Date & Time Filed: Apr 8 2008 6:55:07:590PM File Number: SES-MOD-INTR2008-00846

FCC APPLICATION FOR SPACE AND EARTH STATION:MOD OR AMD – MAIN FORM	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: E930320 Modification to add 6006 Antenna for ESV Authorization

egal Name of A	pplicant		
Name:	Vizada, Inc.	Phone Number:	301-838-7807
DBA Name:		Fax Number:	301-838-7807
Street:	1101 Wootton Parkway	E-Mail:	robert.swanson@vizada.com
	10th Floor		
City:	Rockville	State:	MD
<b>Country:</b>	USA	Zipcode:	20852 –
Attention:	Mr Robert W Swanson		

9–16. Name of Contact Representative

Name: Vizada, Inc. Phone Number: 301–838–7909

**Company: Fax Number:** 301–838–7752

Street: 1101 Wootton Parkway E-Mail: james.lovelace@vizada.com

City: Rockville State: MD

Country: USA Zipcode: 20852–

**Attention:** James G. Lovelace **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 one for 17a and only one for 17b.

a1. Earth Station

a2. Space Station

(N/A) b1. Application for License of New Station

(N/A) b2. Application for Registration of New Domestic Receive-Only Station

**b** 3. Amendment to a Pending Application

**b**4. Modification of License or Registration

b5. Assignment of License or Registration

b6. Transfer of Control of License or Registration

**b**7. 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

(N/A) b10. Other (Please specify)

(N/A) 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

(N/A) b12. Application for Database Entry

b13. Amendment to a Pending Database Entry Application

b14. Modification 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).  Governmental Entity  Noncommercial educational licensee  Other(please explain):				
17d.				
Fee Classification CGX – Fixed Satellite 7 Station	Transmit/Receive Earth			
18. If this filing is in reference to an existing station, enter:	19. If this filing is an amendment to a pending apmodification please enter only the file number:	oplication enter both fields, if this filing is a		
(a) Call sign of station: E930320	(a) Date pending application was filed:	(b) File number:		
		SESMOD2007031400353		

# TYPE OF SERVICE

20. NATURE OF SERVICE: This filing is for an authorization to provide 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) ESV
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 Von—Common Carrier Using Non—U.S. licensed satellites
23. If applicant is providing INTERNATIONAL COMMON CARRIER 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: (Please specify additional frequencies in an attachment)

# 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	
e. Geostationary Space Station	
f. Non–Geostationary Space Station	
g. Other (please specify)	
26. TYPE OF EARTH STATION FACILITY:	
Transmit/Receive Transmit-Only Receive-Only N/A	
"For Space Station applications, select 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.)
a — authorization to add new emission designator and related service
b — authorization to change emission designator and related service
c — authorization to increase EIRP and EIRP density
d — authorization to replace antenna
e — authorization to add antenna
f — authorization to relocate fixed station
g — authorization to change frequency(ies)
h — authorization to add frequency
i — authorization to add Points of Communication (satellites & Double
j — authorization to change Points of Communication (satellites & Double of Communication (satellites & Doub
k — authorization for facilities for which environmental assessment and
radiation hazard reporting is required
1 — authorization to change orbit location
m — authorization to perform fleet management
n — authorization to extend milestones
o — Other (Please specify)

### **ENVIRONMENTAL POLICY**

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.		RadI	Haz S	Study		
ALIEN OWNERSHIP Earth station applicants not proposing to provide broadcast, common carrier, aeronaeronautical fixed radio station services are not required to respond to Items 30–34.	autic	cal en	rou	te or		
29. Is the applicant a foreign government or the representative of any foreign government?	0	Yes	•	No		
30. Is the applicant an alien or the representative of an alien?	0	Yes	•	No	0	N/A
31. Is the applicant a corporation organized under the laws of any foreign government?	0	Yes	•	No	0	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?	0	Yes	•	No	0	N/A

