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Callsign/Satellite ID:

# APPLICATION FOR EARTH STATION AUTHORIZATIONS FCC Use Only FCC 312 MAIN FORM FOR OFFICIAL USE ONLY

# APPLICANT INFORMATION

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

Barrett Tower Site

egal Name of A <sub>l</sub>	pplicant		
Name:	RUNESTONE TELEPHONE ASSOCIATION	Phone Number:	320-986-2013
DBA Name:		Fax Number:	320-986-2050
Street:	100 RUNESTONE DRIVE	E-Mail:	kent@runestone.net
	PO BOX 336		
City:	HOFFMAN	State:	MN
<b>Country:</b>	USA	Zipcode:	56339 -0336
Attention:	KENT L HEDSTROM		

9–16. Name of Contact Representative

Name: KENT L HEDSTROM Phone Number: 320–986–2013

**Company:** RUNESTONE TELEPHONE **Fax Number:** 320–986–2050

ASSOCIATION

Street: 100 RUNESTONE DRIVE **E-Mail:** kent@runestone.net

PO BOX 336

City: HOFFMAN State: MN

**Country:** USA **Zipcode:** 56339–0336

**Attention:** KENT L HEDSTROM **Relationship:** Other

# **CLASSIFICATION OF FILING**

17. Choose the button next to the	h
	b.
classification that applies to this filing for	b1. Application for License of New Station
both questions a. and b. Choose only one	b2. Application for Registration of New Domestic Receive—Only Station
for 17a and only one for 17b.	(N/A) b3. Amendment to a Pending Application
	(N/A) b4. Modification of License or Registration
a.	(N/A) b5. Assignment of License or Registration
a1. Earth Station	(N/A) b6. Transfer of Control of License or Registration
(N/A) a2. Space Station	(N/A) b7. Notification of Minor Modification
	(N/A) b8. Application for License of New Receive–Only Station Using Non–U.S. Licensed
	Satellite
	(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.
	b12. Application for Database Entry
	(N/A) b13. Amendment to a Pending Database Entry Application
	(N/A) b14. Modifiction of Database Entry
17 7 6 1 10 1 11 11	

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). Governmental Entity Noncommercial educational licensee Other(please explain):

17d.

Fee Classification CMO – Receive Only Earth Station

18. If this filing is in reference to an 19. If this filing is an amendment to a pending application enter: existing station, enter: (a) Date pending application was filed: (b) File number of pending application: (a) Call sign of station: Not Applicable Not Applicable Not Applicable

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

### TYPE OF STATION

- 25. CLASS OF STATION: Choose the button next to the class of station that applies. Choose only one.
  - a. Fixed Earth Station
  - b. Temporary-Fixed Earth Station
  - c. 12/14 GHz VSAT Network
  - d. Mobile Earth Station

(N/A) e. Geostationary Space Station

(N/A) f. Non-Geostationary Space Station

g. Other (please specify)

26. TYPE OF EARTH STATION FACILITY: Choose only one.

Transmit/Receive Transmit-Only Receive-Only N/A

### 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.

29. Is the applicant a foreign government or the representative of any foreign government?	Yes	No	
30. Is the applicant an alien or the representative of an alien?	Yes	No	N/A
31. Is the applicant a corporation organized under the laws of any foreign government?	Yes	No	N/A
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?	Yes	No	N/A
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?	Yes	No	N/A
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

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.	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.	Yes	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.	Yes	No
38. Has any court finally adjudged the applicant, or any person directly or indirectly controlling the applicant, guilty of unlawfully monopolizing or attemptiing 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	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.	Yes	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	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.	Yes	No
42b. What administration has licensed or is in the process of licensing the space station? If no license will be issued, who coordinated or is in the process of coordinating the space station?	nat admin	nistration has

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

(If the complete description does

Applying for registration of a domestic receive-only earth station that has been in use since 1995. This will be used to receive signals for a CATV System. This site is located in Barrett Minnesota

43a. Geographic Service Rule Certification

A

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.

В

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.

C

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.

