

SAT-STA-20100512-00100

IB2010001520

EchoStar Corporation

File # SAT-STA-2010 0512-00100

Call Sign S2232 Grant Date 05/25/10

(or other identifier) Term Dates period of

From 05/18/10 To: 60 days

Approved by OMB  
3060-0678

Approved: *Stephen J. Dual*

Stephen J. Dual

Chief, Satellite Policy Branch



Date & Time Filed: May 12 2010 5:14:09:400PM  
File Number: SAT-STA-20100512-00100  
Callsign:

FEDERAL COMMUNICATIONS COMMISSION  
APPLICATION FOR SPACE STATION SPECIAL TEMPORARY AUTHORITY  
FOR OFFICIAL USE ONLY

APPLICANT INFORMATION

Enter a description of this application to identify it on the main menu:  
Renewal of Special Temporary Authority to Operate EchoStar 6 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		

Attachment to Grant  
EchoStar Corporation  
IBFS File No. SAT-STA-20100512-00100, Call Sign S2232  
May 25, 2010

EchoStar Corporation is granted special temporary authority to continue operating the EchoStar 6 space station (Call Sign S2232) at the 61.65° W.L. orbital location for a period of 60 days commencing on May 18, 2010. Operations pursuant to this authorization shall be in accordance with conditions imposed as part of EchoStar Corporation's authorization to operate EchoStar 6 at this orbital location, granted on March 3, 2010. IBFS File No. SAT-STA-20100203-00020.



\*subject to conditions

File # SAT- STA-20100512-00100

Call Sign S2232 Grant Date 05/25/10  
(or other identifier)

Term Dates period of  
From 05/18/10 To: 60 days

Approved: *Stephen J. Duall*

Stephen J. Duall  
Chief, Satellite Policy Branch

<b>2. Contact</b>	
<b>Name:</b>	Pantelis Michalopoulos
<b>Company:</b>	Step toe & Johnson LLP
<b>Street:</b>	1330 Connecticut Ave. NW
<b>Phone Number:</b>	(202) 429-6494
<b>Fax Number:</b>	
<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>	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 SATSTA2010040100062 or Submission ID	
4a. Is a fee submitted with this application?	
<input checked="" type="radio"/> If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114).	
<input type="radio"/> Governmental Entity <input type="radio"/> Noncommercial educational licensee	
<input type="radio"/> Other (please explain):	
4b. Fee Classification	
5. Type Request	
<input type="radio"/> Change Station Location	<input checked="" type="radio"/> Extend Expiration Date
<input type="radio"/> Other	<input type="radio"/> Other
6. Temporary Orbit Location	
61.65 W.L.	7. Requested Extended Expiration Date
	2010-07-16 00:00:00.0

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.)

EchoStar Corporation seeks renewal of its special temporary authority for an additional 60 days to operate the EchoStar 6 satellite at 61.65 W.L. See attached narrative.

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  
Linda Kinney

11. Title of Person Signing  
Vice President, Law and Regulation

12. Please supply any need attachments.

Attachment 1: Narrative

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

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	)	
	)	
In the Matter of	)	
	)	
<b>ECHOSTAR CORPORATION</b>	)	File No. SAT-STA-20100203-00020
	)	File No. SAT-STA-20100401-00062
Application to Renew its Special Temporary	)	File No. SAT-STA-2010_____
Authority To Operate EchoStar 6 as an	)	
In-Orbit Spare at 61.65° W.L.	)	
	)	
	)	

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**APPLICATION FOR RENEWAL OF SPECIAL TEMPORARY AUTHORITY**

By this Application, EchoStar Corporation (“EchoStar”) requests renewal of its special temporary authority (“STA”) for an additional 60 days to operate the EchoStar 6 satellite at 61.65° W.L. as an in-orbit spare while its application for authority to operate at that location remains pending.<sup>1</sup> Pursuant to the Commission’s authorization,<sup>2</sup> EchoStar moved the satellite to that orbital location on February 28, 2010, and the current STA to operate there expires on May 17, 2010.<sup>3</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

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<sup>1</sup> See File No. SAT-A/O-20100203-00019 (filed Feb. 3, 2010).

