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#### 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: Seward Earth Station Application

1–8. Legal Name	of Applicant
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Name: GCI Communication Corp. Phone Number: 907–868–5615

**DBA Fax Number:** 907–868–9817

Name:

Street: 2550 Denali St, Ste 1000 E-Mail: gcilicensemanager@gci.com

City: Anchorage State: AK

**Country:** USA **Zipcode:** 99503 –2737

**Attention:** Ms Cynthia L Hall

9–16. Name of Contact Representative

Name: Cynthia L Hall Phone Number: 907–868–5615

**Company:** GCI Communication Corp. **Fax Number:** 907–868–9817

Street: 2550 Denali St, Ste 1000 E-Mail: chall@gci.com

City: Anchorage State: AK

Country: USA Zipcode: 99503-

Attention: Relationship:

### **CLASSIFICATION OF FILING**

17. Choose the button next to the classification that applies to this filing for both questions a. and b. Choose only one for 17a and only one for 17b.  a.  a.  a1. Earth Station (N/A) a2. Space Station	b. 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 (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 (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
17a. Is a fee submitted with this applicant	(N/A) b14. Modifiction of Database Entry
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 Noncomme	rcial educational licensee
Other(please explain):	
17d.	
Fee Classification CMO – Receive Only E.	arth Station

<ul><li>18. If this filing is in reference to an existing station, enter:</li><li>(a) Call sign of station:</li><li>Not Applicable</li></ul>	<ul><li>19. If this filing is an amendment to a pending (a) Date pending application was filed:</li><li>Not Applicable</li></ul>	ng application enter:  (b) File number of pending application:  Not Applicable
YPE OF SERVICE		
20. NATURE OF SERVICE: This filing i	s for an authorization to provide or use the follow	wing type(s) of service(s): Select all that apply:
a. Fixed Satellite		
b. Mobile Satellite		
C Radiodetermination Satellite		

C. Radiodeternination Saternite	
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	22. If earth station applicant, check all that apply.
only one.	■ Using U.S. licensed satellites
Common Carrier     Non–Common Carrier	Using Non–U.S. licensed satellites
23. If applicant is providing INTERNATIONAL COMMON CARRIER s	service, see instructions regarding Sec. 214 filings. Choose one. Are these
facilities:	
Connected to a Public Switched Network Not connected	to a Public Switched Network N/A

24. FREQUENCY BAND(S): Place an "X" in the box(es) next to all applicable frequency band(s).
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:
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
<b>1</b>

#### 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.	C	Yes	<b>⊚</b> No	D.
ALIEN OWNERSHIP Earth station applicants not proposing to provide broadcast, common carrier, aerona aeronautical fixed radio station services are not required to respond to Items 30–34.	utical e	n route	or	
29. Is the applicant a foreign government or the representative of any foreign government?	O Yes	s <b>⊚</b> N	0	
30. Is the applicant an alien or the representative of an alien?	O Yes	6 <b>6</b> N	o <b>o</b> N	J/A
31. Is the applicant a corporation organized under the laws of any foreign government?	O Yes	s <b>⊚</b> N	о <b>о</b> <sup>N</sup>	J/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?	O Yes	6 N	o <b>o</b> N	I/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?	O Yes ● N	To O 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.	<b>○</b> 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.	<b>○</b> 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.	O Yes	<b>⊚</b> 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	<b>⊚</b> 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	<b>⊘</b> 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.	<b>⊚</b> 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.	• Yes	No
42b. What administration has licensed or is in the process of licensing the space station? If no license will be issued coordinated or is in the process of coordinating the space station?	l, what administi	ration has
43. Description. (Summarize the nature of the application and the services to be provided). (If th not appear in this box, please go to the end of the form to view it in its entirety.)	e complete desc	ription does
Video/data distribution		

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.	<b>●</b> 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 description and technical analysis demonstrating this claim are attached.	<b>o</b> 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.

Individual				
<ul> <li>Unincorporated Association</li> </ul>				
Partnership				
Corporation				
Governmental Entity				
Other (please specify)				
45. Name of Person Signing		46. Title of Person Signing	Engineer	
45. Name of Person Signing Jimmy Sipes		46. Title of Person Signing VP, Network Services and Chief	Engineer	
Jimmy Sipes			Engineer	
Jimmy Sipes  47. Please supply any need attach		VP, Network Services and Chief		
Jimmy Sipes	nments.  Attachment 2:			
Jimmy Sipes  47. Please supply any need attach		VP, Network Services and Chief		
Jimmy Sipes  47. Please supply any need attach		VP, Network Services and Chief		
Jimmy Sipes  47. Please supply any need attach  Attachment 1:  WILLFUL FALSE ST	Attachment 2:	VP, Network Services and Chief	nent 3:	NT

