

File # SAT-LOA-20141002-00105

Call Sign S2931 Grant Date 03/12/15
(or other identifier)

Term Dates see
From conditions To: conditions

Approved: Stephen J. Duall
Chief, Satellite Policy Branch

Approved by OMB
3060-0678



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APPLICATION FOR SATELLITE SPACE STATION AUTHORIZATIONS
FCC 312 MAIN FORM
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APPLICANT INFORMATION

Enter a description of this application to identify it on the main menu:
Application for authority to launch and operate the EchoStar 18 satellite at the nominal 110 W.L. orbital location.

1-8. Legal Name of 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		-

DISH Operating L.L.C.
IBFS File No. SAT-LOA-20141002-00105
Call Sign S2931

The application of DISH Operating L.L.C. (DISH), IBFS File No. SAT-LOA-20141002-00105, IS GRANTED. Accordingly, DISH is authorized to construct, launch, and operate a geostationary orbit space station, to be known as EchoStar 18 (S2931), at the 109.9° W.L. orbital location to provide Direct Broadcast Satellite Service to the continental United States, Alaska, Hawaii, and Puerto Rico in the 12.2-12.7 GHz (space-to-Earth) and 17.3-17.8 GHz (Earth-to-space) frequency bands.¹ DISH is also authorized to conduct telemetry, tracking, and command (TT&C) operations necessary to maintain EchoStar 18 using the following center frequencies: 12.695 GHz, 12.696 GHz, 12.203 GHz, and 12.204 GHz (space-to-Earth), and 17.303 GHz (Earth-to-space). In addition, DISH may conduct 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 DISH's application and the Federal Communications Commission's rules, and are subject to the following conditions:

1. Pursuant to Section 25.111(c) of the Commission's rules, 47 C.F.R. § 25.111(c), DISH must provide the Commission with all information it requires in order to modify the Appendix 30 BSS Plan and associated Appendix 30A feeder-link Plan to incorporate the characteristics of the BSS space station of the EchoStar 18 satellite, USABSS-41, in accordance with the ITU Radio Regulations. DISH shall be held responsible for all cost recovery fees associated with these ITU filings. We also note that no protection from interference caused by radio stations authorized by other administrations is guaranteed unless coordination and notification procedures are timely completed, or, with respect to individual administrations, coordination agreements are successfully completed. Any radio station authorization for which coordination has not been completed and/or for which the necessary agreements under Appendices 30 and 30A have not been obtained may be subject to additional terms and conditions as required to effect coordination or obtain the agreement of other Administrations.

2. EchoStar is also authorized to operate EchoStar 18 initially as an in-orbit spare for the EchoStar 10 space station (Call Sign S2694) at the 110.2° W.L. orbital location.² In the event EchoStar operates EchoStar 18 as an in-orbit spare and subsequently activates the communications payload, EchoStar must notify the Commission, in writing, of activation of the communication payload within three business days of the start of the activation.

3. In connection with the provision of service in any particular country, DISH is obliged to comply with the applicable laws, regulations, rules, and licensing procedures of that country.

4. DISH must maintain the EchoStar 18 space station with an east/west longitudinal station-keeping tolerance of +/- 0.05 degrees of the 109.9° W.L. orbital location.

¹ Although DISH is authorized to construct and launch EchoStar 18 with the capability of operating on DBS channels 28, 30, and 32, DISH has not sought – and is not granted – authority to operate on DBS channels 28, 30, and 32 pursuant to this authorization.


² EchoStar 10 (Call Sign S2694) operates at the 110.2° W.L. orbital location in the same frequency bands as EchoStar 18. In addition, EchoStar 11 (Call Sign S2738) operates at the 110.0° W.L. orbital location in the same frequency bands as EchoStar 18.