### **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 ne	xt to applicable response.	)		
Individual Unincorporated Association Partnership Corporation Governmental Entity Other (please specify)				
45. Name of Person Signing Kent Hedstrom		46. Title of Person Sig General Manager/CEC	· ·	
47. Please supply any need attachments.				
Attachment 1:	Attachment 2:		Attachment 3:	
(U.S. Code, Title 18, S	Section 1001), AND/OR I	REVOCATION OF ANY	BY FINE AND / OR IMPRISONMENT STATION AUTHORIZATION ode, Title 47, Section 503).	

# SATELLITE EARTH STATION AUTHORIZATIONS FCC Form 312 – Schedule B:(Technical and Operational Description) FOR OFFICIAL USE ONLY

Location of Earth Station Site

E1: Site Identifier: Barrett Tower Site E5. Call Sign: N/A

E2: Contact Name Kent Hedstrom E6. Phone 3209862013

Number:

E3. Street: 314 County Road 2 E7. City: Barrett

E8. County: Grant

E4. State MN E9. Zip Code 56311

E10. Area of Operation: Minnesota

E11. Latitude: 45 °54 '36.6 "N

E12. Longitude: 95 °54 '4.1 "W

E13. Lat/Lon Coordinates are: NAD-27 NAD-83 N/A

E14. Site Elevation (AMSL): 381.0 meters

E15. If the proposed antenna(s) operate in the Fixed Satellite Service (F proposed antenna(s) comply with the antenna gain patterns specified in by the manufacturer's qualification measurement? If NO, provide as a totwo-degree spacing policy.	Section 25.209(a) and (b) as demonstrated	Yes	No	N/A
E16. If the proposed antenna(s) do not operate in the Fixed Satellite Se Satellite Service (FSS) with non–geostationary satellites, do(es) the progain patterns specified in Section 25.209(a2) and (b) as demonstrated by measurements?	posed antenna(s) comply with the antenna	Yes	No	N/A
E17. Is the facility operated by remote control? If YES, provide the local point.	tion and telephone number of the control	Yes		No
E18. Is frequency coordination required? If YES, attach a frequency coordination	ordination report as	1		
		Yes		No
E19. Is coordination with another country required? If YES, attach the recoordination contours as	name of the country(ies) and plot of	Yes		No
E20. FAA Notification – (See 47 CFR Part 17 and 47 CFR part 25.113( you attached a copy of a completed FCC Form 854 and or the FAA's stustructure to aviation? FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL REAPPLICATION.	dy regarding the potential hazard of the	Yes		No
POINTS OF COMMUNICATION		<u> </u>		
Satellite Name:PERMITTED LIST   If you selected OTHER,	please enter the following:			
E21. Common Name:	E22. ITU Name:			
E23. Orbit Location:	E24. Country:			

POINTS OF COMMUNICATION (Destination Points)

E25. Site Identifier:	
E26. Common Name:	E27. Country:

# ANTENNA

Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	E32. Antenna Size <meters></meters>	E41/42. Antenna GainTransmint and/or Recieve (dBi atGHz)
Barrett Tower Site	1	1	Comtech	N/A	3.0	65.0 dBi at 3
	2					65.0 dBi at 3
	3					65.0 dBi at 3
	4		USS		4.0	65.0 dBi at 3
	5					65.0 dBi at 3
	6					65.0 dBi at 3
	7		DH Satellite		3.0	65.0 dBi at 3
	8					65.0 dBi at 3
	9					65.0 dBi at 3
	10					65.0 dBi at 3

Id	Diameter	Ground	(meters)	Height Above Ground Level 	Input Power at antenna flange (Watts)	Maximum Antenna Height	E40. Total EIRP for al carriers  (dBW)
1	3.0/3.0	4.0	384.0	4.0	0.0	0.0	0.0

2	3.0/3.0	4.0	384.0	4.0	0.0	0.0	0.0
3	3.0/3.0	4.0	384.0	4.0	0.0	0.0	0.0
4	4.0/4.0	4.0	385.0	4.0	0.0	0.0	0.0
5	4.0/4.0	5.0	385.0	4.0	0.0	0.0	0.0
6	4.0/4.0	5.0	385.0	4.0	0.0	0.0	0.0
7	3.0/3.0	4.0	384.0	4.0	0.0	0.0	0.0
8	3.0/3.0	4.0	384.0	4.0	0.0	0.0	0.0
9	3.0/3.0	4.0	384.0	4.0	0.0	0.0	0.0
10	3.0/3.0	4.0	384.0	4.0	0.0	0.0	0.0