#### 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: Rx–Only E5. Call Sign:

E2: Contact Name GCI TAC E6. Phone 907–868–5555

Number:

E3. Street: 1604 Seward Hwy E7. City: Seward

E8. County:

E4. State AK E9. Zip Code 99664

E10. Area of Operation: Seward

E11. Latitude: 60 °7 '20.55 "N

E12. Longitude: 149 °26 '20.05 "W

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

E14. Site Elevation (AMSL): 7.6 meters

E15. If the proposed antenna(s) operate in the Fixed Satellite Service (FSS) with geostationary satellites, do(es) the proposed antenna(s) comply with the antenna gain patterns specified in Section 25.209(a) and (b) as demonstrated by the manufacturer's qualification measurement? If NO, provide as a technical analysis showing compliance with two–degree spacing policy.	<b>●</b> Yes	O No	O N/A
E16. If the proposed antenna(s) do not operate in the Fixed Satellite Service (FSS), or if they operate in the Fixed Satellite Service (FSS) with non–geostationary satellites, do(es) the proposed antenna(s) comply with the antenna gain patterns specified in Section 25.209(a2) and (b) as demonstrated by the manufacturer's qualification measurements?	<b>O</b> Yes	O No	<b>⊚</b> N/A
E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.	Yes	٥	No
E18. Is frequency coordination required? If YES, attach a frequency coordination report as	● Yes	0	No
E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as	O Yes	•	No
E20. FAA Notification – (See 47 CFR Part 17 and 47 CFR part 25.113(c)) Where FAA notification is required, have you attached a copy of a completed FCC Form 854 and or the FAA's study regarding the potential hazard of the structure to aviation? FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL RESULT IN THE RETURN OF THIS APPLICATION.	<b>●</b> Yes	0	No
POINTS OF COMMUNICATION			
Satellite Name:OTHER   OTHER   If you selected OTHER, please enter the following:			

E21. Common Name: ALSAT	E22. ITU Name:
E23. Orbit Location:	E24. Country: USA

# 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)
Rx-Only	3386	1	Andrew	ES73	7.3	48.3 dBi at 4.0
	3385		Scientific-Atlanta	8345	4.5	44.3 dBi at 3.95
	3384		Anixter	ES40200SD	5.0	44.0 dBi at 3.95
	3382		Scientific-Atlanta	8345	4.5	44.3 dBi at 3.95
	3380		Anixter	ES40200SD	5.0	44.0 dBi at 3.95

Id	Diameter Minor/Major	E35. Above Ground Level  (meters)	(meters)	Height Above Ground Level 	Input Power at antenna flange (Watts)	Maximum Antenna Height	E40. Total EIRP for al carriers (dBW)
3386	0.0/0.0	8.0	15.6	0.0	0.0	0.0	0.0

3385	0.0/0.0	5.2	12.8	0.0	0.0	0.0	0.0
3384	0.0/0.0	5.2	12.8	0.0	0.0	0.0	0.0
3382	0.0/0.0	8.0	15.6	0.0	0.0	0.0	0.0
3380	0.0/0.0	5.2	12.8	0.0	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)
3386	3700.000 4200.000	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.)

Phase modulated voice, video, and data services.

Ī	3386	3700.000	R	Horizontal and	45K0G7W	0.0	0.0
		4200.000		Vertical			

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.)

Phase modulated voice, video, and data services.

3386	3700.000 4200.000	R	Horizontal and Vertical	36M0D7W	0.0	0.0
E50. Modulation entirety.)	and Services (If	the complete de	scription does not appear	in this box, please	go to the end of t	he form to view it in its
Phase and	amplitude mod	dulated void	ce, video, and dat	ca services.		
3386	3700.000 4200.000	R	Horizontal and Vertical	45K0D7W	0.0	0.0
3385	3700.000 4200.000	R	Horizontal and Vertical	36M0G7W	0.0	0.0
E50. Modulation entirety.)  Phase modu			data services.	in this box, please	go to the end of t	the form to view it in its