DISH Operating L.L.C.
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5. The license term for the EchoStar 18 space station, Call Sign S2931, is 10 years and will begin to run on the date DISH certifies to the Commission that the satellite has been successfully placed into orbit and its operations fully conform to the terms and conditions of this authorization. DISH is directed to file its certification with the Chief, Satellite Division, International Bureau, within 10 days after the space station commences operations at its assigned location.

6. DISH is afforded 30 days from the date of the release to decline this authorization as conditioned. Failure to respond within this period will constitute formal acceptance of this authorization as conditioned.

7. 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.

 GRANTED* International Bureau *with conditions	File # <u>SAT-LOA-20141002-00105</u>
	Call Sign <u>S2931</u> Grant Date <u>03/12/15</u> (or other identifier)
	From <u>see conditions</u> Term Dates <u>see conditions</u> To: <u>conditions</u>
	Approved: <u>Stephen J. Duall</u> Stephen J. Duall Chief, Satellite Policy Branch

9-16. Name of Contact Representative

Name:	Stephanie Roy	Phone Number:	202-429-6278
Company:	Step toe & Johnson LLP	Fax Number:	202-429-3902
Street:	1330 Connecticut Ave NW	E-Mail:	sroy@steptoe.com
City:	Washington	State:	DC
Country:	USA	Zipcode:	20036 -1795
Attention:		Relationship:	Legal Counsel

CLASSIFICATION OF FILING

17. Choose the buttonnext to the classification that applies to thisfiling for both questions a. and b. Choose only one for 17a and only one for 17b.

a.

- (N/A) a1. Earth Station
- a2. Space Station

b.

- b1. Application for License of New Station (N/A)
- b2. Application for Registration of New Domestic Receive-Only Station (N/A)
- b3. Amendment to a Pending Application (N/A)
- b4. Modification of License or Registration (N/A)
- b5. Assignment of License or Registration (N/A)
- b6. Transfer of Control of License or Registration (N/A)
- b7. Notification of Minor Modification (N/A)
- b8. Application for License of New Receive-Only Station Using Non-U.S. Licensed Satellite
- b9. Letter of Intent to Use Non-U.S. Licensed Satellite to Provide Service in the United States
- b10. Replacement Satellite Application – no new frequency bands
- b11. Replacement Satellite Application – new frequency bands (Not eligible for streamlined processing)
- b12. Petition for Declaratory Ruling to be Added to the Permitted List (N/A)
- b13. Other (Please specify)

<p>17c. Is a fee submitted with this application?</p> <p><input checked="" type="radio"/> If Yes, complete and attach FCC Form 159.</p> <p>If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114).</p> <p><input type="radio"/> Governmental Entity <input type="radio"/> Noncommercial educational licensee</p> <p><input checked="" type="radio"/> Other (please explain):</p> <p>17c. Fee Classification BNY – Space Station (Geostationary)</p>
<p>18. If this filing is in reference to an existing station, enter:</p> <p>(a) Call sign of station: Not Applicable</p>
<p>19. If this filing is an amendment to a pending application enter:</p> <p>(a) Date pending application was filed: Not Applicable</p> <p>(b) File number of pending application: Not Applicable</p>

TYPE OF SERVICE

<p>20. NATURE OF SERVICE: This filing is for an authorization to provide or use the following type(s) of service(s): Select all that apply:</p> <p> <input type="checkbox"/> a. Fixed Satellite <input type="checkbox"/> b. Mobile Satellite <input type="checkbox"/> c. Radiodetermination Satellite <input type="checkbox"/> d. Earth Exploration Satellite <input type="checkbox"/> e. Direct to Home Fixed Satellite <input type="checkbox"/> f. Digital Audio Radio Service <input checked="" type="checkbox"/> g. Other (please specify) Direct Broadcast Satellite </p>	
<p>21. STATUS: Choose the button next to the applicable status. Choose only one.</p> <p> <input checked="" type="radio"/> Common Carrier <input type="radio"/> Non-Common Carrier </p>	<p>22. If earth station applicant, check all that apply.</p> <p>Not Applicable</p>
<p>23. If applicant is providing INTERNATIONAL COMMON CARRIER service, see instructions regarding Sec. 214 filings. Choose one. Are these facilities:</p> <p> <input type="radio"/> Connected to a Public Switched Network <input checked="" type="radio"/> Not connected to a Public Switched Network <input checked="" type="radio"/> N/A </p>	
<p>24. FREQUENCY BAND(S): Place an "X" in the box(es) next to all applicable frequency band(s).</p> <p> <input type="checkbox"/> a. C-Band (4/6 GHz) <input type="checkbox"/> b. Ku-Band (12/14 GHz) <input checked="" type="checkbox"/> c. Other (Please specify upper and lower frequencies in MHz.) Frequency Lower: 12200 Frequency Upper: 17800 (Please specify additional frequencies in an attachment) </p>	

