

E980081 SES-STA-20110804-00923
EchoStar Broadcasting Corporation

IB2011003846

Approved by OMB
3060-0678

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
Renewal of Special Temporary Authority to Operate Call Sign E980081 with, and Provide TT&C for, EchoStar 6 at 76.95 W.L.

1. Applicant

Name:	EchoStar Broadcasting Corporation	Phone Number:	202-293-0981
DBA Name:		Fax Number:	
Street:	100 Inverness Terrace East	E-Mail:	
City:	Englewood	State:	CO
Country:	USA	Zipcode:	80112 -
Attention:	Ms. Alison Minea		



GRANTED
International Bureau

SES-STA-20110804-00923
E980081
Call Sign E980081 Grant Date 8-11-11
(or other identifier)
From 8-12-11 Term Dates 8-11-11
Approved: [Signature]

with conditions

Conditions of Grant of SES-STA-20110804-00923, E980081

The request of EchoStar Broadcasting Corporation (EchoStar) for extension of special temporary authority described in IBFS File No. SES-STA-201100804-00923, is granted. Accordingly, EchoStar is authorized a 30 day extension, from August 12, 2011 to September 11, 2011, to SES-STA-20110630-00780, to conduct telemetry, tracking, and telecommand operations and feederlink communications with EchoStar 6 space station (Call Sign S2232) at 76.95° W.L. orbital location authorized under SAT-STA-20110401-00067. This authorization shall be in accordance with the technical specifications set forth in EchoStar's application SES-MFS-20110314-00290, SAT-STA-20110401-00067, the extension of SAT-STA-20110401-00067 if granted, the Commission's rules, and is subject to the following conditions:

- 1) All operations shall be on an unprotected and non-harmful interference basis, *i.e.* EchoStar shall not cause harmful interference to, and shall not claim protection from interference caused to it by, any other lawfully operating radiocommunication station.
- 2) In the event that any harmful interference is caused as a result of operations of the EchoStar 6 satellite, EchoStar shall cease operations immediately upon notification of such an event, and shall inform the Commission immediately, in writing, of the event.
- 3) Any action taken or expense incurred as a result of operations pursuant to this special temporary authority is solely at EchoStar's own risk.
- 4) This action is issued pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. § 0.261, and is effective immediately.
- 5) If extension of SAT-STA-20110401-00067 is not granted this authorization ends upon the date that SAT-STA-20110401-00067 expires.

SES-STAR-20110804-00923

E980081

Call Sign (or other identifier) Grant Date 8-11-11

From 8-12-11 Term Expires For 9-11-11

Approved: [Signature]

GRANTED International Bureau

2. Contact

Name:	Pantelis Michalopoulos	Phone Number:	(202) 429-6494
Company:	Steptoe & Johnson LLP	Fax Number:	
Street:	1330 Connecticut Ave. NW	E-Mail:	pmichalopoulos@steptoe.com
City:	Washington	State:	DC
Country:	USA	Zipcode:	20036 -
Attention:		Relationship:	Legal Counsel

(If your application is related to an application filed with the Commission, enter either the file number or the IB Submission ID of the related application. Please enter only one.)

3. Reference File Number SESSTA2011063000780 or Submission ID

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 CGX – Fixed Satellite Transmit/Receive Earth Station

5. Type Request

Use Prior to Grant

Change Station Location

Other

6. Requested Use Prior Date

7. City Cheyenne

8. Latitude
(dd mm ss.s h) 41 7 58.3 N

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Before the
FEDERAL COMMUNICATIONS COMMISSION
Washington, D.C. 20554

) File No. SES-STA-20110525-00622
) File No. SES-STA-20110630-00781
) File No. SES-STA-_____-_____
) Call Sign E050017
)

ECHOSTAR BROADCASTING CORPORATION
) File No. SES-STA-20110525-00623
) File No. SES-STA-20110630-00782
) File No. SES-STA-_____-_____
) Call Sign E070273
)

Application for Renewal of Special
Temporary Authority to Operate Three
Transmit/Receive Earth Stations with
EchoStar 6 at 76.95° W.L.
) File No. SES-STA-20110525-00624
) File No. SES-STA-20110630-00780
) File No. SES-STA-_____-_____
) Call Sign E980081
)
)
)
)

APPLICATION FOR RENEWAL OF SPECIAL TEMPORARY AUTHORITY

By this Application, and pursuant to Section 25.120(a)(3), EchoStar Broadcasting Corporation (“EBC”) requests renewal of its special temporary authority (“STA”) to operate three earth stations with the EchoStar 6 satellite at 76.95° W.L. as follows: (1) to operate two transmit/receive earth stations (Call Signs E070273 and E980081) to provide only telemetry, tracking, and control (“TT&C”); and (2) to operate one transmit/receive earth station (Call Sign E050017) to provide both TT&C and feeder link communications.¹ The current STAs for each of the earth stations expire on August 7, 2011,² August 11, 2011,³ and August 11, 2011,⁴ respectively.

¹ See 47 C.F.R. § 25.120(b)(3).

² See Stamp Grant, File No. File No. SES-STA-20110630-00782, Call Sign E070273 (granted July 7, 2011).