O Yes O No

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

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.	Ownership Statement
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	<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	• 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	<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	Yes	O No
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.		
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	O No
42b. What administration has licensed or is in the process of licensing the space station? If no license will be issued, we coordinated or is in the process of coordinating the space station? No change in satellites authorized for ESV-All on A		

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

By this application applicant Vizada, Inc. (Vizada, formerly Telenor Satellite, Inc. and Vizada Satellite, Inc.) seeks authority to add up to 350 SeaTel model 6006 1.5 meter remote ESV antennas to its authorization to provide ESV service via its Santa Paula, CA teleport, call sign E930320. These remote ESVs will be located on vessels traveling in U.

Compliance&Exhibits

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.

44. Applicant is a (an): (Choose the button next to app				
o Individual				
Unincorporated Association				
O Partnership				
Corporation				
O Governmental Entity				
Other (please specify)				
-				
	46. Title of Person Signing			
45. Name of Person Signing	Security Officer			
45. Name of Person Signing James G. Lovelace	Security Officer			
	Security Officer			
James G. Lovelace	Security Officer			

(U.S. Code, Title 47, Section 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503).

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

Location of Earth St	ation Site						
E1: Site Identifier:	Ku-Band ESV Remotes	E5. Call Sign:	E930320				
E2: Contact Name	Mike Whiteford	E6. Phone Number:	805-933-4000				
E3. Street:		E7. City:					
		E8. County:					
E4. State		E9. Zip Code					
E10. Area of Operat	ion:	U.S. and international waters					
E11. Latitude:	0 °0 '0.0 "						
E12. Longitude:	0 °0 '0.0 "						
E13. Lat/Lon Coord	linates are:	O NAD-27	<b>●</b> NAD-83	O N/A			
E14. Site Elevation	(AMSL):	0.0 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.

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	O Yes	O No	<b>⊚</b> N/A	
E17. Is the facility operated by remote control? If YES, provide the loca point.	ntion and telephone number of the control	Yes	٥	No	
E18. Is frequency coordination required? If YES, attach a frequency coordination	ordination report as	O Yes	•	No	
E19. Is coordination with another country required? If YES, attach the recoordination contours as	name of the country(ies) and plot of	O Yes	•	No	
E20. FAA Notification – (See 47 CFR Part 17 and 47 CFR part 25.1 have you attached a copy of a completed FCC Form 854 and/or the FAA the structure to aviation?  FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL APPLICATION.	A's study regarding the potential hazard of	O Yes	•	No	
POINTS OF COMMUNICATION		ļ			
Satellite Name: SATMEX-5   SATMEX-5   116.8 W.L. If you selected	ed OTHER, please enter the following:				
E21. Common Name:	E22. ITU Name:				
E23. Orbit Location:	6. Orbit Location: E24. Country:				
Satellite Name: ALSAT   ALL AUTHORIZED U.S.   ALSAT   If you s	relected OTHER please enter the following:				

E21. Common N	ame:			E22. ITU Name:					
E23. Orbit Locati	ion:			E24. Country:					
L				·!					
Satellite Name: O	THER   OTHER	If you selected	OTHER, please e	nter the following:	:				
E21. Common N	ame: ALSAT-PEI	RMITTED LIST		E22. ITU Name:	:				
E23. Orbit Locati	ion:			E24. Country:	USA				
POINTS OF C	COMMUNICATI	ON (Destination	Points)						
E25. Site Identifi	er: Ku–Band ESV	Remotes							
E26. Common N	ame:			E27. Country:	USA				
				•					
E25. Site Identifier: Ku–Band ESV Remotes									
E26. Common N	ame:			E27. Country: USA					
				•					
E25. Site Identifi	er: Ku-Band ESV	Remotes							
E26. Common N	ame: ALSAT-PER	RMITTED LIST		E27. Country: USA					
ANTENNA				•					
Site ID	E28. Antenna Id	E29. Quantity	E30. Manufacturer	E31. Model	E32. Antenna Size <meters></meters>	E41/42. Antenna Gain Transmint and/or Recieve (dBi atGHz)			
Ku-Band ESV Remotes	SeaTel6006	350	SeaTel	6006	1.5	42.5 dBi at 12.00			

