

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:  
Renewal of E060003 STA for EchoStar 18

1. Applicant

<b>Name:</b>	EchoStar Broadcasting Corporation	<b>Phone Number:</b>	301-428-5893
<b>DBA Name:</b>		<b>Fax Number:</b>	
<b>Street:</b>	100 Inverness Terrace East	<b>E-Mail:</b>	
<b>City:</b>	Englewood	<b>State:</b>	CO
<b>Country:</b>	USA	<b>Zipcode:</b>	80112
<b>Attention:</b>	Jennifer A Manner		



File # SES-STA20160627-00617  
E060003  
Call Sign E060003 Grant Date 7-1-16  
(or other identifier)  
Term-Dates From: 7-8-16 To: 9-6-16  
Approved: [Signature]

Applicant: EchoStar Broadcasting Corporation  
Call Sign: E060003  
File No.: SES-STA-20160627-00617  
Special Temporary Authority (STA)

EchoStar Broadcasting Corporation (EchoStar) is granted renewal of SES-STA-20160601-00469 Special Temporary Authority, beginning July 08, 2016 for 60 days to operate its Gilbert, AZ 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 E060003 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.



File # SES-STA-20160627-00617  
Call Sign E060003 Grant Date 7-1-16  
(or other identifier)  
Term Dates  
From: 7-8-16 To: 9-6-16  
Approved: Paul E. Allen

**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 SESSTA2016060100469 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

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## EXHIBIT 1

### REQUEST FOR SPECIAL TEMPORARY AUTHORITY

Pursuant to Section 25.120(b)(3) of the Commission's rules,<sup>1</sup> 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.<sup>2</sup>

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.,<sup>3</sup> 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.

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<sup>1</sup> See 47 C.F.R. § 25.120(b)(3).

<sup>2</sup> 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).

<sup>3</sup> 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.