

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

1. Applicant

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

File # SES-STA-20171019-01187
E990067
 Call Sign (or other identifier) 1-10-18
 Term Dates
 From: 1-15-18 To: 3-16-18
 Approved: [Signature]

GRANTED
International Bureau

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



File # SES-STA-20171019-01187
E990067
Call Sign E990067 Grant Date 1-10-18
(or other identifier)
Term Dates
From: 1-15-18 To: 3-16-18
Approved: Paul E. [Signature]

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
 - b2. Travis Inghram, US Army Space and Missile Defense Command, travis.j.inghram.civ@mail.mil
4. Provide jimmy.nguyen@us.af.mil and a 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

Name: Levin M. Born **Phone Number:** 6465843703
Company: Regent Square Group LLC **Fax Number:**
Street: 225 Broadway **E-Mail:** levin.born@regentsquaregroup.com
Suite 3400
City: New York **State:** NY
Country: USA **Zipcode:** 10007
Attention: **Relationship:** 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.) <div style="border: 1px solid black; padding: 5px;">Request for Special Temporary Authority to Utilize New Transmit and Receive Frequencies for Tracking, Telemetry and Command (TT&C) services on Call Sign E990067</div>	
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. Yes <input checked="" type="radio"/> No <input type="radio"/>	
14. Name of Person Signing Darryl White	15. Title of Person Signing Manager
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.



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 16th of December 2017 (12/16/2017) with a secondary launch date on the 27th of December 2017 (12/27/2017).

Denali 20020 LLC seeks a 90-day Special Temporary Authority from the FCC beginning on the 1st of December 2017 (12/01/2017) and ending on the 1st 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



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.			7748.50 MHz	7729.50 MHz
Bandwidth	820 kHz	820 kHz	200 kHz	200 kHz
Polarization	LHCP	LHCP	RHCP	RHCP
Bit Rate	1 kbps	1 kbps	4.8 kbps	4.8 kbps
Modulation	BPSK (FM)	BPSK (FM)	BPSK (PM)	BPSK (PM)
Emission Code	820KF7D	820KF7D	200KG7D	200KG7D
Tx Antenna Gain	52.7 dBi	52.7 dBi		
Rx Antenna Gain			52.7 dBi	52.7 dBi
Tx Power	750 Watts 28.8 dBW EIRP 81.5 dBW	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 12th 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