

E020248 SES-STA-20180418-00370 IB2018000963  
EchoStar Operating L.L.C.

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:  
Blackhawk (E020248) STA to Deorbit EchoStar 6

1. Applicant

Name: EchoStar Operating L.L.C. Phone Number: 301-428-5893  
DBA Name: Fax Number:  
Street: 100 Inverness Terrace East E-Mail:  
City: Englewood State: CO  
Country: USA Zipcode: 80112  
Attention: Jennifer Manner



File # SES-STA-20180418-00370  
2020248  
Call Sign Grant Date 4-30-18  
(or other identifier)  
Term Dates  
From: 5-1-18 To: 8-31-18  
Approved: *[Signature]*

Applicant: EchoStar Operating L.L.C.  
Call Sign: E020248  
File No.: SES-STA-20180418-00370  
Special Temporary Authority (STA)

EchoStar Operating L.L.C. is granted a 30-day STA beginning May 1, 2018 to operate its earth station Call Sign E020248 at location 44° 11' 15.3" N, 103° 20' 9.7" W (NAD83) in Blackhawk, South Dakota to perform de-orbit maneuvers for the EchoStar 6 satellite (Call Sign 2232). Telemetry, tracking, and control ("TT&C") services will be conducted on 17305 MHz (Earth-to-space) and on 12203-12204 MHz (space-to-Earth) frequencies to a disposal orbit at nominal altitude of 386 kilometers <sup>above the ESO</sup> with the following conditions:

- 1) Operations shall not cause harmful interference to, and shall not claim protection from, interference caused to it by any other lawfully operating station and it shall cease transmission(s) immediately upon notice of such interference.
- 2) Operations must be coordinated with all operators of satellites that use the same frequency bands and are in the de-orbit path. All operators of satellites in that path will be provided with an emergency 24x7 contact phone number information for the mission.
- 3) Grant of this authorization is without prejudice to any determination that the Commission may make regarding pending or future EchoStar Operating L.L.C. applications.
- 4) Any action taken or expense incurred as a result of operations pursuant to this STA is solely at EchoStar Operating L.L.C.'s risk.
- 5) EchoStar Operating L.L.C. must dispose of EchoStar 6 satellite in accordance with 47 C.F.R. § 25.283.

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.



File # SES-STA 20180418-00370  
Call Sign E020248 Grant Date 4-30-18  
(or other identifier)  
Term Dates  
From: 5-1-18 To: 5-31-18  
Approved: Paul E. Black

<b>2. Contact</b>			
<b>Name:</b>	Jennifer A. Manner	<b>Phone Number:</b>	301-428-5893
<b>Company:</b>	EchoStar Operating L.L.C.	<b>Fax Number:</b>	
<b>Street:</b>	11717 Exploration Lane	<b>E-Mail:</b>	jennifer.manner@echostar.com
<b>City:</b>	Germantown	<b>State:</b>	MD
<b>Country:</b>	USA	<b>Zipcode:</b>	20876
<b>Attention:</b>		<b>Relationship:</b>	Same
(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 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 CGX – Fixed Satellite Transmit/Receive Earth Station			
5. Type Request			
<input type="radio"/> Use Prior to Grant <input type="radio"/> Change Station Location <input checked="" type="radio"/> Other			
6. Requested Use Prior Date			

7. CityBlackhawk	8. Latitude (dd mm ss.s h) 44 11 15.3 N
9. State SD	10. Longitude (dd mm ss.s h) 103 20 9.7 W
11. Please supply any need attachments. Attachment 1: Exhibit Attachment 2: Attachment 3:	
12. 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.) <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">Seeking 30-day special temporary authority to operate certain earth stations for TT&amp;C communications required to deorbit the EchoStar 6 satellite. See Exhibit 1.</div>	
13. 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 <input checked="" type="radio"/> No <input type="radio"/>	
14. Name of Person Signing Jennifer A. Manner	15. Title of Person Signing Senior Vice President, Regulatory Affairs
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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## EXHIBIT 1

### DESCRIPTION OF PROPOSED SPECIAL TEMPORARY OPERATIONS (Response to STA Form, Question 8)

Pursuant to 47 C.F.R. § 25.120(b), EchoStar Operating L.L.C. (“EchoStar”) requests 30-day special temporary authority (“STA”), commencing on May 1, 2018, to operate earth stations, as specified in the table below, for telemetry, tracking, and control (“TT&C”) communications required to deorbit the EchoStar 6 satellite (Call Sign S2232).<sup>1</sup>

Call Sign	Antenna ID	Location	Uplink (MHz)	Downlink (MHz)
E070014	GFMA	Gilbert, AZ	17305	12203-12204
E070015	GFMA-Ku	Gilbert, AZ	14001-14002.5	12203-12204
E980047	1	Cheyenne, WY	14001-14002.5	12203-12204
E980005	1	Cheyenne, WY	17305	12203-12204
E070275	WAD1 & WAD3	Spokane, WA	17305	12203-12204
E020248	BH13	Blackhawk, SD	17305	12203-12204
E150098	1	Summerset, SD	17305	12203-12204

Grant of the requested STA (and any required STA renewal) will permit deorbiting of EchoStar 6, within a 60-day period, to a disposal orbit at a nominal altitude of approximately 386 km., consistent with end-of-life disposal requirements under Section 25.283 of the Commission’s rules.<sup>2</sup> Accordingly, grant of the requested STA will serve the public interest by facilitating retirement of the satellite to a disposal orbit in an orderly manner and consistent with Commission requirements.

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<sup>1</sup> EchoStar may operate additional earth stations in Gilbert, AZ (E020306), Quicksburg, VA (E070273), and Cheyenne, WY (E080120), which are already authorized for TT&C operations with EchoStar 6 at its assigned 96.2° W.L. orbital location. *See* IBFS File Nos. SES-MFS-20130307-00233 (granted Aug. 11, 2014); SES-MFS-20130307-00232 (granted Aug. 11, 2014); SES-MFS-20130307-00234 (granted Aug. 11, 2014).

<sup>2</sup> *See* 47 C.F.R. § 25.283.