Approved by OMB 3060-0678

Date & Time Filed: File Number: ---Callsign/Satellite ID:

APPLICATION FOR EARTH STATION AUTHORIZATIONS

FCC 312 MAIN FORM FOR OFFICIAL USE ONLY FCC Use Only

APPLICANT INFORMATION

Enter a description of this application to identify it on the main menu:

DRAFT FORM TO SUPPORT 60-DAY STA REQUEST

1-8. Legal Name of Applicant

RBC Signals, LLC Name:

Phone Number: 404-803-7734

DBA

Street:

Name:

Fax Number:

2205 152nd Ave NE Street:

E-Mail: crichins@rbcsignals.com

City: Redmond State:

WA

USA Country:

Zipcode:

98052 -

Attention: Mr. Christopher Richins

9-16. Name of Contact Representative

Name: Carlos Nalda Phone Number:

5713325626

Company: LMI Advisors

2550 M Street NW E-Mail:

Fax Number:

cnalda@lmiadvisors.com

Suite 345

City: Washington

Zipcode:

State:

20037-

DC

Country: **USA**

a1. Earth Station

(N/A) a2. Space Station

Attention: Mr. Carlos Nalda

Relationship: Other

CLASSIFICATION OF FILING

17. Choose the button next to the classification that applies to this filing for both questions a. and b. Choose only

o b1. Application for License of New Station

b2. Application for Registration of New Domestic Receive-Only Station (N/A) b3. Amendment to a Pending Application

one for 17a and only one for 17b.

(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

(N/A) b9. Letter of Intent to Use Non-U.S. Licensed Satellite to Provide Service in the United States

b10. Other (Please specify)

b11. Application for Earth Station to Access a Non-U.S.satellite Not Currently Authorized to Provide the Proposed Service in the Proposed Frequencies in the United States.

17c. 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).

O Governmental Entity O Noncommercial educational licensee

Other(please explain): DRAFT FORM

17d.

Fee Classification

18. If this filing is in reference to an

19. If this filing is an amendment to a pending application enter:

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

O Yes O No O N/A

foreign government or representative thereof or by any corporation organized under the laws of a foreign country?

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.

BASIC QUALIFICATIONS

DASIC QUALIFICATIONS	
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.	O Yes ● No
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 explination of circumstances.	O Yes O No
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 explination of circumstances.	O Yes O No
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	O Yes ● No
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 exhinit, an explanation of the circumstances.	O Yes O No
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.	
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.	● Yes O No
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.	O Yes O No
42b. What administration has licensed or is in the process of licensing the space station? If no license will be has coordinated or is in the process of coordinating the space station?	issued, what administration
43. Description. (Summarize the nature of the application and the services to be provided). Draft form to s request for TT&C for Astranis Demosat-2.	upport 60-day STA
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.	O _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	0 c

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.

44. Applicant is a (an): (Choose the button next to applicable response.)

description and technical analysis demonstrating this claim are attached.

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O Individual				
O Unincorporated Ass	sociation			
o Partnership	ociation			
O Corporation				
Governmental Entit	V			
Other (please specif	-			
LLC	•			
45. Name of Person Sig	ning	46. Title of Pers	on Signing	
Christopher Richins		CEO	on Signing	
<u> </u>				
47. Please supply any nee	71		A., 1 , 2	
Attachment 1:	Attachme	nt 2:	Attachment 3:	
(U.S. Code	TATEMENTS MADE ON TF e, Title 18, Section 1001), AND de, Title 47, Section 312(a)(1))	OOR REVOCATION OF A	NY STATION AUTHO	RIZATION
	SATELLITE EAR	TH STATION AUT	HORIZATIONS	3
FCC 1	Form 312 - Schedule			
	orm or generale	Di (Teelimear ana e	peracional Desc	riperon)
	FOR	OFFICIAL USE ONI	\mathbf{X}	
Location of Earth Station	Site			
E1: Site Identifier:	RBC-Deadhorse	E5. Call Sign:		
E2: Contact Name	Christopher Richins	E6. Phone Number:	650-746-8744	
E3. Street:	DS12 Access Road	E7. City:	Deadhorse	
		E8. County:	North Slope Boro	nioh
E4. State	AK	E9. Zip Code	99734	, ugii
E10. Area of Operation:		Deadhorse, Alaska	<i>3313</i> 1	
E11. Latitude:	70 ° 12 ' 45.0 " N	Deadhorse, Maska		
E12. Longitude:	148 ° 24 ' 29.0 " W			
		ONAD 27	ANAD 02	ONT/A
E13. Lat/Lon Coordinate		O _{NAD-27}	◎ NAD-83	o _{N/A}
E14. Site Elevation (AM	SL):	15.0 meters		
do(es) the proposed anter	nna(s) operate in the Fixed Sate nna(s) comply with the antenna ufacturer's qualification measur gree spacing policy.	gain patterns specified in Sec	tion 25.209(a) and (b) as	
Fixed Satellite Service (F	nna(s) do not operate in the Fix (SS) with non-geostationary sate specified in Section 25.209(a2) ats?	ellites, do(es) the proposed ar	ntenna(s) comply with	● Yes ONO N/A
E17. Is the facility operat control point.	ted by remote control? If YES, I	provide the location and telep	hone number of the	• Yes • No
E18. Is frequency coas	oordination required? If Y	ES, attach a frequency of	coordination report	o Yes ● No
	with another country required to f coordination contours		e name of the	o Yes ● No
FAA notification is 854 and or the FAA aviation?	ion - (See 47 CFR Part 1 required, have you attac 's study regarding the p	ched a copy of a complotential hazard of the	eted FCC Form structure to	O Yes ● No

