

S2931 SAT-STA-20160627-00062 IB2016001485
DISH Operating L.L.C.
EchoStar 18



File # SAT-STA-20160627-00062

Call Sign S2931 Grant Date 07/07/16
(or other identifier)

Term Dates period of
From 07/08/16 To: 30 days

Approved by OMB
3060-0678

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File Number: SAT-STA-20160627-00062
Callsign:

Approved: Stephen J. Duall
Stephen J. Duall
Chief, Satellite Policy Branch

FEDERAL COMMUNICATIONS COMMISSION
APPLICATION FOR SPACE STATION SPECIAL TEMPORARY AUTHORITY

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APPLICANT INFORMATION

Enter a description of this application to identify it on the main menu:
Renewal of EchoStar 18 IOT STA at 67.2 WL

1. Applicant

Name:	DISH Operating L.L.C.	Phone Number:	202-463-3709
DBA Name:		Fax Number:	
Street:	100 Inverness Terrace East	E-Mail:	
City:	Englewood	State:	CO
Country:	USA	Zipcode:	80112 -
Attention:	Alison Minea		

ATTACHMENT TO GRANT
DISH Operating L.L.C.
IBFS File No. SAT-STA-20160627-00062

IBFS File No(s):	SAT-STA-20160627-00062	<p>GRANTED – With Conditions</p>  <p>International Bureau Satellite Division</p>
Licensee/Grantee:	DISH Operating LLC	
Call Sign:	S2931	
Satellite Name:	EchoStar 18	
Orbital Location: (required station-keeping tolerance)	67.2° W.L. (+/- 0.05 degrees east/west)	
Administration:	United States of America	
Nature of Service:	In-Orbit Testing	
Scope of Grant:	Special Temporary Authority for a period of 30 days for its EchoStar 18 satellite, located at the 67.2° W.L. orbital location, to continue to conduct in-orbit testing (IOT) and to continue to conduct telemetry, tracking, and command (TT&C) operations necessary to maintain EchoStar 18 at 67.2° W.L. Upon completion of IOT, DISH is authorized to drift EchoStar 18 from the 67.2° W.L. orbital location to the assigned 61.35° W.L. orbital location.	
Service Area(s):	N/A	
Frequencies:	<p>12.2-12.7 GHz (space-to-Earth) 17.3-17.8 GHz (Earth-to-space)</p> <p>12.695 GHz, 12.696 GHz, 12.203 GHz, and 12.204 GHz (space-to-Earth) 17.303 GHz (Earth-to-space).</p> <p>DISH may also conduct command operations in the 17.791-17.796 GHz (Earth-to-space) frequency band.</p>	
<p>Operations under this grant must comport with the legal and technical specifications set forth by the applicant or petitioner and with Federal Communication Commission’s rules not waived herein. This grant is also subject to the following conditions:</p> <ol style="list-style-type: none"> 1. All operations during this grant of special temporary authority must be on an unprotected and non-harmful interference basis, <i>i.e.</i>, DISH must not cause harmful interference to, and must not claim protection from interference caused to it by, any other lawfully operating stations. In the event of harmful interference as a result of operations under this grant, DISH must cease operations immediately upon notification of such interference, and shall inform the Commission, in writing, immediately of such an event. 2. DISH must coordinate operations of EchoStar 18 with existing geostationary space stations to ensure that no unacceptable interference results from its operations at the 67.2° W.L. orbital location or during its drift to the 61.35° W.L. orbital location. 3. EchoStar 18’s operations at 67.2° W.L. must be limited to IOT and TT&C and must not include the provision of commercial services. 4. DISH must operate only the TT&C frequencies authorized for EchoStar 18 during the space station’s drift from the 67.2° W.L. orbital location to the 61.35° W.L. orbital location. 5. During IOT, DISH must maintain the EchoStar 18 space station with an east/west longitudinal station-keeping tolerance of +/- 0.05 degrees of the 67.2° W.L. orbital location. 		

ATTACHMENT TO GRANT
DISH Operating L.L.C.
IBFS File No. SAT-STA-20160627-00062


Licensee/grantee is afforded thirty (30) days from the date of release of this action to decline the grant as conditioned. Failure to respond within this period will constitute formal acceptance of the grant as conditioned.

This action is taken pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. § 0.261, and is effective upon release.

Station licenses are subject to the conditions specified in Section 309(h) of the Communications Act of 1934, as amended, 47 U.S.C. § 309(h).

Action Date:	July 7, 2016	
Term Dates	From: July 8, 2016	To: period of 30 days

Approved:


Stephen J. Duall
Chief, Satellite Policy Branch

2. Contact

Name:	Alison Minea	Phone Number:	202-293-0981
Company:	DISH Operating L.L.C.	Fax Number:	
Street:	100 Inverness Terrace East	E-Mail:	
City:	Englewood	State:	CO
Country:	USA	Zipcode:	80112 -
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 SATSTA2016050400044 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 CRY - Space Station (Geostationary)

5. Type Request

- Change Station Location Extend Expiration Date Other

6. Temporary Orbit Location
67.2 WL

7. Requested Extended Expiration Date

8. 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 of EchoStar 18 at 67.2 WL.

9. 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

10. Name of Person Signing
Alison Minea

11. Title of Person Signing
Director & Senior Counsel, Regulatory Affairs

12. Please supply any need attachments.

Attachment 1: Narrative

Attachment 2:

Attachment 3:

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 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.

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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.