

S2741 SAT-STA-20151111-00076 IB2015002204  
EchoStar Satellite Operating Corporation  
EchoStar 3



File # SAT-STA-2015 1111-00076

Call Sign S2741 Grant Date 01/07/16  
(or other identifier)

Term Dates period of  
From 12/18/15 To: 180 days

Approved by OMB  
3060-0678

Approved: Stephen J. Duall  
Stephen J. Duall  
Chief, Satellite Policy Branch

\*with conditions

Date & Time Filed: Nov 11 2015 3:58:54:356PM  
File Number: SAT-STA-20151111-00076  
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:  
Renewal of 180-day STA to Operate EchoStar 3 at 61.8 W.L.

1. Applicant

<b>Name:</b>	EchoStar Satellite Operating Corporation	<b>Phone Number:</b>	301-428-5893
<b>DBA Name:</b>		<b>Fax Number:</b>	
<b>Street:</b>	100 Inverness Terrace East	<b>E-Mail:</b>	jennifer.manner@echostar.com
<b>City:</b>	Englewood	<b>State:</b>	CO
<b>Country:</b>	USA	<b>Zipcode:</b>	80112 -
<b>Attention:</b>	Jennifer A Manner		

EchoStar Satellite Operating Corporation  
IBFS File No. SAT-STA-20151111-00076  
Call Sign S2741

The application of EchoStar Satellite Operating Corporation (EchoStar), for special temporary authority, IBFS File No. SAT-STA-20151111-00076, is granted. Accordingly, EchoStar is authorized, for a period of 180 days, commencing on December 18, 2015, to continue to conduct telemetry, tracking, and control operations, using the 12.201 GHz, 12.203 GHz, and 12.699 GHz (space-to-Earth), and 17.3015 GHz (Earth-to-space) center frequencies, sufficient to maintain the EchoStar 3 space station (Call Sign S2741) as an in-orbit spare at the 61.8° W.L. orbital location. All operations of the EchoStar 3 space station must be in accordance with the technical specifications set forth in EchoStar's application, Federal Communications Commission's rules, and the conditions set forth below.

1. All operations under this grant of special temporary authority must be on an unprotected and non-harmful interference basis. EchoStar must not cause harmful interference to, and must not claim protection from interference caused to it by, any other lawfully operating radio communication system.
2. In the event of any harmful interference as a result of operations under this grant of special temporary authority, EchoStar must cease operations immediately upon notification of such interference, and must inform the Commission, in writing, immediately of such an event.
3. EchoStar must maintain the EchoStar 3 space station with an east/west longitudinal station-keeping tolerance of  $\pm 0.05$  degrees of the 61.8° W.L. orbital location.
4. Any action or expense incurred as a result of operations pursuant to this grant of special temporary authority is at EchoStar's own risk.
5. EchoStar is afforded 30 days from the date of release to decline this authorization as conditioned. Failure to respond within this period will constitute formal acceptance of the authorization as conditioned.
6. 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 upon release.



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Approved: Stephen J. Duall

Stephen J. Duall  
Chief, Satellite Policy Branch

2. Contact	
<b>Name:</b> Jesse Jachman	<b>Phone Number:</b> 301-428-5975
<b>Company:</b> EchoStar Satellite Operating Corporation	<b>Fax Number:</b> 301-428-2818
<b>Street:</b> 11717 Exploration Lane	<b>E-Mail:</b> jesse.jachman@echostar.com
<b>City:</b> Germantown	<b>State:</b> MD
<b>Country:</b> USA	<b>Zipcode:</b> 20876 -
<b>Attention:</b>	<b>Relationship:</b>
(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 SATSTA2015051400036 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 CRY - Space Station (Geostationary)	
5. Type Request	
<input type="radio"/> Change Station Location <input checked="" type="radio"/> Extend Expiration Date <input type="radio"/> Other	
6. Temporary Orbit Location 61.8	7. Requested Extended Expiration Date 2016-06-14 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 Satellite Operating Corporation requests a 180-day renewal of its STA to operate the EchoStar 3 satellite at 61.8. W.L. as an in-orbit spare. Specifically, EchoStar requests continued authority to conduct TT&C over the following frequencies

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  
Jennifer A. Manner

11. Title of Person Signing  
Vice President, Regulatory Affairs

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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**REQUEST FOR RENEWAL OF SPECIAL TEMPORARY AUTHORITY  
(Response to Question 8 of FCC Form)**

Pursuant to Section 25.120(b)(2) of the Commission's rules,<sup>1</sup> EchoStar Satellite Operating Corporation (with its affiliates, "EchoStar") hereby requests a 180-day renewal of its special temporary authority ("STA") to operate the EchoStar 3 satellite at 61.8° W.L. as an in-orbit spare. Specifically, EchoStar requests continued authority to conduct TT&C over the following frequencies: 17301.5 MHz (command); and 12201.0 MHz, 12203.0 MHz, and 12699.0 MHz (telemetry). The current STA for the space station expires on December 17, 2015.<sup>2</sup>

EchoStar launched the EchoStar 16 satellite in November 2012 to provide additional service for its customer, DISH Network L.L.C., at the nominal 61.5° W.L. orbital location. In anticipation of the arrival of EchoStar 16 at 61.5° W.L., and to provide adequate station-keeping margins for all the satellites in the 61.5° W.L. orbital cluster,<sup>3</sup> EchoStar repositioned EchoStar 3 at 61.8° W.L. in early 2012.<sup>4</sup> Operating at 61.8° W.L. as an in-orbit spare, EchoStar 3 is in close proximity to the 61.5° W.L. nominal orbital location and remains available, if needed, for repositioning within the orbital cluster to provide service. Accordingly, grant of the requested STA is in the public interest.

The requested STA is in the public interest for the same reason EchoStar was previously granted an STA to operate EchoStar 3 as an in-orbit spare.<sup>5</sup> Grant of this application will ensure

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<sup>1</sup> 47 C.F.R. § 25.120(b)(2).

<sup>2</sup> See Stamp Grant, File No. SAT-STA-20150514-00036 (granted July 9, 2015).

<sup>3</sup> EchoStar 3, EchoStar 12, and EchoStar 6 have been operating at 61.8° W.L., 61.35° W.L., and 61.5° W.L., respectively. EchoStar 15 also was operating in the 61.5° W.L. cluster, but has been relocated to 45.1° W.L. See Stamp Grant, File No. SAT-MOD-20130503-00066 (granted June 20, 2013).

<sup>4</sup> See Stamp Grant, File No. SAT-STA-20120424-00073 (granted Apr. 30, 2012).

<sup>5</sup> See *id.*

safe station-keeping margins for each satellite located at the nominal 61.5° W.L. orbital location. Further, grant of this application will not cause harmful interference because EchoStar will conduct TT&C operations with EchoStar 3 at 61.8° W.L. in accordance with the conditions imposed on the original STA grant.<sup>6</sup>

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<sup>6</sup> *See id.*