Approved by OMB
3060−0678

Date & Time Filed: Sep 29 2022 4:11:31:290PM
File Number: SES−AMD−INTR2022−03104

FCC APPLICATION FOR SPACE AND EARTH STATION:MOD OR AMD − MAIN FORM 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:
Alaska Comms Mod − Seven Earth Stations

1−8. Legal Name of Applicant

Name:	Alaska Communications Internet, LLC	**Phone Number:**	907−297−3130
DBA Name:		**Fax Number:**	
Street:	600 Telephone Avenue MS #60	**E−Mail:**	regaffair@acsalaska.com
City:	Anchorage	**State:**	AK
Country:	USA	**Zipcode:**	99515 −
Attention:	Lisa Phillips		

Emmonak	6360.49	6425	T	Horizontal and Vertical	13M0G7W	57.721	26.34

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.)

Digital

Emmonak	6360.49	6425	T	Horizontal and Vertical	5M50G7W	57.721	26.34

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.)

Digital

Emmonak	5989.85 6048.8		T	Horizontal and Vertical	13M0G7W	57.721	26.34

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.)

Digital

Emmonak	5989.85 6048.8	T	Horizontal and Vertical	5M50G7W	57.721	26.34

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.)

Digital

Emmonak	6108.45 6182.24	T	Horizontal and Vertical	13M0G7W	57.721	26.34

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.)

Digital

Emmonak	6108.45 6182.24	T	Horizontal and Vertical	5M50G7W	57.721	26.34

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.)

Digital

Emmonak	6241.89 6271.19	T	Horizontal and Vertical	13M0G7W	57.721	26.34

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.)

Digital

Emmonak	6241.89 6271.19	T	Horizontal and Vertical	5M50G7W	57.721	26.34

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.)

Digital

Emmonak	6301.19 6330.49	T	Horizontal and Vertical	13M0G7W	57.721	26.34

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.)

Digital

Emmonak	6301.19 6330.49	T	Horizontal and Vertical	5M50G7W	57.721	26.34

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.)

Digital

FREQUENCY COORDINATION

E28. Antenna Id	**E51. Satellite Orbit Type**	**E52/53. Frequency Limits(MHz)**	**E54/55. Range of Satellite Arc Eastern/Western 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)**
Emmonak	Geostationary	3700 4200	95.0/191.0	108.36	0.52	209.25	15.82	0.0
	Geostationary	5925 5930.2	95.0/191.0	108.36	0.52	209.25	15.82	−23.5622
	Geostationary	6360.49 6425	95.0/191.0	108.36	0.52	209.25	15.82	−23.5622
	Geostationary	5989.85 6048.8	95.0/191.0	108.36	0.52	209.25	15.82	−23.5622
	Geostationary	6108.45 6182.24	95.0/191.0	108.36	0.52	209.25	15.82	−23.5622
	Geostationary	6241.89 6271.19	95.0/191.0	108.36	0.52	209.25	15.82	−23.5622

	Geostationary	6301.19 6330.49	95.0/191.0	108.36	0.52	209.25	15.82	−23.5622

REMOTE CONTROL POINT LOCATION

E61. Call Sign NOTE: Please enter the callsign of the controlling station, not the callsign for which this application is being filed.			E66. Phone Number
E62. Street Address			
E63. City	E68. County	E67/68. State/Country /	E64. Zip Code

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:	Alakanuk School	E5. Call Sign:	E170205
E2: Contact Name	Greg Tooke	E6. Phone Number:	907−550−8364
E3. Street:	9 Anderson St	E7. City:	Alakanuk
		E8. County:	Kusilvak Census Area
E4. State	AK	E9. Zip Code	99554
E10. Area of Operation:		Lower Yukon School District	
E11. Latitude:	62 °41 ’5.3 "N		
E12. Longitude:	164 °40 ’9.6 "W		
E13. Lat/Lon Coordinates are:		○ NAD−27	◉ NAD−83 ○ N/A
E14. Site Elevation (AMSL):		3.05 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.	○ Yes ◉ No ○ 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?	○ Yes No N/A

E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.	○ Yes ◉ No

E18. Is frequency coordination required? If YES, attach a frequency coordination report as Technical Appendix	◉ Yes ○ No
E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as	○ 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.	○ Yes ◉ No

POINTS OF COMMUNICATION

Satellite Name: GALAXY 30 (S3016) | | 125 W.L. If you selected OTHER, please enter the following:	
E21. Common Name:	E22. ITU Name:
E23. Orbit Location:	E24. Country:

