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:

New C-band 16.4 Meter and Ku-band 9 meter ES antennas at Chesapeake, Va.

ame:	ROME RESEARCH CORP	Phone Number:	315-339-0491
DBA Name:		Fax Number:	315–339–1192
Street:	314 S JAY ST	E–Mail:	
City:	ROME	State:	NY
Country:	USA	Zipcode:	13440 –
Attention:	Tom harding		

9–16. Name of Contact Representative (If other than applicant)

Name: Tom Harding Phone Number: 315–339–0491

Company: ROME RESEARCH CORP Fax Number: 315–339–1192

Street: 314 S JAY ST E-Mail:

City: ROME State: NY

Country: USA Zipcode: 13440–

Contact Project Manager Relationship: Same

Title:

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.

a1. Earth Station

(N/A) a2. Space Station

b1. Application for License of New Station

6 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

o b10. Other (Please specify)

17c. Is a fee submitted with this applicate If Yes, complete and attach FCC Form Governmental Entity Noncomme Other(please explain):	159. If No, indicate reason for fee exemption ((see 47 C.F.R.Section 1.1114).
Fee Classification BAX – Fixed Satellite T Station	Transmit/Receive Earth	
18. If this filing is in reference to an existing station, enter:(a) Call sign of station:Not Applicable	19. If this filing is an amendment to a pending (a) Date pending application was filed: Not Applicable	application enter: (b) File number of pending application: Not Applicable
TYPE OF SERVICE 20. NATURE OF SERVICE: This filing is for	or an authorization to provide or use the following	ng 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	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 facilities:	service, see instructions regarding Sec. 214 filings. Choose one. Are these
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 a	pplicable 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	L

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 Yes No	
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.	
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? O Yes O No O N	'A
30. Is the applicant an alien or the representative of an alien? Yes No No	/A

31. Is the applicant a corporation organized under the laws of any foreign government?	O Yes	No No	O N/A
32. Is the applicant a corporation of which any officer or director is an alien or 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	⊗ No	o o ^{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?	O Yes	No	o 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.	٥	Yes	No 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	⊚ 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	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	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	⊚ 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.	○ Yes	⊚ No
42b. What administration has licensed or is in the process of licensing the space station? If no license will be issued, w coordinated or is in the process of coordinating the space station?	hat administr	ation has

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.)

License request for two 16.4 meter C-band and two 9 meter Ku-band earth station antennas to support DISA Teleport project.

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.

11	Applicant	ical	(an).	Choose the	hutton nevt	to applicable	recnonce)	
44.	Applicant	18 a 1	(an). ((Choose the	button next	to applicable	e response.)	

- Individual
- Unincorporated Association
- Partnership
- Corporation
- Governmental Entity
- Other (please specify)

45. Name of Person Signing Wilburn O. Jones	• • • • • • • • • • • • • • • • • • •	of Person Signing Director of Communications	
47. Please supply any need attachments.			
Attachment 1:	Attachment 2:	Attachment 3:	
(U.S. Code, Title 18, Sec	tion 1001), AND/OR REVOCATI	NISHABLE BY FINE AND / OR IMPRISONMENT ION OF ANY STATION AUTHORIZATION TURE (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 Station Site

E1: Site Identifier: Chesapeake, Va. E5. Call Sign:

E2: Contact Name James Brink E6. Phone 757 421–8796

Number:

E3. Street: Naval Sat. Comm. E7. City: Chesapeake

Facility, NW

5102 Relay Rd., E8. County: Chesapeake City

Bldg. 352

E4. State VA E9. Zip Code 23322

E10. Area of Operation: Chesapeake, Va.

