

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
Gilbert (E070014) Emergency STA to move EchoStar 18

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-20171208-01321
2017014 Grant Date 12-14-17
Call Sign (or other identifier) 12-14-17 Term Dates 1-13-18
From: 12-14-17 To: 1-13-18
Approved: Jennifer Manner



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Approved: [Signature]

EchoStar Operating L.L.C. is granted special temporary authority (STA) for ~~30~~ days, beginning December 14, 2017, to operate its Gilbert, AZ earth station with the EchoStar 18 satellite (S2931) at the 109.9° W.L. orbital location to provide telemetry, tracking, and control ("TT&C") and feeder link communications during EchoStar 18's temporary relocation and operations at 109.9° W.L. orbital location. Feederlink operations are authorized in the 12.2-12.7 GHz (space-to-Earth) and 17.3-17.8 GHz (Earth-to-space) frequency bands. Telemetry, tracking, and command (TT&C) are authorized on the following center frequencies: 17.7935 GHz, 17.303 GHz, and 17.790-17.800 GHz (Earth-to-space); 12.203 GHz, 12.204 GHz, 12.6965 GHz, 12.6975 GHz, 12.685-12.700 GHz (space-to-Earth). All operations are subject to the following conditions:

1. All operations under this grant of STA shall be on an unprotected and noninterference basis. DISH must not cause harmful interference to, and must not claim protection from interference caused to it by, any other lawfully operating stations.
2. 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 Echostar 18 (S2931) mission is as follows: Ph.: (307) 773-0060 , (408) 503-9660 and E-mail: SpacecraftOperations@echostar.com or Sandor Nemethy @ (303)-728-5277 Email: Sandor.Nemethy@echostar.com
3. In the event of any harmful interference as a result of operations under this grant of STA, DISH shall cease operations immediately upon notification of such interference and shall immediately inform the Commission, in writing, of such an event.
4. The operations of EchoStar 18 (S2931) and associated earth stations must comport with the applicable uplink and downlink limits in 47 CFR §25.140(a)(3) of the Commission's rules, unless DISH coordinates any non-conforming operations with the operations of U.S.-licensed geostationary orbit space stations within 6 degrees of the 109.9° W.L. orbital location. DISH must also comport with the maximum power limits indicated in existing or future coordination agreements at 109.9° W.L. Non-conforming operations must also be coordinated with respect to those operations of non-U.S.-licensed space stations within 6 degrees of 109.9° W.L. involving approved communications with U.S.-licensed earth stations.
5. Any action taken or expense incurred as a result of operations pursuant to this STA is solely DISH's.
6. Grant of this authorization is without prejudice to any determination that the Commission may make regarding pending or future applications.
7. All operations must be within the relevant requested operational parameters in IBFS File No. SAT-STA-20171208-00169.

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.

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 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 Gilbert	8. Latitude (dd mm ss.s h) 33 22 0.8 N
9. State AZ	10. Longitude (dd mm ss.s h) 111 48 54.7 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;">Seeking 30-day special temporary authority to operate certain earth stations for TT&C and feeder link communications during the temporary relocation and operations of EchoStar 18 at 109.9 W.L. 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. 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

REQUEST FOR SPECIAL TEMPORARY AUTHORITY

Pursuant to Section 25.120(b)(4) of the Commission's rules,¹ DISH Operating L.L.C. ("DISH"), EchoStar Broadcasting Holding Corporation, and EchoStar Operating L.L.C. (collectively, the "Applicants") request 30-day special temporary authority ("STA") to: (i) move and operate the EchoStar 18 satellite (Call Sign S2931) at 109.9° W.L. to provide emergency backup capacity for the EchoStar 10 satellite (Call Sign S2694); and (ii) operate certain earth stations in Blackhawk, South Dakota (Call Sign E020248), Cheyenne, Wyoming (Call Signs E080120, E980005, E980047 and E980081), Gilbert, Arizona (Call Signs E060003, E070014, E070015, and E010242), and Summerset, South Dakota (Call Sign E150098) for telemetry, tracking, and control ("TT&C") and feeder link communications during EchoStar 18's temporary relocation and operations at 109.9° W.L.

Specifically, EchoStar 18 and the associated earth stations will operate on the following frequencies for TT&C (during temporary relocation and operations at 109.9° W.L.) and feeder link communications (during temporary operations at 109.9° W.L.):

EchoStar 18	
Satellite Receive (GHz)	TT&C: 17.7935, 17.303, 17.790-17.800 GHz & 17.7935 Feeder links: 17.300-17.800
Satellite Transmit (GHz)	TT&C: 12.203, 12.204, 12.6965, 12.6975, 12.685-12.700 & 12.6975 Feeder links: 12.200-12.700

¹ See 47 C.F.R. § 25.120(b)(4).

The requested STA operations will allow DISH to minimize any service disruptions resulting from an unexpected power stability issue with EchoStar 10. Launched in February 2006, EchoStar 10 has operated at 110.2° W.L. to provide DISH subscribers with additional and improved programming and services, including local-into-local services and High Definition programming.² EchoStar 10 has suffered an unexpected power stability issue. Accordingly, the Applicants have determined that EchoStar 18 should be made available for use at 109.9° W.L. to provide emergency backup capacity while efforts are underway to restore EchoStar 10 to normal operations. EchoStar 18 initially was licensed to operate at 109.9° W.L. as an in-orbit spare for EchoStar 10,³ but currently is licensed as an in-orbit spare at 61.35° W.L.⁴

Grant of the requested STA will serve the public interest by allowing EchoStar 18, an in-orbit spare, to be put to more productive use and by ensuring continuity of satellite television services for the benefit of U.S. consumers. The requested STA grant also is consistent with the Commission's prior authorization of EchoStar 18 as an in-orbit spare at 109.9° W.L.

² See DISH, Application for Modification, IBFS File No. SAT-MOD-20160311-00027, Exh. 1 (Narrative) at 1 (granted May 18, 2016).

³ See DISH, Application for Operating Authority, IBFS File No. SAT-LOA-20141002-00105 (granted Mar. 12, 2015).

⁴ See DISH, Application for Modification, IBFS File No. SAT-MOD-20160722-00067 (granted Sept. 8, 2016).