

Approved by OMB  
3060-0678

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:  
STA for TT&C E990067

I. Applicant

Name: Denali 20020, LLC Phone Number: 509-689-1000  
DBA Name: Fax Number: 509-689-3798  
Street: 66 C Teleport Drive E-Mail: TOCCC@usei-teleport.com  
City: Brewster State: WA  
Country: USA Zipcode: 98812  
Attention: Mr Darryl White



File # SES-STA-20171019-01187  
Call Sign E990067 Grant Date 1-16-18  
(or other identifier)  
Term Dates  
From: 1-15-18 To: 3-14-18  
Approved: [Signature]

Applicant: Denali 20020, LLC  
Call Sign: E990067  
File No.: SES-STA-20171019-01187  
Special Temporary Authority (STA)



File # SES-STA-2d71019-01187  
E990067  
Call Sign E990067 Grant Date 1-10-18  
(or other identifier)  
From: 1-15-18 Term Dates To: 3-16-18  
Approved: Paul E. Hayes

Denali 20020, LLC is granted special temporary authority for 60 days beginning January 15, 2018 to operate its fixed earth station in Brewster, Washington to provide launch and early orbit phase (LEOP) services and telemetry, tracking and command (TT&C) services for the SES-16/GovSat-1 satellite (licensed by the Luxemburg Administration) as it proceeds to its 21.5° E orbital location on the following center frequencies: 7901.0 MHz (Earth-to-space), and 7748.50 and 7729.50 MHz (space-to-Earth) under the following conditions:

1. Uplinks from all supporting ground stations will be restricted to a single 1 MHz emission centered at 7901.0 MHz.
2. Downlink will be restricted to a single 1 MHz emission centered at 7748.5 MHz except:
  - a. During the first hour of operation after spacecraft separation (given the projected latitudes and longitudes), downlink can also use the 1 MHz emission centered at 7729.5 MHz.
3. If a primary downlink anomaly requires the use of the alternate downlink frequency (7729.5 MHz), immediately: contact via phone:
  - a. Notify the following point of contact via phone: US DoD Wideband Watch Office (24/7 operations center) at +1 719-554-1854
  - b. Notify the following contacts via email:
    - b1. Jimmy Nguyen, Air Force Spectrum Management Office, [jimmy.nguyen@us.af.mil](mailto:jimmy.nguyen@us.af.mil)
    - b2. Travis Inghram, US Army Space and Missile Defense Command, [travis.j.inghram.civ@mail.mil](mailto:travis.j.inghram.civ@mail.mil)
4. Provide [jimmy.nguyen@us.af.mil](mailto:jimmy.nguyen@us.af.mil) and a [travis.j.inghram.civ@mail.mil](mailto:travis.j.inghram.civ@mail.mil), a 24/7 point of contact phone number in case harmful interference is encountered and requires resolution.
5. Denali 20020, LLC shall not cause harmful interference to, and shall not claim protection from, interference caused to it by any other lawfully operating station and it shall cease transmission(s) immediately upon notice of such interference.
6. In the event that there is a report of interference, Denali 20020, LLC must immediately terminate transmissions and notify the FCC in writing.
7. Any action taken or expense incurred as a result of operations pursuant to this special temporary authority is solely at Denali 20020, LLC risk.
8. Denali 20020, LLC shall take all reasonable and customary measures to ensure that the earth station does not create a potential for harmful non-ionizing radiation to persons who may be in the vicinity of the earth station when it is in operation. The earth station operator shall be

responsible for assuring that individuals do not stray into the regions around the earth station where there is a potential for exceeding the maximum permissible exposure limits.

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

**2. Contact**

<b>Name:</b>	Levin M. Born	<b>Phone Number:</b>	6465843703
<b>Company:</b>	Regent Square Group LLC	<b>Fax Number:</b>	
<b>Street:</b>	225 Broadway Suite 3400	<b>E-Mail:</b>	levin.born@regentsquaregroup.com
<b>City:</b>	New York	<b>State:</b>	NY
<b>Country:</b>	USA	<b>Zipcode:</b>	10007
<b>Attention:</b>		<b>Relationship:</b>	Other

(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 CGX – Fixed Satellite Transmit/Receive Earth Station

5. Type Request

- Use Prior to Grant
- Change Station Location
- Other

6. Requested Use Prior Date  
12/01/2017

7. City/Brewster		8. Latitude (dd mm ss.s h) 48 8 47.2 N
9. State WA		10. Longitude (dd mm ss.s h) 119 42 7.9 W
11. Please supply any need attachments.		
Attachment 1: Form 159		Attachment 2: Narrative
Attachment 3: FCC E990067		
12. 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.)		
Request for Special Temporary Authority to Utilize New Transmit and Receive Frequencies for Tracking, Telemetry and Command (TT&C) services on Call Sign E990067		
13. 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.		
14. Name of Person Signing Darryl White		15. Title of Person Signing Manager
<b>WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND / OR IMPRISONMENT</b> (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).		