6006

1.5

43.5 dBi at 14.20

Ku-Band ESV

Remotes

SeaTel6006

350

SeaTel

Id	Diameter		, ,	Height Above Ground Level	Input Power at	E39. Maximum Antenna Height Above Rooftop (meters)	EIRP for al
SeaTel6006	1.5/1.5	0.0	0.0	0.0	7.13	0.0	52.0

# FREQUENCY

	E43/44. Frequency Bands (MHz)	E45. T/R Mode			E48. Maximum EIRP per Carrier (dBW)	E49. Maximum ERIP Density per Carrier (dBW/4kHz)
SeaTel6006	10950 11200	R	Horizontal and Vertical	44KG1W	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.)

SCPC using QPSK and BPSK modulation

SeaTel6006	10950	R	Horizontal and	89KG1W	0.0	0.0
	11200		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.)

SCPC using QPSK and BPSK modulation

SeaTel6006	10950 11200	R	Horizontal and Vertical	1M43G1W	0.0	0.0
E50. Modulation entirety.)	and Services (If the	ne complete descripti	on does not appear	in this box, please	go to the end of t	the form to view it in its
SCPC using	QPSK and BPSK	modulation				
SeaTel6006	10950 11200	R	Horizontal and Vertical	2M35G1W	0.0	0.0
SCPC using	QPSK and BPSK	modulation				
SeaTel6006	10950 11200	R	Horizontal and Vertical	717KG1W	0.0	0.0
E50. Modulation entirety.)	and Services (If the	ne complete descripti	on does not appear	in this box, please	go to the end of t	the form to view it in its
SCPC using	QPSK and BPSK	modulation				

SeaTel6006	11450 12200	R	Horizontal and Vertical	1M43G1W	0.0	0.0
E50. Modulation entirety.)	and Services (If the	e complete descripti	ion does not appear	in this box, please	go to the end of t	the form to view it in its
SCPC using	QPSK and BPSK	modulation				
SeaTel6006	11450 12200	R	Horizontal and Vertical	2M35G1W	0.0	0.0
SCPC using	QPSK and BPSK	modulation				
SeaTel6006	11450 12200	R	Horizontal and Vertical	44K8G1W	0.0	0.0
E50. Modulation entirety.)	and Services (If the	e complete descripti	ion does not appear	in this box, please	go to the end of t	the form to view it in its
SCPC using	QPSK and BPSK	modulation				

SeaTel6006	11450 12200	R	Horizontal and Vertical	717KG1W	0.0	0.0
E50. Modulation entirety.)	and Services (If the	ne complete descrip	otion does not appear	in this box, please	go to the end of the	he form to view it in its
SCPC using	g QPSK and BPSK	modulation				
SeaTel6006	11450 12200	R	Horizontal and Vertical	89K6G1W	0.0	0.0
SCPC using	g QPSK and BPSK	modulation				
SeaTel6006	14000 14500	Т	Horizontal and Vertical	1M43G1W	55.0	29.5
E50. Modulation entirety.)	and Services (If the		otion does not appear	in this box, please	go to the end of the	he form to view it in its

SeaTel6006	14000 14500	Т	Horizontal and Vertical	2M35G1W	57.2	29.5
E50. Modulation entirety.)	and Services (If t	he complete des	cription does not appear	in this box, please	go to the end of th	ne form to view it in its
SCPC using	g QPSK and BPSI	K modulatio	n			
SeaTel6006	14000 14500	Т	Horizontal and Vertical	44K8G1W	40.0	29.5
SCPC using	g QPSK and BPSI	K modulatio	n			
SeaTel6006	14000 14500	Т	Horizontal and Vertical	717KG1W	52.0	29.5
E50. Modulation entirety.)	and Services (If t	he complete des	cription does not appear	in this box, please	go to the end of th	ne form to view it in its
SCPC using	g QPSK and BPSI	K modulatio	n			