		Vertical			
tion and Services (	If the complete de	escription does not appear	in this box, please	go to the end of t	he form to view it in its
odulated voice	, video, and	data services.			
3700.000 4200.000	R	Horizontal and Vertical	36M0D7W	0.0	0.0
3700.000 4200.000	R	Horizontal and Vertical	45K0D7W	0.0	0.0
`				go to the end of t	he form to view it in its
nd amplitude mo	odulated voi	ce, video, and dat	ca services.		
וו	3700.000 4200.000 Ition and Services (and amplitude model 3700.000 4200.000 Ition and Services (and	3700.000 R  tion and Services (If the complete de modulated voi amplitude modulated voi 4200.000 R  3700.000 R  4200.000 (If the complete de modulated voi amplitude modulated	4200.000 Vertical  Ition and Services (If the complete description does not appear  and amplitude modulated voice, video, and date  3700.000 R Horizontal and Vertical  Ition and Services (If the complete description does not appear	3700.000 R Horizontal and Vertical 36M0D7W Vertical with tion and Services (If the complete description does not appear in this box, please and amplitude modulated voice, video, and data services.    3700.000   R   Horizontal and Vertical   45K0D7W   4200.000   R     Vertical   45K0D7W   4200.000   R     Vertical   45K0D7W   4200.000   R     Vertical   45K0D7W   4200.000   R     Vertical   45K0D7W   4200.000   R   Vertical	3700.000 R Horizontal and Vertical 36M0D7W 0.0  tion and Services (If the complete description does not appear in this box, please go to the end of the amplitude modulated voice, video, and data services.    3700.000 R Horizontal and Vertical   45K0D7W   0.0     4200.000   1   1   1   1   1   1   1   1   1

3384	3700.000 4200.00	R	Horizontal and Vertical	36M0G7W	0.0	0.0
E50. Modulation entirety.)	and Services (If t	he complete descript	ion does not appear	in this box, please	go to the end of t	the form to view it in its
Phase modu	lated voice, v	video, and dat	a services.			
3384	3700.000 4200.000	R	Horizontal and Vertical	45K0G7W	0.0	0.0
Phase modu	lated voice, v	video, and dat	a services.			
3384	3700.000 4200.000	R	Horizontal and Vertical	36M0D7W	0.0	0.0
E50. Modulation entirety.)	and Services (If t	he complete descript	ion does not appear	in this box, please	go to the end of t	the form to view it in its
Phase and	amplitude modu	ulated voice,	video, and dat	a services.		

3384	3700.000 4200.000	R	Horizontal and Vertical	45K0D7W	0.0	0.0
E50. Modulation entirety.)	and Services (If	the complete de	escription does not appear	in this box, please	go to the end of t	the form to view it in its
Phase and	amplitude mod	lulated void	ce, video, and dat	a services.		
3382	3700.000 4200.000	R	Horizontal and Vertical	36M0G7W	0.0	0.0
3382	3700.000 4200.000	R	Horizontal and Vertical	45K0G7W	0.0	0.0
E50. Modulation entirety.)  Phase modu			data services.	in this box, please	go to the end of t	he form to view it in its

3382	3700.000 4200.000	R	Horizontal and Vertical	36M0D7W	0.0	0.0
E50. Modulation entirety.)	and Services (If	the complete de	scription does not appear	in this box, please	go to the end of t	he form to view it in its
Phase and	amplitude mod	ulated voic	e, video, and dat	a services.		
3382	3700.000 4200.000	R	Horizontal and Vertical	45K0D7W	0.0	0.0
3380	3700.000 4200.000	R	Horizontal and Vertical	36M0G7W	0.0	0.0
E50. Modulation entirety.)  Phase modu			data services.	in this box, please	go to the end of t	he form to view it in its

3380	3700.000 4200.000	R	Horizontal and Vertical	45K0G7W	0.0	0.0
E50. Modulation entirety.)	on and Services (	If the complete de	escription does not appear	in this box, please	go to the end of t	he form to view it in its
	lulated voice,	, video, and	data services.			
3380	3700.000 4200.000	R	Horizontal and Vertical	36M0D7W	0.0	0.0
3380	3700.000 4200.000	R	Horizontal and Vertical	45K0D7W	0.0	0.0
1						
entirety.)			escription does not appear		go to the end of t	he form to view it in its

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)
3386	Geostationary	3700.00 4200.00	88.0/211.0	115.3	5.1	244.8	5.1	0.0
3385	Geostationary	3700.00 4200.00	88.0/211.0	115.3	5.1	244.8	5.1	0.0
3384	Geostationary	3700.00 4200.00	88.0/211.0	115.3	5.1	244.8	5.1	0.0
3382	Geostationary	3700.00 4200.00	88.0/ 211.0	115.3	5.1	244.8	5.1	0.0
3380	Geostationary	3700.00 4200.00	88.0/211.0	115.3	5.1	244.8	5.1	0.0

## REMOTE CONTROL POINT LOCATION

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

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