

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 E070273 with EchoStar 6 During Operation at 61.65 W.L.

1. Applicant

<b>Name:</b>	EchoStar Corporation	<b>Phone Number:</b>	303-723-1000
<b>DBA Name:</b>		<b>Fax Number:</b>	
<b>Street:</b>	100 Inverness Terrace East	<b>E-Mail:</b>	
<b>City:</b>	Englewood	<b>State:</b>	CO
<b>Country:</b>	USA	<b>Zipcode:</b>	80112 -
<b>Attention:</b>	Linda Kinney - (202)293-0981		



*With Conditions*

File # SES-STA-20100609-00682  
Call Sign E070273 Grant Date 7/14/2010  
(or other identifier)  
Term Dates  
From 7/3/2010 To: 8/31/2010  
Approved: Jeanette W. Spruzyl

Attachment

SES-STA-20100609-00682  
E070273

Conditions:

EchoStar Corporation is authorized to use the 17,305 MHz frequency for telecommand, and the 12,203 MHz and 12,204 MHz frequencies for telemetry, to effect the drift of the EchoStar 6 satellite from the 72.7°W.L. orbital location to the 61.65°W.L. orbital location.

EchoStar will coordinate its TT&C operations with all potentially affected operating satellite networks.

No harmful interference will be caused to any lawfully operating satellite network or radiocommunication system and EchoStar Corporation will cease immediately upon notification of harmful interference. Further, EchoStar shall notify the Commission within three days in writing of such an event.

EchoStar will accept interference from any lawfully operating satellite network or radiocommunication system.

*With Conditions*

File # SES-STA-20100609-00682

Call Sign E070273 Grant Date 7/14/2010  
(or other identifier)

Term Dates  
From 7/3/2010 To: 8/31/2010

Approved: Jeanette A. Spruill



**2. Contact**

<b>Name:</b>	Pantelis Michalopoulos	<b>Phone Number:</b>	(202) 429-6494
<b>Company:</b>	Steptoe & Johnson LLP	<b>Fax Number:</b>	
<b>Street:</b>	1330 Connecticut Ave. NW	<b>E-Mail:</b>	pmichalopoulos@steptoe.com
<b>City:</b>	Washington	<b>State:</b>	DC
<b>Country:</b>	USA	<b>Zipcode:</b>	20036 -
<b>Attention:</b>		<b>Relationship:</b>	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 SESSTA2010042800487 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 Quicksburg

8. Latitude

(dd mm ss.s h) 38 43 24.3 N



**FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT**

The public reporting for this collection of information is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the required data, and completing and reviewing the collection of information. If you have any comments on this burden estimate, or how we can improve the collection and reduce the burden it causes you, please write to the Federal Communications Commission, AMD-PER, Paperwork Reduction Project (3060-0678), Washington, DC 20554. We will also accept your comments regarding the Paperwork Reduction Act aspects of this collection via the Internet if you send them to [PRA@fcc.gov](mailto:PRA@fcc.gov). PLEASE DO NOT SEND COMPLETED FORMS TO THIS ADDRESS.

Remember – You are not required to respond to a collection of information sponsored by the Federal government, and the government may not conduct or sponsor this collection, unless it displays a currently valid OMB control number or if we fail to provide you with this notice. This collection has been assigned an OMB control number of 3060-0678.

**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.**



additional transponder capacity on EchoStar 3. The current STA is set to expire on July 3, 2010 and therefore, EchoStar is requesting this renewal.<sup>2</sup>

Prior to EchoStar 6's move to the nominal 61.5° W.L. orbital location, EchoStar was operating two Direct Broadcast Satellite ("DBS") service satellites at the nominal 61.5° W.L. orbital location – EchoStar 3 and EchoStar 12 (formerly Rainbow 1). As the Commission is aware, EchoStar 3 experienced several transponder failures due to Traveling Wave Tube Amplifier ("TWTAs") anomalies, and was operating at reduced capacity.<sup>3</sup> On January 7, 2010, EchoStar 3 experienced another TWTAs anomaly further diminishing its operating capacity.

As a result of this failure, EchoStar was not able to maintain its level of service provided from 61.5° W.L. without at least the relocation of one additional satellite to the orbital location. EchoStar, therefore, requested and received special temporary authority to relocate EchoStar 6 to 61.65° W.L. as an in-orbit spare, where the satellite will supplement, as needed, the service provided by EchoStar 3 and EchoStar 12 to maintain regular programming.<sup>4</sup> EchoStar also requested and received authority to operate temporarily the above referenced transmit/receive earth stations to provide TT&C and feeder link service for the satellite once it arrived at 61.65°

---

<sup>2</sup> See Stamp Grant, File Nos. SES-STA-20100428-00489 (granted May 11, 2010); SES-STA-2010428-00488 (granted May 11, 2010); SES-STA-20100428-00487 (granted May 11, 2010).