<sup>2</sup> See Stamp Grant, File No. SAT-STA-20100203-00020 (granted Mar. 3, 2010).

<sup>3</sup> See Stamp Grant, File No. SAT-STA-20100401-00062 (granted Apr. 23, 2010). While EchoStar requested that the STA be extended for 60 days, the Bureau limited the extension to 30 days.

Amplifier (“TWTA”) anomalies, and was operating at reduced capacity.<sup>4</sup> On January 7, 2010, EchoStar 3 experienced another TWTA 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 STA 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>5</sup> EchoStar also filed a request for full authority to maintain the satellite as an in-orbit spare and to provide service as needed, which remains pending.<sup>6</sup>

On May 3, 2010, EchoStar 3 experienced another transponder failure as a result of TWTA anomalies, further diminishing EchoStar 3’s operating capacity. Pursuant to its STA, EchoStar activated the communications payload of the EchoStar 6 satellite to maintain service following the failure, and notified the Commission.<sup>7</sup> EchoStar now applies to extend this STA for an additional 60 days.

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<sup>4</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. 2223, at ¶¶ 4-6 (2007).

<sup>5</sup> See Stamp Grant, File No. SAT-STA-20100203-00020 (granted Mar. 3, 2010).

<sup>6</sup> File No. SAT-A/O-20100203-00019 (filed Feb. 3, 2010). The application was placed on public notice on March 26, 2010. Public Notice, Report No. SAT-00675 (Mar. 26, 2010).

<sup>7</sup> See Letter to Marlene H. Dortch, Secretary, FCC, from Petra A. Vorwig, Counsel for EchoStar Corporation (dated May 3, 2010).

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

For the same reason the previous STAs were granted, so too is this modest extension in the public interest.<sup>8</sup> The continued operation at 61.65° W.L. will ensure that EchoStar's customer, DISH Network Corporation, will be able to continue providing high-quality DBS service to consumers without any service interruptions until EchoStar's EchoStar 15 satellite is authorized and begins operating at 61.5° W.L.<sup>9</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.

Furthermore, the continued operation of EchoStar 6 to 61.65° W.L. as an in-orbit spare will not cause harmful interference to any other U.S.-licensed satellite operator. To the east, there are no operational BSS satellites serving the United States within 9 degrees of 61.65° W.L., other than EchoStar's own EchoStar 12 satellite.<sup>10</sup> To the west, the closest operational BSS satellite serving the United States is the DIRECTV 1R satellite, which is operating at 72.5° W.L. under Canadian authority. The DIRECTV satellite is more than 10 degrees away from the proposed orbital location for EchoStar 6 and, therefore, will not experience additional interference as a result of the proposed continued operations.

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<sup>8</sup> File Nos. SAT-STA-20100203-00020 (granted Mar. 3, 2010); SAT-STA-20100401-00062 (granted Apr. 23, 2010). The information provided in those applications is incorporated herein by reference.

<sup>9</sup> See File No. SAT-LOA-20100310-00043 (filed Mar. 10, 2010).

<sup>10</sup> EchoStar has been granted STA to operate EchoStar 12 at 61.35° W.L. See Stamp Grant, File Nos. SAT-STA-20100203-00021 (granted Feb. 19, 2010); SAT-STA-20100414-00076 (granted May 12, 2010). EchoStar has applied for minor modification of its authority to operate EchoStar 12 at 61.35° W.L., which is still pending. See File No. SAT-MOD-20100310-00042 (filed Mar. 10, 2010).



## 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 the grant of its application to renew its special temporary authority for an additional 60 days to operate EchoStar 6 at 61.65° W.L. EchoStar will continue to operate the satellite pursuant to the conditions imposed in the original grant.<sup>11</sup>

Respectfully submitted,

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

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May 12, 2010

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<sup>11</sup> Stamp Grant, File No. SAT-STA-20100203-00020 (granted Mar. 3, 2010).