# FREQUENCY

E28. Antenna Id	E43/44. Frequency Bands (MHz)	E45. T/R Mode			E48. Maximum EIRP per Carrier (dBW)	E49. Maximum ERIP Density per Carrier (dBW/4kHz)
1	3400 4200	R	Horizontal and Vertical	036M0G7W	0.0	0.0

E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)

Receive Only

2	3400	4200	R	Horizontal and	36M0G7W	0.0	0.0
				Vertical			

E50. Modulation entirety.)	and Services	(If th	ne complete description	on does not appear in	this box, please go to	o the end of the form	to view it in its
Receive On	ly						
2	3400	4200	R	Horizontal and Vertical	36M0G7W	0.0	0.0
Receive On	ly						
3	3400	4200	R	Horizontal and Vertical	36M0G7W	0.0	0.0
E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)  Receive Only							
4	3400	4200	R	Horizontal and Vertical	36M0G7W	0.0	0.0

E50. Modulation entirety.)	and Services	s (If t	ne complete description	on does not appear in	this box, please go t	o the end of the form	to view it in its
Receive Or	nly						
5	3400	4200	R	Horizontal and Vertical	36M0G7W	0.0	0.0
Receive Or	nly						
6	3400	4200	R	Horizontal and Vertical	36M0G7W	0.0	0.0
E50. Modulation and Services (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)  Receive Only							
7	3400	4200	R	Horizontal and Vertical	36M0G7W	0.0	0.0

E50. Modulation entirety.)	and Services	(If tl	ne complete description	on does not appear in	this box, please go to	o the end of the form	to view it in its
Receive Or	ly						
8	3400	4200	R	Horizontal and Vertical	36M0G7W	0.0	0.0
Receive Or	uly						
9	3400	4200	R	Horizontal and Vertical	36M0G7W	0.0	0.0
E50. Modulation entirety.)		(If the	ne complete description	on does not appear in	this box, please go to	o the end of the form	to view it in its
10	3400	4200	R	Horizontal and Vertical	36M0G7W	0.0	0.0

]	E50. Modulation and Services	(If the complete description does not appear in this box, please go to the end of the form to view it in its
enti	rety.)	
	Receive Only	

FREQUENCY COORDINATION	

E28. Antenna Id	E51. Satellite Orbit Type	E52/53. Frequency Limits(MHz)	E54/55. Range of Satellite Arc E/W Limit	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)
1	Geostationary	3400 4200	85.0/ 137.0	230.0	17.0	168.0	37.0	0.0
2	Geostationary	3400 4200	85.0/ 137.0	230.0	17.0	168.0	37.0	0.0
3	Geostationary	3400 4200	85.0/ 137.0	230.0	17.0	168.0	37.0	0.0
4	Geostationary	3400 4200	85.0/ 137.0	230.0	17.0	168.0	37.0	0.0
5	Geostationary	3400 4200	85.0/ 137.0	230.0	17.0	168.0	37.0	0.0
6	Geostationary	3400 4200	85.0/ 137.0	230.0	17.0	168.0	37.0	0.0
7	Geostationary	3400 4200	85.0/ 137.0	230.0	17.0	168.0	37.0	0.0

8	Geostationary	3400 4200	85.0/ 137.0	230.0	17.0	168.0	37.0	0.0
9	Geostationary	3400 4200	85.0/ 137.0	230.0	17.0	168.0	37.0	0.0
10	Geostationary	3400 4200	85.0/ 137.0	230.0	17.0	168.0	37.0	0.0

# REMOTE CONTROL POINT LOCATION

E61. Call Sign		E65. Phone Number		
NOTE: Please enter the callsign of the control callsign for which this application is being filed.				
E62. Street Address				
E63. City	E67. County		E64/68. State/Country	E66. Zip Code

## FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT

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