TYPE OF STATION

25. CLASS OF STATION: Choose the button next to the class of station that applies. Choose only one.

- (N/A) a. Fixed Earth Station
- (N/A) b. Temporary-Fixed Earth Station
- (N/A) c. 12/14 GHz VSAT Network
- (N/A) d. Mobile Earth Station
- e. Geostationary Space Station.
- f. Non-Geostationary Space Station
- g. Other (please specify)

26. TYPE OF EARTH STATION FACILITY: Not Applicable

PURPOSE OF MODIFICATION

27. The purpose of this proposed modification is to: (Place an "X" in the box(es) next to all that apply.) Not Applicable

ENVIRONMENTAL POLICY

28. Would a Commission grant of any proposal in this application or amendment have a significant environmental impact as defined by 47 CFR 1.1307? If YES, submit the statement as required by Sections 1.1308 and 1.1311 of the Commission's rules, 47 C.F.R. §§ 1.1308 and 1.1311, as an exhibit to this application. A Radiation Hazard Study must accompany all applications for new transmitting facilities, major modifications, or major amendments.

Yes No

ALIEN OWNERSHIP

Earth station applicants not proposing to provide broadcast, common carrier, aeronautical en route or aeronautical fixed radio station services are not required to respond to Items 30-34.

<p>29. Is the applicant a foreign government or the representative of any foreign government?</p>	<p><input type="radio"/> Yes <input checked="" type="radio"/> No</p>
<p>30. Is the applicant an alien or the representative of an alien?</p>	<p><input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> N/A</p>
<p>31. Is the applicant a corporation organized under the laws of any foreign government?</p>	<p><input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> N/A</p>
<p>32. Is the applicant a corporation of which more than one-fifth of the capital stock is owned of record or voted by aliens or their representatives or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country?</p>	<p><input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> N/A</p>
<p>33. Is the applicant a corporation directly or indirectly controlled by any other corporation of which more than one-fourth of the capital stock is owned of record or voted by aliens, their representatives, or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country?</p>	<p><input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> N/A</p>
<p>34. If any answer to questions 29, 30, 31, 32 and/or 33 is Yes, attach as an exhibit an identification of the aliens or foreign entities, their nationality, their relationship to the applicant, and the percentage of stock they own or vote.</p>	