THE RETURN OF THIS APPLICATION.

POINTS OF COMMUNICATION

Satellite Name:OTHER OTHER If you selected OTHER, please enter the following:				
E21. Common Name: DEMOSAT-2 E22. ITU Name:				
E23. Orbit Location: NSGO	E24. Country: USA			

POINTS OF COMMUNICATION (Destination Points)

E25. Site Identifier: RBC-Deadhorse	
E26. Common Name:	E27. Country:USA

ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	E32. Antenna Size	E41/42. Antenna GainTransmint and/or Recieve(dBi atGHz)
RBC- Deadhorse	YAGI-1	1	M2 Antenna Systems	400CP30A	3.57	16.2 dBi at 0.400

E28. Antenna Id	Minor/Major(meters) 	Level	Above	E37. Building Height Above Ground Level (meters)	1	E39. Maximum Antenna Height Above Rooftop (meters)	E40. Total EIRP for al carriers (dBW)
YAGI-1	0.025/3.57	15.0	0.0	0.0	8.93	0.0	25.7

FREQUENCY

E28.	E43/44.	E45.	E46. Antenna	E47.		E49. Maximum ERIP		
Antenna	Frequency	T/R	Polarization(H,V,L,R)	Emission	EIRP per	Density per		
Id	Bands(MHz)	Mode		Designator	Carrier(dBW)	Carrier(dBW/4kHz)		
YAGI-1	401.6 401.75	R	Right Hand Circular	33K0G1D	0.0	0.0		
E50. Mod	ulation and Serv	ices TT	&C Downlink					
YAGI-1	401.6 401.75	R	Right Hand Circular	4K13G1D	0.0	0.0		
E50. Mod	ulation and Serv	ices TT	&C Downlink					
YAGI-1	401.6 401.75	R	Right Hand Circular	99K1G1D	0.0	0.0		
E50. Mod	ulation and Serv	ices TT	&C Downlink					
YAGI-1	401.6 401.75	T	Right Hand Circular	33K0G1D	25.7	16.5		
E50. Mod	ulation and Serv	ices TT	'&C Uplink					
YAGI-1	401.6 401.75	T	Right Hand Circular	4K13G1D	25.7	25.6		
E50. Modulation and Services TT&C Uplink								
YAGI-1	401.6 401.75	T	Right Hand Circular	99K1G1D	25.7	11.8		
E50. Mod	E50. Modulation and Services TT&C Uplink							

FREQUENCY COORDINATION

E28. Antenna Id	I Inhit Ivno	E52/53. Frequency Limits(MHz)		E56. Earth Station Azimuth Angle Eastern Limit	E57. Antenna Elevation Angle Eastern Limit	E58. Earth Station Azimuth Angle Western Limit	E59. Antenna Elevation Angle Western Limit	E60. Maximum EIRP Density toward the Horizon(dBW/4kHz)
$\parallel \nabla \Delta (\downarrow 1 \mid 1 \mid 1)$	Non- Geostationary	401.6 401.75	0.0/ 0.0	0.0	5.0	360.0	5.0	25.6

REMOTE CONTROL POINT LOCATION REMOTE CONTROL POINT LOCATION

REMOTE CONTROL I ON I LOCATION	
E61. Call Sign	E65. Phone Number
NOTES DI COLLEGE DE LA COLLEGE	650-746-8744
NOTE: Please enter the callsign of the controlling station, not the callsign for which this	
application is being filed.	
E62. Street Address	

2205 152nd Street NE			
	King	State/Country	E66. Zip Code 98052

FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT

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