

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:
E980005 - Dec19 30 Day STA Renewal

1. Applicant

Name:	EchoStar BSS Corporation	Phone Number:	202-463-3709
DBA Name:		Fax Number:	
Street:	1110 Vermont Ave NW Suite 750	E-Mail:	Alison.Minea@dish.com
City:	Washington	State:	DC
Country:	USA	Zipcode:	20005
Attention:	Alison Minea		



CRANTED
FEDERAL COMMUNICATIONS COMMISSION

File # SES-STA-20190711-00918
E980005 Grant Date 12-19-19
Call Sign (or other identifier)
Term Dates
From: 12-19-19 To: 2-17-20
Approved: [Signature]

2. Contact	
Name: EchoStar BSS Corporation Company: Street: 1110 Vermont Ave NW Suite 750 City: Washington Country: USA Attention:	Phone Number: 202-463-3709 Fax Number: E-Mail: Alison.Minea@dish.com State: DC Zipcode: 20005 Relationship:
(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 SESSTA201911201486 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 12/15/2019	
7. City Cheyenne	
8. Latitude (dd mm ss.s h) 41 7 56.4 N	

9. State WY	10. Longitude (dd mm ss.s h) 104 44 10.4 W
11. Please supply any need attachments. Attachment 1: Exhibit 1	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 renewal of 30&#8722;day special temporary authority to operate earth station for TT&C communications with the EchoStar 23 satellite for interim operations at 67.9 W.L. prior to its planned relocation 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 Alison Minea	15. Title of Person Signing Director & Senior Counsel, 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).	

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-PERM, 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.

Applicant: EchoStar BSS Corporation
File No.: SES-STA-20190711-00918
Call Sign: E980005
Special Temporary Authority



File # SES-STA-20190711-00918
Call Sign E980005 Grant Date 12-19-19
(or other identifier)
Term Dates
From: 12-19-19 To: 2-17-20
Approved: Paul E. [Signature]

EchoStar BSS Corporation is granted a special temporary authority for 60 days, starting December 19, 2019, to operate its earth station in Cheyenne, WY, 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 BSS Corporation 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 BSS Corporation 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 BSS Corporation satellite is Ph.: (307) -633-5225. Ask for Silas Cole.
5. EchoStar BSS Corporation 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 BSS Corporation's risk.
7. Grant of this authorization is without prejudice to any determination that the Commission may make regarding pending or future EchoStar BSS Corporation applications.
8. EchoStar BSS Corporation's operations during the period August 18, 2019 to the date of this grant were authorized pursuant to Section 1.62 of the Commission's rules 47 C.F.R. § 1.62.

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
REQUEST FOR RENEWAL OF SPECIAL TEMPORARY AUTHORIZATION

Pursuant to Section 25.120(b)(4) of the Commission's rules,¹ EchoStar BSS Corporation (together with its affiliates, "DISH")² requests renewal of its special temporary authorizations ("STAs") for an additional 30 days, until January 15, 2020, to operate five earth stations in Gilbert, AZ; Blackhawk, SD; Quicksburg, VA; Cheyenne, WY; and Summerset, SD (Call Signs E070014, E020248, E170094, E980005, and E150098) for telemetry, tracking, and command ("TT&C") communications to support the EchoStar 23 satellite's brief interim operations at 67.9° W.L. prior to its planned relocation and operations at the 72.6° W.L. orbital location.³

Launched in March 2017, EchoStar 23 is a Ku-band Broadcasting-Satellite Service ("BSS") satellite initially authorized to operate at 44.9° W.L. Despite initial plans to operate EchoStar 23 to provide direct-to-home ("DTH") television service to Brazil, DISH 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

¹ See 47 C.F.R. § 25.120(b)(4).

² On September 10, 2019, EchoStar BSS Corporation became the licensee for the authorizations contained in this application following a series of transactions assigning and transferring control over the licenses. See Letter from Pantelis Michalopoulos and Christopher Bjornson, Counsel to DISH Network Corporation, to Marlene Dortch, FCC, SES-T/C-20190611-00734, SES-ASG-20190607-00733, SAT-ASG-20190607-00044 (Sept. 12, 2019).

