

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
Renewal of 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 | | |

30 days "with conditions"

File # SES-STA-20180521-00711

Call Sign E020248 Grant Date 05/31/2018
(or other identifier)

Term Dates
From: 06/01/2018 To: 06/30/2018

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: | 20876 |
| 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 SESSTA2018041800370 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. City Blackhawk | 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 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.) <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">Seeking renewal of 30-day special temporary authority to operate certain earth stations for TT&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"; party to the application; for these purposes. <p style="text-align: right;">Yes <input checked="" type="radio"/> No <input type="radio"/></p> | |
| 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.

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 a 30-day renewal of its special temporary authority (“STA”), expiring on May 31, 2018, to operate earth stations, as specified in the table below, for telemetry, tracking, and control (“TT&C”) operations required to deorbit the EchoStar 6 satellite (Call Sign S2232).¹

| 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 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.²

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.

¹ EchoStar may operate additional earth stations in Gilbert, AZ (E020306), Quicksburg, VA (E070273), and Cheyenne, WY (E080120), which are already authorized for TT&C communications 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).

² See 47 C.F.R. § 25.283.

Applicant: EchoStar Operating L.L.C.
Call Sign: E020248
File No.: SES-STA-20180521-00711
Special Temporary Authority (STA)

EchoStar Operating L.L.C. is granted a 30-day STA beginning June 01, 2018 to operate its earth station 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 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.



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