

S2931 SAT-STA-20160202-00010 IB2016000345
DISH Operating L.L.C.
EchoStar 18



File # SAT-STA-20160202-00010
Call Sign S2931 Grant Date 03/30/16
(or other identifier)
From see conditions Term Dates period of 60 days
To: 60 days
Approved: Stephen J. Duall
Stephen J. Duall
Chief, Satellite Policy Branch

Approved by OMB
3060-0678

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Callsign:

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:
EchoStar 18 IOT STA

1. Applicant

Name:	DISH Operating L.L.C.	Phone Number:	202-293-0981
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 LLC
IBFS File Nos. SAT-STA-20160202-00010**

IBFS File No(s):	SAT-STA-20160202-00010	<p>GRANTED – With Conditions</p>  <p>International Bureau Satellite Division</p>
Licensee/Grantee:	DISH Operating LLC (DISH)	
Call Sign:	S2931	
Satellite Name:	EchoStar 18	
Orbital Location: (required station-keeping tolerance)	137.75° W.L. (+/- 0.05 degrees)	
Administration:	United States of America	
Nature of Service:	In-Orbit Testing	
Scope of Grant:	Special Temporary Authority for a period of 60 days, commencing upon the arrival of the EchoStar 18 satellite at the 137.75° W.L. orbital location, to conduct in-orbit testing (IOT) and to conduct telemetry, tracking, and command (TT&C) operations necessary to maintain EchoStar 18 at 137.75° W.L. and to drift EchoStar 18 from the 137.75° W.L. orbital location to the assigned 109.9° W.L. orbital location	
Service Area(s):	N/A	
Frequencies:	12.2-12.7 GHz (space-to-Earth) 17.3-17.8 GHz (Earth-to-space)	

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:

1. All operations under this grant of special temporary authority must be on an unprotected and non-harmful interference basis. DISH must not cause harmful interference to, and must not claim protection from interference caused to it by, any other lawfully operating radio communication system. In the event of any harmful interference as a result of operations under this grant of special temporary authority, DISH must cease operations immediately upon notification of such interference and must immediately inform the Commission, in writing, 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 137.75° W.L. orbital location or during drift to the 109.9° W.L. orbital location.
3. EchoStar 18's operations at 137.75° 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 137.75° W.L. orbital location to the 109.9° W.L.
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 137.75° W.L. orbital location.
6. DISH must notify the Chief of the Satellite Division, in writing, of the arrival of the EchoStar 18 satellite at the 137.75° W.L. orbital location and the start of the STA period, within three business days of such arrival.

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.


ATTACHMENT TO GRANT
DISH Operating LLC
IBFS File Nos. SAT-STA-20160202-00010

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:	03/30/16	
Term Dates	From: see conditions	To: period of 60 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 SATLOA2014100200105 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
137.75 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 STA for in-orbit testing of EchoStar 18 at 137.75 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 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. and EchoStar Broadcasting Corporation (together with their affiliates, "DISH") request special temporary authority ("STA") for 60 days to (i) conduct in-orbit testing ("IOT") of the EchoStar 18 satellite (Call Sign S2931) at the 137.75° W.L. orbital location using the satellite's assigned DBS frequencies; and (ii) operate an earth station in Gilbert, Arizona (Call Sign E070014) for in-orbit testing and telemetry, tracking, and command operations while the satellite is at 137.75° W.L. DISH further requests that the STA commence upon EchoStar 18's arrival at 137.75° W.L. in order to accommodate the timing uncertainties ordinarily associated with launching and positioning a satellite in a specific orbit.

DISH seeks to conduct IOT prior to moving the satellite to its assigned nominal orbital location at 110° W.L.² Specifically, DISH anticipates the following schedule:

- (1) EchoStar 18 is scheduled for launch in May 2016.
- (2) After launch and orbit-raising maneuvers, EchoStar 18 will be located at 137.75° W.L., and IOT will commence for approximately 60 days.
- (3) After completion of IOT, EchoStar 18 will be moved to its assigned nominal orbital location at 110° W.L.

The requested testing will not cause harmful interference to other authorized co-frequency DBS operations because the nearest satellite is 8.75° away,³ which provides adequate isolation and protection to their services. In the unlikely event of harmful interference, DISH is

¹ See 47 C.F.R. § 25.120(b)(3).

² See DISH, Stamp Grant, IBFS File No. SAT-LOA-20141002-00105 (Mar. 12, 2015).

³ Ciel-2, located at 129° W.L., is a Canadian-licensed satellite leased by DISH.

prepared to take appropriate measures to eliminate the interference, including immediately terminating IOT upon receiving notice of such interference.

Grant of the requested STA will serve the public interest by allowing DISH 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 from its assigned orbital location.