Satellite Name: EUTELSAT115WB(S2938) | EUTELSAT 115 WB | 114.9 W.L. If you selected OTHER, please enter the following:	
E21. Common Name:	E22. ITU Name:
E23. Orbit Location:	E24. Country:

Satellite Name: AMC−6 (S2347) | AMC−6 | 139.0 W.L. 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>**	**E41/42. Antenna Gain Transmint and/or Recieve (____dBi at _____GHz)**	
Alakanuk School	Alakanuk	1	General Dynamics	Prodelin 1240	2.4	34.7 dBi at 3.950	
Alakanuk School	Alakanuk	1	General Dynamics	Prodelin 1240	2.4	41.7 dBi at 6.175	
Alakanuk School	Alakanuk	1	General Dynamics	Prodelin 1240	2.4	41.7 dBi at 6.175	
Alakanuk School	Alakanuk	1	General Dynamics	Prodelin 1240	2.4	41.7 dBi at 6.175	
Alakanuk School	Alakanuk	1	General Dynamics	Prodelin 1240	2.4	41.7 dBi at 6.175	
Alakanuk School	Alakanuk	1	General Dynamics	Prodelin 1240	2.4	41.7 dBi at 6.175	
Alakanuk School	Alakanuk	1	General Dynamics	Prodelin 1240	2.4	41.7 dBi at 6.175	

E28. Antenna Id	E33/34. Diameter Minor/Major (meters)	E35. Above Ground Level (meters)	E36. Above Sea Level(meters)	E37. Building Height Above Ground Level (meters)	E38. Total Input Power at antenna flange (Watts)	E39. Maximum Antenna Height Above Rooftop (meters)	E40. Total EIRP for al carriers(dBW)
Alakanuk	0.0/0.0	2.0	5.05	0.0	40.0	0.0	57.721

FREQUENCY

E28. Antenna Id	E43/44. Frequency Bands (MHz)	E45. T/R Mode	E46. Antenna Polarization(H,V, L,R)	E47. Emission Designator	E48. Maximum EIRP per Carrier (dBW)	E49. Maximum ERIP Density per Carrier (dBW/4kHz)
Alakanuk	3700 4200	R	Horizontal and Vertical	5M50G7W	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.)

Digital

Alakanuk	3700 4200	R	Horizontal and Vertical	72M0G7W	0.0	0.0

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Digital

Alakanuk	5925 5930.2	T	Horizontal and Vertical	13M0G7W	57.721	26.34

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Digital

Alakanuk	5925 5930.2	T	Horizontal and Vertical	5M50G7W	57.721	26.34

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.)

Digital

Alakanuk	6360.49 6425	T	Horizontal and Vertical	13M0G7W	57.721	26.34

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Alakanuk	6360.49 6425	T	Horizontal and Vertical	5M50G7W	57.721	26.34

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Digital

Alakanuk	5989.85 6019.15	T	Horizontal and Vertical	13M0G7W	57.721	26.34

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Digital

Alakanuk	5989.85 6019.15	T	Horizontal and Vertical	5M50G7W	57.721	26.34

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.)

Digital

Alakanuk	6108.45 6182.24	T	Horizontal and Vertical	13M0G7W	57.721	26.34

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Alakanuk	6241.89 6271.19	T	Horizontal and Vertical	13M0G7W	57.721	26.34

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Alakanuk	Geostationary	3700 4200	95.0/191.0	108.22	0.49	209.12	15.94	0.0
	Geostationary	5925 5930.2	95.0/191.0	108.22	0.49	209.12	15.94	−12.6502
	Geostationary	6360.49 6425	95.0/191.0	108.22	0.49	209.12	15.94	−12.6502
	Geostationary	5989.85 6019.15	95.0/191.0	108.22	0.49	209.12	15.94	−12.6502
	Geostationary	6108.45 6182.24	95.0/191.0	108.22	0.49	209.12	15.94	−12.6502
	Geostationary	6241.89 6271.19	95.0/191.0	108.22	0.49	209.12	15.94	−12.6502
	Geostationary	6301.19 6330.49	95.0/191.0	108.22	0.49	209.12	15.94	−12.6502

REMOTE CONTROL POINT LOCATION

E61. Call Sign

E66. Phone Number

NOTE: Please enter the callsign of the controlling station, not the callsign for which this application is being filed.

E62. Street Address

E63. City	E68. County	E67/68. State/Country /	E64. Zip Code

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