


S2694 SAT-STA-20171208-00169 IB2017003388
DISH Operating L.L.C.
EchoStar 18

 GRANTED* International Bureau *with conditions	File # <u>SAT-STA-20171208-00169</u>
	Call Sign <u>S2931</u> Grant Date <u>12/13/17</u> (or other identifier)
	Term Dates period of From <u>12/13/17</u> To: <u>30 days</u>
	Approved: <u>Stephen J. Duall</u> Stephen J. Duall Chief, Satellite Policy Branch

Approved by OMB
3060-0678

Date & Time Filed: Dec 8 2017 6:02:29:903PM
File Number: SAT-STA-20171208-00169
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:
Emergency STA to Relocate EchoStar 18

1. Applicant			
Name:	DISH Operating L.L.C.	Phone Number:	202-463-3709
DBA Name:		Fax Number:	
Street:	1110 Vermont Ave NW Suite 750	E-Mail:	Alison.Minea@dish.com
City:	Washington	State:	DC
Country:	USA	Zipcode:	20005 -
Attention:	Alison Minea		

**ATTACHMENT TO GRANT
IBFS File No. SAT-STA-20171208-00169**

IBFS File No(s):	SAT-STA-20171208-00169	<p align="center">GRANTED – With Conditions</p>  <p align="center">International Bureau Satellite Division</p>
Licensee/Grantee:	DISH Operating L.L.C. (DISH)	
Call Sign:	S2931	
Satellite Name:	EchoStar 18	
Orbital Location: (required station-keeping tolerance)	109.9° W.L. (+/- 0.05 degrees east/west)	
Administration:	United States of America	
Nature of Service:	Direct Broadcast Service	
Scope of Grant:	Special temporary authority for a period of 30 days to conduct telemetry, tracking and command operations necessary to drift the EchoStar 18 space station from the 61.35° W.L. orbital location to the 109.9° W.L. orbital location and to operate EchoStar 18 at the 109.9° W.L. orbital location.	
Service Area(s):	United States, Alaska, Hawaii, Puerto Rico	
Frequencies:	12.2-12.7 GHz (space-to-Earth) and 17.3-17.8 GHz (Earth-to-space) Telemetry, tracking, and command (TT&C): 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)	
<p>Operations under this grant must comport with the legal and technical specifications set forth by the applicant or petitioner and with the 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 EchoStar 18’s drift to the 109.9° W.L. orbital location 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. 2. In the event of harmful interference during EchoStar 18’s drift to the 109.9° W.L. orbital location, DISH shall cease operations immediately upon notification of such interference, and shall inform the Commission, in writing, immediately of such an event. 3. During the drift to the 109.9° W.L. orbital location DISH must operate only the TT&C frequencies authorized for EchoStar 18. 4. DISH must maintain the EchoStar 18 space station at the 109.9° W.L. orbital location with an east/west longitudinal station-keeping tolerance of ± 0.05 degrees. 5. Actions taken under this grant of special temporary authority are at DISH’s own risk. 		
<p>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.</p> <p>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.</p> <p>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).</p>		

ATTACHMENT TO GRANT
IBFS File No. SAT-STA-20171208-00169

Action Date:	December 13, 2017	
Term Dates	From: December 13, 2017	To: period of 30 days
Approved:	 Stephen J. Duall Chief, Satellite Policy Branch	

2. Contact

Name:	Alison Minea	Phone Number:	202-463-3709
Company:	DISH Operating L.L.C.	Fax Number:	
Street:	1110 Vermont Ave NW Suite 750	E-Mail:	Alison.Minea@dish.com
City:	Washington	State:	DC
Country:	USA	Zipcode:	20005 -
Attention:		Relationship:	

(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?

- 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
109.9 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 30-day special temporary authority to 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). See Exhibit 1.

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: Exhibit 1

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).

FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT

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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)(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).