reflect business and customer considerations where no other

⁶ Because Galaxy 3R 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). PanAmSat anticipates, however, that at the end of its useful life Galaxy 3R will be boosted to a disposal orbit having an apogee and perigee of approximately 150 km above the geostationary orbit.

⁷ More precisely, Galaxy 12 initially was stationed at 125.25° W.L. and is being relocated to 125.05° W.L. See FCC File Nos. SAT-STA-20041208-00216, SAT-STA-20040708-00130.

⁸ The Commission has authorized PanAmSat to operate Galaxy 14 as a replacement for Galaxy 5. Galaxy 14, however, will not be launched until after Galaxy 5 needs to be decommissioned.

⁹ Based on customer requirements, PanAmSat may seek authority to operate both the C-band payload and the Ku-band payload on Galaxy 3R while it is located at 73.95° W.L., in which case it will coordinate the Ku-band operations on Galaxy 3R and SBS-6 to avoid frequency conflicts.

public interest factors are adversely affected.”¹⁰ The Commission has consistently recognized that satellite operators are “in a better position to determine how to tailor their systems to meet the particular needs of customers.”¹¹ Grant of PanAmSat’s STA request will advance these policies.

Moreover, grant of the requested STA would present no risk of harmful interference. The communications payload on Galaxy 3R 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 the satellite is on station.

TT&C Frequencies

Uplink TT&C transmissions on Galaxy 3R will occur at either 5935.0 MHz (horizontal) or 6415.0 MHz (vertical) and downlink TT&C transmissions will occur at 4198.5 MHz and 4199.625 MHz. The complete uplink and downlink TT&C transmission parameters are as follows:

Command:	6415.0 MHz, vertical (dish)
	5935.0 MHz, horizontal (omni)
Telemetry:	4198.5 MHz, horizontal (dish)
	4199.625 MHz, horizontal (dish)
	4198.5 MHz, vertical (omni)
	4199.625 MHz, vertical (omni)

¹⁰ *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).

¹¹ *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).

Conclusion

Accordingly, and for good cause shown, PanAmSat respectfully requests an STA for 180 days, following the expiration of the 30-day STA that PanAmSat previously requested, in order to complete the relocation of Galaxy 3R to 73.95° W.L. and to continue operating the TT&C payload on the satellite once it is on station at 73.95° W.L.

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