BASIC QUALIFICATIONS

<p>35. Does the Applicant request any waivers or exemptions from any of the Commission's Rules? If Yes, attach as an exhibit, copies of the requests for waivers or exceptions with supporting documents.</p>	<p><input type="radio"/> Yes <input checked="" type="radio"/> No</p>
<p>36. Has the applicant or any party to this application or amendment had any FCC station authorization or license revoked or had any application for an initial, modification or renewal of FCC station authorization, license, or construction permit denied by the Commission? If Yes, attach as an exhibit, an explanation of circumstances.</p>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No Q - 36</p>
<p>37. Has the applicant, or any party to this application or amendment, or any party directly or indirectly controlling the applicant ever been convicted of a felony by any state or federal court? If Yes, attach as an exhibit, an explanation of circumstances.</p>	<p><input type="radio"/> Yes <input checked="" type="radio"/> No</p>
<p>38. Has any court finally adjudged the applicant, or any person directly or indirectly controlling the applicant, guilty of unlawfully monopolizing or attempting unlawfully to monopolize radio communication, directly or indirectly, through control of manufacture or sale of radio apparatus, exclusive traffic arrangement or any other means or unfair methods of competition? If Yes, attach as an exhibit, an explanation of circumstances</p>	<p><input type="radio"/> Yes <input checked="" type="radio"/> No GIMS files</p>
<p>39. Is the applicant, or any person directly or indirectly controlling the applicant, currently a party in any pending matter referred to in the preceding two items? If yes, attach as an exhibit, an explanation of the circumstances.</p>	<p><input type="radio"/> Yes <input checked="" type="radio"/> No ITU 3</p>

<p>40. If the applicant is a corporation and is applying for a space station license, attach as an exhibit the names, address, and citizenship of those stockholders owning a record and/or voting 10 percent or more of the Filer's voting stock and the percentages so held. In the case of fiduciary control, indicate the beneficiary(ies) or class of beneficiaries. Also list the names and addresses of the officers and directors of the Filer.</p>	<p style="text-align: right;">Q - 40</p>
<p>41. 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.</p>	<p style="text-align: right;">Yes <input checked="" type="radio"/> No <input type="radio"/></p>
<p>42a. Does the applicant intend to use a non-U.S. licensed satellite to provide service in the United States? If Yes, answer 42b and attach an exhibit providing the information specified in 47 C.F.R. 25.137, as appropriate. If No, proceed to question 43.</p>	<p style="text-align: right;">Yes <input type="radio"/> No <input checked="" type="radio"/></p>
<p>42b. What administration has licensed or is in the process of licensing the space station? If no license will be issued, what administration has coordinated or is in the process of coordinating the space station?</p>	

43. Description. (Summarize the nature of the application and the services to be provided). (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)

This is an application for authority to launch and operate the new EchoStar 18 satellite at the 109.9 W.L. orbital location.

Narrative

43a. Geographic Service Rule Certification

By selecting A, the undersigned certifies that the applicant is not subject to the geographic service or geographic coverage requirements specified in 47 C.F.R. Part 25.

A

By selecting B, the undersigned certifies that the applicant is subject to the geographic service or geographic coverage requirements specified in 47 C.F.R. Part 25 and will comply with such requirements.

B

By selecting C, the undersigned certifies that the applicant is subject to the geographic service or geographic coverage requirements specified in 47 C.F.R. Part 25 and will not comply with such requirements because it is not feasible as a technical matter to do so, or that, while technically feasible, such services would require so many compromises in satellite design and operation as to make it economically unreasonable. A narrative description and technical analysis demonstrating this claim are attached.

C

ITU

CERTIFICATION

The Applicant waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application. The applicant certifies that grant of this application would not cause the applicant to be in violation of the spectrum aggregation limit in 47 CFR Part 20. All statements made in exhibits are a material part hereof and are incorporated herein as if set out in full in this application. The undersigned, individually and for the applicant, hereby certifies that all statements made in this application and in all attached exhibits are true, complete and correct to the best of his or her knowledge and belief, and are made in good faith.

<p>44. Applicant is a (an): (Choose the button next to applicable response.)</p> <p> <input type="radio"/> Individual <input type="radio"/> Unincorporated Association <input type="radio"/> Partnership <input checked="" type="radio"/> Corporation <input type="radio"/> Governmental Entity <input type="radio"/> Other (please specify) </p>	
<p>45. Name of Person Signing Alison Minea</p>	<p>46. Title of Person Signing Director & Senior Counsel, Regulatory Affairs</p>
<p>47. Please supply any need attachments.</p> <p>1:</p> <p>2:</p> <p>3:</p>	
<p>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).</p>	

Completed Schedule S

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