EchoStar 6 arrived at the 76.95° W.L. orbital location on February 13, 2011, and began providing service on February 14, 2011.⁵ The relocation was prompted by a single event upset (“SEU”) that temporarily affected the EchoStar 8 satellite.⁶ On March 14, 2011, EchoStar filed an application to transfer EchoStar 6 to QuetzSat, S. de R.L. de C.V. (“QuetzSar”), which will operate the satellite under Mexican authority from the 76.95° W.L. orbital location.⁷ EchoStar also filed an application (“Blanket Earth Station Application”) to modify its blanket earth station authorization to provide service from the Mexican-licensed EchoStar 6 satellite.⁸ This renewal STA request is necessary to allow the continued operation of EchoStar 6 while these applications remain pending.⁹

⁵ See Stamp Grant, File No. File No. SES-STA-20110630-00780, Call Sign E980081 (granted July 7, 2011).

⁴ See Stamp Grant, File No. File No. SES-STA-20110630-00781, Call Sign E050017 (granted July 7, 2011).

⁵ See Stamp Grant, File Nos. SAT-STA-20110207-00026 (granted Feb. 11, 2011); SAT-STA-20110225-00036 (granted Mar. 1, 2011); SAT-STA-20110401-00067 (granted Apr. 7, 2011); SAT-STA-20110608-00104 (granted June 14, 2011). EchoStar Satellite Operating Corporation will also file an application to renew its current special temporary authority to operate EchoStar 6 at 76.95° W.L.

⁶ See Letter from Petra A. Vorwig, Counsel for EchoStar Corporation, to Marlene H. Dortch, Secretary, FCC, filed in File No. SAT-T/C-20090217-00026 (Feb. 1, 2011).

⁷ See File No. SAT-T/C-20110314-00054 (filed Mar. 14, 2011). That application was filed subject to the then-pending *pro forma* assignment of the satellite to EchoStar Satellite Operating Corporation. See Radio Station Authorization, File No. SAT-ASG-20110224-00033 (granted Apr. 21, 2011).

⁸ See File No. SES-MFS-20110314-00288 (filed Mar. 14, 2011) (“Blanket Earth Station Application”). See also File Nos. SES-MFS-20110314-00291, SES-MFS-20110314-00290, SES-MFS-20110314-00289 (modifying the above referenced earth station licenses). These applications were filed subject to the proposed *pro forma* assignment.

⁹ The Mexican concessionaire for the 77° W.L. orbital location informed COFETEL of EchoStar 6’s relocation, and COFETEL “expressed no objection to placement of the Echo 6 satellite in the 77 W cluster.” See Letter from Ricardo Ríos Ferrer, Legal Representative,

I. BACKGROUND

The nominal 77° W.L. orbital location is allotted to Mexico under the Region 2 Broadcasting-Satellite Service plan set forth in Appendices 30 and 30A to the International Radio Regulations. In addition to the EchoStar 6 satellite, EchoStar currently operates three Direct Broadcast Satellites (“DBS”) at the nominal 77° W.L. orbital location under Mexican authority issued to its partner, QuetzSat: EchoStar 1, EchoStar 4, and EchoStar 8. The satellites are used by EchoStar’s customers, DISH Network L.L.C. (“DISH”) and DISH Mexico, to provide DBS service in the United States and Mexico, respectively. The U.S. service includes local-into-local programming in a number of markets in the southern United States.

EchoStar 6, operating with EchoStar 1 and EchoStar 8 at 77° W.L., provides sufficient capacity to avoid service disruptions from that slot in the event any of the satellites experience a problem. EchoStar 1, a satellite launched in December 1995, has limited capability (only up to 16 transponders), and EchoStar 4, having reached the end of its design life, has been retired from commercial service and deorbited.¹⁰

II. GRANT OF THIS APPLICATION IS IN THE PUBLIC INTEREST

This STA request is in the public interest for the reasons set forth in the Satellite STA Application and the Blanket Earth Station Application, which are incorporated herein by reference. Furthermore, grant of this application will ensure the continued safe operation of EchoStar 6 at the 76.95° W.L. orbital location. Grant of this application will not cause harmful

QuetzSat, S. de R.L. de C.V., to EchoStar Satellite Service LLC (Feb. 4, 2011), *filed in* File No. SAT-STA-201110207-00026, Attachment 2.

¹⁰ The Commission recently granted special temporary authority for EchoStar 4 to execute end-of-life maneuvers to boost the satellite to a disposal orbit. *See* Public Notice, DA No. 11-1196 (rel. July 11, 2011) (notice grant of EchoStar Satellite Operating Corporation, File No. SAT-STA-20110627-00122).

interference because EBC will operate the earth stations to conduct TT&C operations and feeder link communications while EchoStar 6 is operating at 76.95° W.L. in accordance with the conditions imposed on the original grant held by EchoStar.¹¹

III. WAIVER PURSUANT TO SECTION 304 OF THE ACT

In accordance with Section 304 of the Communications Act of 1934, as amended, 47 U.S.C. § 304, EBC hereby waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise.

IV. CONCLUSION

For the foregoing reasons, EBC respectfully requests the grant of its application for renewal of its special temporary authority to operate two transmit/receive earth stations (Call Signs E070273 and E980081) to provide TT&C service, and to operate one transmit/receive earth station (Call Sign E050017) to provide both TT&C service and feeder link communications, for EchoStar 6 at 76.95° W.L.

¹¹ See Stamp Grant, File Nos. SES-STA-20110207-00120; SES-STA-20110207-00121; SES-STA-20110207-00122 (granted Feb. 10, 2011).

Respectfully submitted,

/s/

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August 4, 2011