<sup>3</sup> See EchoStar 3 Status Report, File No. SAT-STA-20090821-00092 (filed Dec. 30, 2009) ("EchoStar 3 Status Report"); *EchoStar Satellite Operating Corporation, Application for Extension and Modification of Special Temporary Authority to Operate Direct Broadcast Satellite Service over Channels 23 and 24 at the 61.5° W.L. Orbital Location*, Order and Authorization, 22 FCC Rcd. 22223, at ¶¶ 4-6 (2007).

<sup>4</sup> See Stamp Grant, File No. SAT-STA-20100203-00020 (granted Mar. 3, 2010), *renewed* by Stamp Grant, File No. SAT-STA-20100512-00100 (granted May 25, 2010).

W.L. The Commission renewed STA to operate those earth stations on May 11, 2010,<sup>5</sup> and EchoStar hereby applies to extend that STA for an additional 60 days.

The concurrent operation of these satellites ensures that EchoStar's customer, DISH Network Corporation, will be able to continue providing DBS service to consumers without any service interruptions until EchoStar's EchoStar 15 satellite begins operating at 61.5° W.L.<sup>6</sup> EchoStar 15, a 32-transponder-capable DBS satellite, is expected to effectively replace EchoStar 3 and will be ready for launch by the third quarter of 2010.<sup>7</sup> Upon launch and successful testing of EchoStar 15, EchoStar currently expects to return EchoStar 6 to its current home – 72.7° W.L. EchoStar has been advised by its partner, Telesat Canada, which has the license for that Canadian orbital location, that the move from, and return to, 72.7° W.L. is not likely to cause regulatory concern on the part of Industry Canada. In any event, any redeployment of EchoStar 6 will take place after securing all necessary authority, and EchoStar will advise the Commission of any change in its plans.

**I. THIS APPLICATION IS IN THE PUBLIC INTEREST AND WILL NOT CAUSE HARMFUL INTERFERENCE**

This application is in the public interest for the reasons set forth in the Satellite STA Application, which are incorporated herein by reference. Furthermore, grant of this application will ensure the safe operation of EchoStar 6 at the 61.65° W.L. orbital location. Grant of this

---

<sup>5</sup> See Stamp Grant, File Nos. SES-STA-20100203-00155 (granted Mar. 5, 2010); SES-STA-20100203-00154 (granted Mar. 5, 2010); SES-STA-20100203-00153 (granted Mar. 5, 2010) (“Earth Station STAs”), *renewed by* Stamp Grant, File Nos. SES-STA-20100428-00489 (granted May 11, 2010); SES-STA-2010428-00488 (granted May 11, 2010); SES-STA-20100428-00487 (granted May 11, 2010).

<sup>6</sup> See File No. SAT-LOA-20100310-00043 (filed Mar. 10, 2010) (“EchoStar 15 Application”).

<sup>7</sup> See EchoStar 15 Application.



application also will not cause harmful interference because EchoStar will operate the earth stations to conduct TT&C and feederlink capability for the temporary operation of the EchoStar 6 satellite at 61.65° W.L. in accordance with the grant conditions.<sup>8</sup>

## II. 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, EchoStar 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.

## III. CONCLUSION

For the foregoing reasons, EchoStar respectfully requests renewal of its special temporary authority for 60 days to operate three transmit/receive earth stations (Call Signs E980081, E980082 and E070273) to provide TT&C and feederlink capability for the EchoStar 6 satellite during its temporary operations at 61.65° W.L.

Respectfully submitted,

\_\_\_\_\_  
/s/

Pantelis Michalopoulos  
Petra A. Vorwig  
Laura Lisa Sandoval  
Stephie & Johnson LLP  
1330 Connecticut Avenue, N.W.  
Washington, D.C. 20036  
(202) 429-3000  
*Counsel for EchoStar Corporation*

Linda Kinney  
Vice President, Law and Regulation  
**EchoStar Corporation**  
1233 20th Street, N.W.  
Suite 302  
Washington, D.C. 20036-2396  
(202) 293-0981

June 9, 2010

---

<sup>8</sup> See Earth Station STAs.