 Yes

 No

## **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.**



17 October 2017

Attention: International Bureau of the Federal Communications Commission  
Subject: Request for Special Temporary Authority to Utilize New Transmit and Receive  
Frequencies for Tracking, Telemetry and Command (TT&C) services on Call Sign E990067  
To Whom It May Concern,

We have been instructed to file this application on behalf of Denali 20020 LLC, which seeks a  
Special Temporary Authority from the FCC to utilize new transmit and receive frequencies to  
provide TT&C services on Call Sign E990067.

These services are intended to provide support to the SES-16/GovSat-1 satellite immediately  
following its launch and for a ten-day period thereafter during its transfer orbit as it travels to  
its final orbital position of 21.5E.

Currently, the launch of the SES-16/GovSat-1 satellite is scheduled for the 16<sup>th</sup> of December  
2017 (12/16/2017) with a secondary launch date on the 27<sup>th</sup> of December 2017 (12/27/2017).

Denali 20020 LLC seeks a 90-day Special Temporary Authority from the FCC beginning on the 1<sup>st</sup>  
of December 2017 (12/01/2017) and ending on the 1<sup>st</sup> of March 2018 (03/01/2018). This will  
allow for any delays or launch date changes.

#### Antenna Information

Call Sign: E990067  
Site ID: BREW-3  
Latitude: 48° 8' 47.2" N  
Longitude: 119° 42' 7.9" W  
Diameter: 7.6 Meters  
Manufacturer: NEC  
Model Number: G2573C  
Site Elevation: 382.8 Meters  
Maximum Antenna Height: 394.7 Meters AMSL / 11.9 Meters AGL  
Maximum Gain(s): 50.3 dBi at 5.2000 GHz and 52.7 dBi at 7.0250 GHz  
Maximum Total Input Power at Antenna Flange: 1175.0 Watts  
Maximum Aggregate Output EIRP for all Carriers: 81.0 dBW

225 Broadway, Suite 3400, New York, New York, NY 10007



Transmit and Receive Frequency Information and Parameters

TC-1 UL	TC-2 UL	TM-1 DL	TM-2 DL
Tx Center Freq. 7901.00 MHz	8399.00 MHz		
Rx Center Freq. 820 KHz	820 KHz	7748.50 MHz	7729.50 MHz
Bandwidth	820 KHz	200 KHz	200 KHz
Polarization	LHCP	RHCP	RHCP
Bit Rate	1 kbps	4.8 kbps	4.8 kbps
Modulation	BPSK (FM)	BPSK (PM)	BPSK (PM)
Emission Code	820KF7D	200KG7D	200KG7D
Tx Antenna Gain	52.7 dBi	52.7 dBi	52.7 dBi
Rx Antenna Gain			
Tx Power	750 Watts 28.8 dBW EIRP 81.5 dBW		
Rx Interference Threshold		-136.8 dBW I/N = -10 dBW EIRP 0.5 dBW	-136.8 dBW I/N = -10 dBW EIRP 0.5 dBW

We have attached the following documents to this application as annexes:

1. FCC File Number SES-RWL-20090402-00399
2. Form 159

We remain available to you for any clarifications required or document needs to further your assessment of our request.

We thank you for your consideration and attention to the matter.

Sincerely,

Levin M. Born  
Regent Square Group LLC  
+1 (646) 584 3703





31 October 2017

Via Electronic Filing

Mr. Paul Blais, Branch Chief  
Federal Communications Commission  
International Bureau Satellite Division  
445 12<sup>th</sup> Street SW  
Washington, D.C. 20554

Regarding: Denali 20020 LLC  
SES-STA-20171019-01187  
Call Sign E990067

Dear Mr. Blais,

Pursuant to Section 1.65 of the Commission's rules, 47 C.F.R. § 1.65, Denali 20020 LLC, by instruction to Regent Square Group LLC, hereby updates the information furnished in the above-referenced application for continuing accuracy and completeness in the following respect:

The licensed administration that will be registering the SES-16/GovSat-1 to the UNOOSA registry on behalf of the operator is Luxembourg.

Please feel free to reach out to us should you have any further questions or require any further clarification on the matter.

We thank you for your consideration and attention to the matter.

Sincerely,

Levin M. Born  
Regent Square Group LLC  
+1 (646) 584 3703

cc: Ms. Trang Nguyen

225 Broadway, Suite 3400, New York, NY 10007