SeaTel6006	14000 14500	Т	Horizontal and Vertical	89K6G1W	43.0	29.5
E50. Modulation entirety.)	and Services (If the	ne complete descripti	ion does not appear	in this box, please	go to the end of the	he form to view it in its
SCPC using	g QPSK and BPSK	modulation				
SeaTel6006	10950 11200	R	Horizontal and Vertical	36MOG7W	0.0	0.0
SCPC and T	TDM/TDMA using	QPSK and BPSK	modulation			
SeaTel6006	10950 11200	R	Horizontal and Vertical	81K0G7W	0.0	0.0
E50. Modulation entirety.)	and Services (If the	ne complete descripti	ion does not appear	in this box, please	go to the end of the	he form to view it in its
SCPC and T	TDM/TDMA using	QPSK and BPSK	modulation			

SeaTel6006	11450 12200	R	Horizontal and Vertical	36M0G7W	0.0	0.0
E50. Modulatio entirety.)	n 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
SCPC and	TDM/TDMA using	QPSK and I	BPSK modulation			
SeaTel6006	11450 12200	R	Horizontal and Vertical	81K0G7W	0.0	0.0
SCPC and	TDM/TDMA using	QPSK and I	BPSK modulation			
SeaTel6006	14000 14500	Т	Horizontal and Vertical	194KG7W	46.4	29.5
E50. Modulatio entirety.)	n 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
SCPC and	TDM/TDMA using	QPSK and I	BPSK modulation			

SeaTel6006	14000 14500	Т	Horizontal and Vertical	291KG7W	48.1	29.5
E50. Modulation entirety.)	n and Services (If	the complete des	scription does not appear	in this box, please	go to the end of the	he form to view it in its
SCPC and	TDM/TDMA using	QPSK and E	3PSK modulation			
SeaTel6006	14000 14500	Т	Horizontal and Vertical	388KG7W	49.1	29.2
SCPC and	TDM/TDMA using	QPSK and E	3PSK modulation			
SeaTel6006	14000 14500	Т	Horizontal and Vertical	81K0G7W	42.5	29.5
E50. Modulation entirety.)	n and Services (If	the complete des	scription does not appear	in this box, please	go to the end of the	he form to view it in its
SCPC and	TDM/TDMA using	QPSK and E	BPSK modulation			

SeaTel6006	14000 14500	Т		Horizontal and Vertical	97K0G7W	43.4		29.5
E50. Modula entirety.)	ation and Service	es (If the com	plete descriptio	n does not appear	in this box, plea	se go to the en	nd of the form	n to view it in its
	d TDM/TDMA		and BPSK n	nodulation				
FREQUENCY	COORDINA	ΓΙΟΝ						
E28. Antenna Id	E51. Satellite Orbit Type	E52/53. Frequency Limits(MHz)	E54/55. Range of Satellite Arc Eastern/West ern Limit	0	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)
			/					
REMOTE CO	NTROL POIN	T LOCATION	•					
	gn se enter the calls ch this applicati			805-	. Phone Number -933–4000			
E62. Street A 7676 Pine G				1				
E63. City Santa Paula			E68. County Ventura			E67/68. E64. Zip State/Country 93060 CA/ USA		E64. Zip Code 93060

#### FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT

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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.

#### 43. Description. (Summarize the nature of the application and the services to be provided).

By this application applicant Vizada, Inc. (Vizada, formerly Telenor Satellite, Inc. and Vizada Satellite, Inc.) seeks authority to add up to 350 SeaTel model 6006 1.5 meter remote ESV antennas to its authorization to provide ESV service via its Santa Paula, CA teleport, call sign E930320. These remote ESVs will be located on vessels traveling in U.S. and international waters. They will operate with a hub antenna at Santa Paula that has already been licensed by the commission and will be utilized to provide ESV service as previously authorized by the commission.