

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
Renewal of E150098 STA for EchoStar 18

1. Applicant

Name: EchoStar Broadcasting Corporation **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 A Manner



File # SES-STA-20160627-00620
E150098
Call Sign (or other identifier)
Grant Date 7-1-16
Term Dates
From: 7-8-16 To: 9-6-16
Approved: Paul E. Allen

Applicant: EchoStar Broadcasting Corporation
Call Sign: E150098
File No.: SES-STA-20160627-00620
Special Temporary Authority (STA)

EchoStar Broadcasting Corporation (EchoStar) is granted renewal of SES-STA-20160601-00470 Special Temporary Authority, beginning July 08, 2016 for 60 days to operate its Summerset, SD, earth station to: (1) conduct in-orbit testing ("IOT") of the EchoStar 18 satellite (S2931) at the 67.2° W.L. orbital location in the 12.2-12.7 GHz (space-to-Earth) and 17.3-17.8 GHz (Earth-to-space) frequency bands; (2) conduct telemetry, tracking, and command (TT&C) operations on the 12.695 GHz, 12.696 GHz, 12.203 GHz, and 12.204 GHz (space-to-Earth) and 17.303 GHz (Earth-to-space) center frequencies; and (3) other command operations in the 17.791-17.796 GHz (Earth-to-space) frequency band. Operations under this authorization must be in accordance with the terms, conditions, and technical specifications set forth in the EchoStar 18 satellite (S2931) authorization and the Federal Communications Commission's rules, and are subject to the following conditions:

1. Grant of this STA is without prejudice to any determination that the Commission may make regarding pending or future EchoStar applications
2. All operations under this grant of STA shall be on an unprotected and non-harmful interference basis. EchoStar E150098 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 as a result of operations under this grant of STA, EchoStar shall cease operations immediately upon notification of such interference and shall immediately inform the Commission, in writing, of such an event
4. Any action taken or expense incurred as a result of operations pursuant to this STA is solely at Intelsat License LLC's risk.

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.



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E150098
Call Sign E150098 Grant Date 7-1-16
(or other identifier)
Term Dates
From: 7-8-16 To: 9-6-16
Approved: Paul E. Hacco

2. Contact

Name: Alexander Gerdenitsch **Phone Number:** 301-428-1654
Company: EchoStar Broadcasting Corporation **Fax Number:**
Street: 11717 Exploration Lane **E-Mail:**
City: Germantown **State:** MD
Country: USA **Zipcode:** 20876
Attention: **Relationship:** Engineer

(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 SESSTA2016060100470 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

7. CitySummerset	8. Latitude (dd mm ss.s h) 41 11 14.2 N
9. State SD	10. Longitude (dd mm ss.s h) 103 20 7.5 W
11. Please supply any need attachments. Attachment 1: Narrative 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 an STA for in-orbit testing and TT&C of EchoStar 18 at 67.2 WL	
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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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

REQUEST FOR SPECIAL TEMPORARY AUTHORITY

Pursuant to Section 25.120(b)(3) of the Commission's rules,¹ DISH Operating L.L.C. (together with its affiliates, "DISH") and EchoStar Broadcasting Corporation (together with its affiliates, "EchoStar") request to renew their special temporary authorizations ("STAs") for an additional 60 days until September 6, 2016, to (i) conduct in-orbit testing ("IOT") of the EchoStar 18 satellite (Call Sign S2931) at the 67.2° W.L. orbital location using the satellite's assigned DBS frequencies; and (ii) operate four earth stations in Summerset, SD (Call Sign E150098), Cheyenne, WY (Call Sign E980005), and Gilbert, AZ (Call Signs E060003 & E070014) for in-orbit testing and telemetry, tracking, and command ("TT&C") operations while the satellite is at 67.2° W.L.²

Grant of the requested STA renewals will allow DISH and EchoStar to continue conducting IOT and TT&C operations (including related earth station communications) of EchoStar 18 while the satellite remains temporarily at 67.2° W.L., prior to moving to its proposed assigned orbital location at 61.35° W.L.,³ in accordance with the following schedule:

- (1) EchoStar 18 was launched successfully on June 18, 2016.
- (2) After launch and orbit-raising maneuvers, EchoStar 18 will be located at 67.2° W.L., where IOT will commence for approximately 60 days.

¹ See 47 C.F.R. § 25.120(b)(3).

² See DISH, IBFS File No. SAT-STA-20160504-00044 (granted June 8, 2016); EchoStar, IBFS File No. SES-STA-20160202-00110 (granted June 8, 2016); EchoStar, IBFS File No. SES-STA-20160601-00469 (granted June 8, 2016); EchoStar, IBFS File No. SES-STA-20160601-00470 (granted June 8, 2016); EchoStar, IBFS File No. SES-STA-20160512-00432 (granted June 8, 2016).

³ DISH very shortly will file a modification application to change EchoStar 18's assigned orbital location to 61.35° W.L.

- (3) After completion of IOT, EchoStar 18 will be moved to its proposed assigned orbital location at 61.35° W.L.

The requested testing will not cause harmful interference to other authorized co-frequency broadcasting satellite service ("BSS") operations. The nearest co-frequency satellites are EchoStar 12, EchoStar 15, and EchoStar 16 at the 61.5° W.L. orbital cluster and Nimiq 5 at 72.7° W.L., all of which are being utilized by EchoStar for the provision of BSS/DBS. The IOT test plan procedures will be such that no interference will be generated into the adjacent EchoStar services. In the unlikely event of harmful interference, DISH and EchoStar are prepared to take appropriate measures to eliminate the interference, including immediately terminating IOT upon receiving notice of such interference.

Grant of the requested STA renewals will serve the public interest by allowing DISH and EchoStar to conduct IOT operations required to ensure that the EchoStar 18 satellite is fully operational and capable of providing service to millions of DISH subscribers.