

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:  
Renewal of 180-Day Special Temporary Authority to Operate Call Sign E010242 with, and Provide TT&C for, EchoStar 3 at 61.8 W.  
L.

1. Applicant

<b>Name:</b>	EchoStar Broadcasting 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>	
<b>City:</b>	Englewood	<b>State:</b>	CO
<b>Country:</b>	USA	<b>Zipcode:</b>	80112 -
<b>Attention:</b>	Jennifer A Manner		



"Extensions with conditions"

File # SES-STA-20160603-00477

Call Sign E010242 Grant Date 08/09/2016  
(or other identifier)

From 08/09/2016 Term Dates 02/05/2017  
TT&C

Approved: Paul E. Blaw

Applicant: EchoStar Broadcasting Corporation  
Call Sign: E010242  
File No.: SES-STA-20160603-00477  
Special Temporary Authority (STA)

EchoStar Broadcasting Corporation (EBC) is granted 180 days extension of special temporary authority, under the following conditions to use its earth station, Call Sign E010242, located in Gilbert, AZ, to perform command and range test of emergency TT&C operations with EchoStar 3 satellite at orbital location 61.8°W.L. using frequencies: 17301.5 MHz (command), and 12201.0 MHz, 12203.0 MHz, and 12699.0 MHz (telemetry) with the following conditions:

1. Grant of this STA is without prejudice to any determination that the Commission may make regarding pending or future EchoStar Broadcasting Corporation applications.
2. All operations under this grant of STA shall be on an unprotected and non-harmful interference basis. EchoStar Broadcasting Corporation E010242 shall not cause harmful interference to, and shall not claim protection from interference caused to it by, any other lawfully operating radio communication system.
3. Operations of this earth station with Echostar 3 at 61.8° W.L. during the period when SES-STA-20150925-00646 expired to the grant of this license was authorized pursuant to Section 1.62 of the Commission's rules, 47 C.F.R. 1.62.
4. In the event of any harmful interference as a result of operations under this grant of STA, EchoStar Broadcasting Corporation shall cease operations immediately upon notification of such interference and shall immediately inform the Commission, in writing, of such an event.
5. Any action taken or expense incurred as a result of operations pursuant to this STA is solely at EchoStar Broadcasting Corporation's risk.

This grant 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.

*"Extension with conditions"*

*180 days*

 <b>GRANTED</b> International Bureau	File # <u>SES-STA-20160603-00477</u>
	Call Sign <u>E010242</u> Grant Date <u>08/09/2016</u> (or other identifier)
	Term Dates From <u>08/09/2016</u> To <u>02/05/2017</u>
	Approved: <i>Paul E. Hales</i>

**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 and EchoStar Broadcasting Corporation (together with their affiliates, "EchoStar") hereby request a 180-day renewal of its special temporary authorizations ("STAs") to operate: (i) the EchoStar 3 satellite at 61.8° W.L. as an in-orbit spare; and (ii) two transmit/receive earth stations (Call Signs E010242 and E020248) to provide only telemetry, tracking, and control ("TT&C") for EchoStar 3 at 61.8° W.L.. 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 STAs for the space station and two earth stations expire on, respectively, June 18 and 20, 2016.<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 to 61.8° W.L. in early 2012.<sup>4</sup> Operating at 61.8° W.L. as an in-orbit spare, EchoStar 3 remains available, if needed, for repositioning within the nominal 61.5° W.L. orbital cluster to provide service. Accordingly, grant of the requested STA renewal is in the public interest.

---

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

<sup>2</sup> See Stamp Grant, File No. SAT-STA-20151111-00076 (granted January 7, 2016).

<sup>3</sup> EchoStar 3, EchoStar 12, and EchoStar 16 are operating at 61.8° W.L., 61.35° W.L., and 61.5° W.L., respectively. EchoStar 15 also is operating at 61.65° W.L. as an in-orbit spare.

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

The requested STA renewal is in the public interest for the same reasons that the Commission granted the existing STAs.<sup>5</sup> Specifically, grant of this application will ensure 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>

---

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

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

**2. Contact**

<b>Name:</b>	Alexander Gerdenitsch	<b>Phone Number:</b>	301-428-1654
<b>Company:</b>	EchoStar Broadcasting Corporation	<b>Fax Number:</b>	
<b>Street:</b>	11717 Exploration Lane	<b>E-Mail:</b>	Alexander.Gerdenitsch@echostar.com
<b>City:</b>	Germantown	<b>State:</b>	MD
<b>Country:</b>	USA	<b>Zipcode:</b>	20876 -
<b>Attention:</b>		<b>Relationship:</b>	Engineer

(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 SESSTA2015092500646 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



**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. 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.**

## 12. Description

EchoStar Broadcasting Corporation requests renewal of its 180-day Special Temporary Authority to operate its transmit/receive earth station, Call Sign E010242, to provide TT&C for the EchoStar 3 satellite, Call Sign S2741, at 61.8 W.L. 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). See attached narrative.