E11. Latitude: 36 °33 '34.7 "N

E12. Longitude: 76 ° 16 '4.6 "W

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

E14. Site Elevation (AMSL): 6.09 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.	● Y	es	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?	OY	es	O No)	⊚ N/A
E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.	0,	Yes	•	9	No
E18. Is frequency coordination required? If YES, attach a frequency coordination report as		Yes	(>	No
E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as	0,	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	•	9	No
POINTS OF COMMUNICATION					
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)
Chesapeake, Va.	1C	1	Vertex	16.4 KPC	16.4	54.8 dBi at 4
						59.0 dBi at 6
	2C					54.8 dBi at 4
						59.0 dBi at 6
	1Ku			9 KPK	9.0	58.6 dBi at 11
						60.1 dBi at 14
	2Ku					58.6 dBi at 11
						60.1 dBi at 14

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

1C	/	16.4	22.49	0.0	700.0	0.0	87.4
2C	/	16.4	22.49	0.0	700.0	0.0	87.4
1Ku	/	9.0	15.09	0.0	280.0	0.0	84.57
2Ku	/	9.0	15.09	0.0	280.0	0.0	84.57

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)
1C	3700 4200	R	Left and Right Circular	210KG1D	0.0	0.0

E50. Description of 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 Data Carrier

1C	3700	4200	R	Left and Right	35M5G1D	0.0	0.0
				Circular			

E50. Description of 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 Data Carrier

(If the complete description does not appear	min this have places as to th	
	ar in this box, please go to th	e end of the form to
Left and Right 35M5G1E Circular	87.4	47.9
Left and Right 210KG1D Circular	73.5	56.3
(If the complete description does not appea	ar in this box, please go to th	te end of the form to
	Circular (If the complete description does not appear to the comp	Circular (If the complete description does not appear in this box, please go to the large of th

1C	6080	6299	Т	Left and Right Circular	35M5G1D	87.4	47.9
E50. Description view it in its entirety		ion and S	ervices (If the cor	mplete description do	pes not appear in this	s box, please go to the	end of the form to
Digital Da	ta Carri	.er					
1C	6332	6425	Т	Left and Right Circular	210KG1D	73.5	56.3
Digital Da		.er					
1C	6332	6425	Т	Left and Right Circular	35M5G1D	87.4	47.9
E50. Description view it in its entirety		ion and S	ervices (If the cor	nplete description do	pes not appear in this	s box, please go to the	end of the form to
Digital Da	ta Carri	.er					

2C	3700	4200	R	Left and Right Circular	210KG1D	0.0	0.0
E50. Description view it in its entirety		tion and S	Services (If the	e complete description d	oes not appear in t	his box, please go	to the end of the form to
Digital Da	ta Carr	ier					
2C	3700	4200	R	Left and Right Circular	35M5G1D	0.0	0.0
view it in its entirety Digital Da	•	ier					
2C	5925	6047	Т	Left and Right Circular	210KG1D	73.5	56.3
E50. Description view it in its entirety Digital Da	.)		Services (If the	e complete description d	oes not appear in t	his box, please go	to the end of the form to

2C	5925	6047	Т	Left and Right Circular	35M5G1D	87.4	47.9
E50. Des	scription of Modul s entirety.)	ation and S	Services (If t	he complete description d	oes not appear in t	his box, please go	to the end of the form to
Digit	tal Data Carr	rier					
2C	6080	6299	Т	Left and Right Circular	210KG1D	73.5	56.3
Digit	tal Data Carr	rier					
2C	6080	6299	Т	Left and Right Circular	35M5G1D	87.4	47.9
E50. Des	scription of Modul s entirety.)	ation and S	Services (If t	he complete description d	oes not appear in t	his box, please go	to the end of the form to
Digit	tal Data Carr	rier					

6332	6425	Т	Left and Right Circular	210KG1D	73.5	56.3
	on and S	Services (If the	he complete description d	oes not appear in the	his box, please go	to the end of the form to
Data Carri	er					
6332	6425	Т	Left and Right Circular	35M5G1D	87.4	47.9
10950 11200		R	Left and Right Circular	210KG1D	0.0	0.0
rety.)		Services (If the	he complete description d	oes not appear in the	his box, please go	to the end of the form to
	ion of Modulativety.) Data Carri 6332 ion of Modulativety.) Data Carri 10950 11200 ion of Modulativety.)	ion of Modulation and Strety.) Data Carrier 6332 6425 ion of Modulation and Strety.) Data Carrier 10950 11200 ion of Modulation and S	ion of Modulation and Services (If the rety.) Data Carrier 6332 6425 T ion of Modulation and Services (If the rety.) Data Carrier 10950 R 11200 R ion of Modulation and Services (If the rety.)	Circular ion of Modulation and Services (If the complete description description description) Data Carrier 6332 6425 T Left and Right Circular	Circular ion of Modulation and Services (If the complete description does not appear in trety.) Data Carrier 6332 6425 T	Circular Circular

