

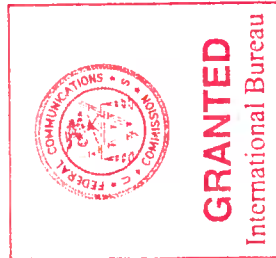
Approved by OMB
3060-0678

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
Mt. Jackson (E170094) STA Regarding EchoStar 23

1. Applicant

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



File # SES-STA-20190308-00311
Call Sign E170094 Grant Date 4-18-19
(or other identifier)
Term Dates
From: 4-18-19 To: 6-17-19
Approved: [Signature]

2. Contact			
Name:	Jennifer A. Manner	Phone Number:	301-428-5893
Company:	EchoStar Operating L.L.C.	Fax Number:	
Street:	11717 Exploration Lane	E-Mail:	jennifer.manner@echostar.com
City:	Germantown	State:	MD
Country:	USA	Zipcode:	80112 -
Attention:		Relationship:	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 SESMFS2019030800275 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 04/01/2019			
7. City Quicksburg		8. Latitude (dd mm ss.s h) 38 43 23.1 N	

9. State VA	10. Longitude (dd mm ss.s h) 78 39 57.8 W
11. Please supply any need attachments. Attachment 1: Exhibit I 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.) Seeking special temporary authority to operate earth station for TT&C and feeder link communications with the EchoStar 23 satellite during its relocation to, and operations at, 72.6 W.L. See Exhibit 1.	
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 ☒ No ☐	
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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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.

Applicant: EchoStar Operating L.L.C.
File No.: SES-STA-20190308-00311
Call Sign: E170094
Special Temporary Authority



File # SES-STA-20190308-00311
Call Sign E170094 Grant Date 4-18-19
(or other identifier)
Term Dates
From: 4-18-19 To: 6-17-19
Approved: [Signature]

EchoStar Operating L.L.C. ("EchoStar") is granted a special temporary authority for 60 days, starting April 18, 2019, to operate its earth station in Quicksburg, VA, to provide telemetry, tracking, and command ("TT&C") for the EchoStar 23 satellite during the satellite's drift from its current location at 44.9° W.L. to the 72.6° W.L. orbital location. Operations are limited to frequency bands 17.3-17.310, 17.791 GHz (Earth-to-space) and 12.20-12.21GHz (space-to-Earth) under the following conditions:

- 1 Operations will not exceed the operational power levels and parameters coordinated.
2. All operations under this grant of special temporary authority shall be on an unprotected and non-harmful interference basis. EchoStar 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. In the event of any harmful interference 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.
4. All operators of satellites will be provided with an emergency phone number where the licensee can be reached in the event that harmful interference occurs, Currently the 24x7 contact information for the EchoStar satellite is Ph.: (307) -633-5225. Ask for Silas Cole.
5. EchoStar Operating L.L.C. must apply for market access via an earth or space station license request. This authorization does grant authority for market access in the US.
6. Any action taken or expense incurred as a result of operations pursuant to this special temporary authority is solely at EchoStar's risk.
7. Grant of this authorization is without prejudice to any determination that the Commission may make regarding pending or future EchoStar's applications.

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.

EXHIBIT 1

DESCRIPTION OF PROPOSED STA OPERATIONS

Pursuant to Section 25.120(b)(3) of the Commission's rules,¹ EchoStar Operating L.L.C. (together with its affiliates, "EchoStar") requests special temporary authority ("STA") for 60 days, commencing on or approximately April 1, 2019, to operate an earth station in Quicksburg, VA (Call Sign E170094) for telemetry, tracking, and command ("TT&C") and feeder link communications with the EchoStar 23 satellite during its relocation to, and operations at, the 72.6° W.L. orbital location.²

Launched in March 2017, EchoStar 23 is a Brazilian-licensed Ku-band Broadcasting-Satellite Service ("BSS") satellite currently operating at 44.9° W.L. Despite initial plans to operate EchoStar 23 to provide direct-to-home ("DTH") television service to Brazil, EchoStar has determined that the satellite will be better utilized at the 72.6° W.L. orbital location, in conjunction with the Canadian-licensed Nimiq 5 satellite at 72.7° W.L., to support ongoing DTH service for DISH Network, L.L.C.'s ("DISH") satellite television network. Accordingly, the requested STA will allow EchoStar to move EchoStar 23, commencing on or approximately April 1, 2019, to 72.6° W.L. to provide service to DISH subscribers in the United States and Canada.³

¹ See 47 C.F.R. § 25.120(b)(3).

² EchoStar is concurrently filing a modification application to add EchoStar 23 at the 72.6° W.L. orbital location as a point of communications for TT&C and feeder link communications. EchoStar also has pending STA and modification applications to operate four additional earth stations in Cheyenne, WY, Blackhawk/Summerset, SD, and Gilbert, AZ (Call Signs E980005, E020248, E150098, and E070014) for TT&C and feeder link communications with EchoStar 23. See EchoStar, Applications for STA, IBFS File Nos. SES-STA-20190214-00097 *et seq.* (Feb. 14, 2019); EchoStar, Applications for Modification, IBFS File Nos. SES-MFS-20190214-00088 *et seq.* (Feb. 14, 2019).

³ A modification application will be filed shortly for blanket licensing authority to operate receive-only U.S. earth stations for reception of service from the EchoStar 23 satellite at 72.6° W.L.

For TT&C and feeder link communications with EchoStar 23, the subject earth station will operate on the following frequencies, consistent with the frequency bands and other technical parameters specified under its existing license:

- 17.300 – 17.310 GHz and 17.791 GHz for TT&C uplinks;
- 12.200 – 12.210 GHz for TT&C downlinks; and
- 17.300 – 17.800 GHz for feeder uplinks.

The subject earth station has been frequency coordinated over a geostationary satellite arc that includes the 72.6° W.L. orbital location. Thus, the proposed STA operations will not cause harmful interference to other authorized operations.⁴ Nonetheless, in the unlikely event of harmful interference, EchoStar is prepared to take appropriate measures to eliminate such interference, including immediately discontinuing operations upon receiving notice of such interference.

Grant of the requested STA will serve the public interest by allowing EchoStar the flexibility to manage its satellite fleet efficiently, provide for more productive use of its satellites, and further ensure full use of spectrum and uninterrupted service from the nominal 72.6° W.L. orbital location. Indeed, the Commission has a longstanding policy of leaving fleet management decisions to satellite operators because doing so generally serves the public interest.⁵

⁴ Additionally, the proposed STA operations are substantially consistent with Section 25.118(a)(3) of the Commission's rules, allowing earth station operators to change a satellite point of communication without prior authorization under certain circumstances when an earth station antenna is not repointed beyond the coordinated range. *See* 47 C.F.R. § 25.118(a)(3).

⁵ *See SES Americom, Inc.*, Order and Authorization, 21 FCC Rcd. 3430, 3433 ¶ 8 (2006) (FCC "generally has allowed satellite operators to rearrange satellites in their fleet to reflect business and customer considerations where no public interest factors are adversely affected"); *AMSC Subsidiary Corporation*, Order and Authorization, 13 FCC Rcd 12316, 12318 ¶ 8 (IB 1998) (finding that that a satellite licensee "is in a better position to determine how to tailor its system to meet the particular needs of its customers").