³ See EchoStar, Applications for STA, File Nos. SES-STA-20190711-00919 (Call Sign E070014), SES-STA-20190711-00920 (Call Sign E020248), SES-STA-20190711-00916 (Call Sign E170094), SES-STA-20190812-01094 (Call Sign E150098). All five earth stations are operating under Section 1.62 pending renewal of their STAs: File Nos. SES-STA-20191112-01483 (Call Sign E070014), SES-STA-20191112-01482 (Call Sign E020248), SES-STA-20191112-01485 (Call Sign E170094), SES-STA-20191112-01484 (Call Sign E150098), SES-STA-20191112-01486 (Call Sign E980005). See 47 C.F.R. § 1.62(a)(1). These STAs were originally granted under the following file numbers: File Nos. SES-STA-20190607-00738 (Call Sign E070014); SES-STA-20190607-00739 (Call Sign E020248); SES-STA-20190607-00740 (Call Sign E170094); SES-STA-20190607-00742 (Call Sign E150098); SES-STA-20190607-00741 (Call Sign E980005).

service for its satellite television network. Accordingly, on July 2, 2019, EchoStar 23 began its move from 44.9° W.L. to 72.6° W.L.⁴ for service to DISH subscribers in the United States and Canada.⁵

Prior to completing the relocation of EchoStar 23 to 72.6° W.L., DISH seeks to operate the satellite at the 67.9° W.L. orbital location for a brief interim period until it obtains authorization from the Canadian Administration to operate at the 72.6° W.L. orbital location.⁶ Accordingly, the requested STA will allow DISH to operate EchoStar 23 at 67.9° W.L. for a brief interim period until Canadian authorization may be secured for operations at 72.6° W.L. DISH has no plans to bring into use any International Telecommunication Union filings at or near the 67.9° W. L. orbital location.

For TT&C communications with EchoStar 23 at 67.9° W.L., the subject earth stations will operate on the following frequencies, consistent with the frequency bands and other technical parameters specified under their existing licenses:

- 17.300 – 17.310 GHz and 17.791 GHz for TT&C uplinks; and

⁴ DISH holds additional 60-day STAs to operate the same five earth stations (Call Signs E150098, E170094, E070014, E980005, and E020248) for TT&C communications with the EchoStar 23 satellite during its drift from 44.9° W.L. to 72.6° W.L. *See Satellite Communications Services Information re: Actions Taken*, Public Notice, FCC Report No. SES-02173, at 43-44 (June 19, 2019); *see also*, e.g., EchoStar, Application for STA, File No. SES-STA-20190812-01099. DISH has filed for renewal of those STAs that are currently pending. *See*, e.g., File No. SES-STA-20191009-01333. DISH also has pending modification applications to operate these earth stations for TT&C and feeder link communications with EchoStar 23 during its relocation and operations at 72.6° W.L. *See* EchoStar, Applications for Modification, File Nos. SES-MFS-20190308-00275 & SES-MFS-20190214-00088 *et seq.* (Mar. 8 & Feb. 14, 2019).

⁵ A modification application 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. is currently pending. *See* DISH, Application for Modification, File No. SES-MFS-20190507-00566 (May 7, 2019).

⁶ DISH is aware that SES-10 operates at the 66.9° W.L. orbital location and is working with SES to ensure that its TT&C operations do not interfere with SES-10.

- 12.200 – 12.210 GHz for TT&C downlinks.

These earth stations have been frequency coordinated over a geostationary satellite arc that includes the 67.9° W.L. orbital location. Thus, the proposed STA operations will not cause harmful interference to other authorized operations.⁷ Nonetheless, in the unlikely event of harmful interference, DISH is prepared to take appropriate measures to eliminate such interference, including immediately discontinuing the interfering operations upon receiving notice of such interference.

Grant of the requested STA will serve the public interest by allowing DISH 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 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.⁸

⁷ 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).

⁸ *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 (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").