1Ku	10950 11200	R	Left and Right Circular	35M5G1D	0.0	0.0
E50. Desc view it in its	cription of Modulation entirety.)	and Services (If	the complete description of	loes not appear in t	this box, please g	o to the end of the form to
Digit	al Data Carrier					
1Ku	11450 12200	R	Left and Right Circular	210KG1D	0.0	0.0
Digit	al Data Carrier					
1Ku	11450 12200	R	Left and Right Circular	35M5G1D	0.0	0.0
E50. Desc view it in its	cription of Modulation entirety.)	and Services (If	the complete description of	loes not appear in t	his box, please g	o to the end of the form to
Digit	al Data Carrier					

1Ku	14000 14500	Т	Left and Right Circular	210KG1D	63.3	46.1
E50. Desc view it in its	cription of Modulation entirety.)	and Services (If	the complete description of	loes not appear in t	this box, please go	to the end of the form to
Digit	al Data Carrier					
1Ku	14000 14500	Т	Left and Right Circular	35M5G1D	84.57	45.09
Digit	al Data Carrier					
2Ku	10950 11200	R	Left and Right Circular	210KG1D	0.0	0.0
E50. Desc view it in its	cription of Modulation entirety.)	and Services (If	the complete description of	loes not appear in t	his box, please go	to the end of the form to
Digit	al Data Carrier					

2Ku	10950 11200	R	Left and Right Circular	35M5G1D	0.0	0.0
E50. Description view it in its entirety	of Modulation and y.)	d Services (If	the complete description de	pes not appear in t	his box, please go	to the end of the form to
Digital Da	ata Carrier					
2Ku	11450 12200	R	Left and Right Circular	210KG1D	0.0	0.0
Digital Da	ata Carrier					
2Ku	11450 12200	R	Left and Right Circular	35M5G1D	0.0	0.0
E50. Description view it in its entirety	of Modulation and y.)	d Services (If	the complete description de	pes not appear in t	his box, please go	to the end of the form to
Digital Da	ata Carrier					

2Ku	14000 14500	Т	Left and Right Circular	210KG1D	63.3	46.1		
E50. Description view it in its entirety	of Modulation and S	dervices (If the con	nplete description doe	es not appear in this b	ox, please go to the e	nd of the form to		
Digital Data Carrier								
2Ku	14000 14500	Т	Left and Right Circular	35M5G1D	84.57	45.09		
E50. Description of 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 Da	ta Carrier							

FREQUENCY COORDINATION

E28. Antenna Id	Frequency Limits(MHz)	Range of Satellite Arc E/W Limit	Station Azimuth Angle	Antenna Elevation Angle Eastern Limit	Station Azimuth Angle	E59. Antenna Elevation Angle Western Limit	E60. Maximum EIRP Density toward the Horizon (dBW/4kHz)
1C	3700 4200	8.0/ 143.0	103.4	8.7	255.6	9.9	0.0

	5925 6047	8.0/ 143.0	103.4	8.7	255.6	9.9	5.62
	6080 6299	8.0/ 143.0	103.4	8.7	255.6	9.9	5.62
	6332 6425	8.0/ 143.0	103.4	8.7	255.6	9.9	5.62
1Ku	10950 11200	8.0/ 143.0	103.4	8.7	255.6	9.9	0.0
	11450 12200	8.0/ 143.0	103.4	8.7	255.6	9.9	0.0
	14000 14500	8.0/ 143.0	103.4	8.7	255.6	9.9	-5.68
2Ku	10950 11200	8.0/ 143.0	103.4	8.7	255.6	9.9	0.0
	11450 12200	8.0/ 143.0	103.4	8.7	255.6	9.9	0.0
	14000 14500	8.0/ 143.0	103.4	8.7	255.6	9.9	-5.68

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		

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