Approved by OMB 3060-0678

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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: Easton Utilities Commision

1–8. Legal Name of A	pplicant		
Name:	Easton Utilities Commission	Phone Number:	410-763-9474
DBA Name:		Fax Number:	
Street:	201 N Washington St	E-Mail:	tbook@eucmail.com
	PO Box 1189		
City:	Easton	State:	MD
<b>Country:</b>	USA	Zipcode:	21601 –
Attention	Mr Ted L Book JR		

Name:	Easton Utilities Commission	Phone Number:	410-763-9474
Company:		Fax Number:	
Street:	201 N Washington St	E-Mail:	tbook@eucmail.com
	PO Box 1189		
City:	Easton	State:	MD
Country:	USA	Zipcode:	21601-
Attention:		<b>Relationship:</b>	

# CLASSIFICATION OF FILING

17. Choose the button next to the	b.
classification that applies to this filing for	b1. Application for License of New Station
both questions a. and b. Choose only one	<b>b</b> 2. 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. a1. Earth Station	(N/A) b5. Assignment of License or Registration
	(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
	<b>b</b> 10. Other (Please specify)
	<b>b</b> 11. Application for Earth Station to Access a Non–U.S.satellite Not Currently Authorized to
	<del>-</del>
	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) b13. Amendment to a rending Database Entry Application $(N/A)$ b14. Modifiction of Database Entry
17. To for an having double discountions	
17c. Is a fee submitted with this application	159. If No, indicate reason for fee exemption (see 47 C.F.R.Section 1.1114).
	_
• Governmental Entity • Noncomme	ercial educational licensee
• Other(please explain):	
17d.	
Fee Classification CMO – Receive Only E	arth Station

18. If this filing is in reference to an	19. If this filing is an amendment to a pending ap	oplication 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 provide	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	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:	ervice, 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 applicable frequency band(s).

**x** 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

a. Fixed Earth Station				
b. Temporary–Fixed Eart				
c. 12/14 GHz VSAT Netw	vork			
d. Mobile Earth Station				
N/A) e. Geostationary Space	Station			
N/A) f. Non–Geostationary S	Space Station			
g. Other (please specify)				
PE OF EARTH STATION	FACILITY: Choose only	one.		

#### 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.

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.

Yes

No No

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

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.	O 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.	O Yes	No No ■

• Yes • No • N/A

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	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.

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 No

42b. What administration has licensed or is in the process of licensing the space station? If no license will be issued, what administration has coordinated or is in the process of coordinating the space station?

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.)

registering earth station recommended by the ACA

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.	● 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.	<b>О</b> <sup>В</sup>
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 buttor	next to applicable response	se.)		
Individual				
O Unincorporated Association				
• Partnership				
• Corporation				
Governmental Entity				
Other (please specify)				
-				
45. Name of Person Signing		46. Title of Person S		
Ted Book		Director of Cable and Communications		
47. Please supply any need attachments.				
Attachment 1:	Attachment 2:		Attachment 3:	
	I			
			E BY FINE AND / OR IMPRISONM	IENT
			VY STATION AUTHORIZATION	
(U.S. Code, 111e 47,	Section $512(a)(1)$ , AND/	JK FUKFEITUKE (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	tation Site				
E1: Site Identifier:	Headend	E5. Call Sign:			
E2: Contact Name	Teb Book	E6. Phone Number:	410-822-6110		
E3. Street:	403 Bay St	E7. City:	Easton		
		E8. County:	Talbot		
E4. State	MD	E9. Zip Code	21601		
E10. Area of Opera	tion:	Easton MD			
E11. Latitude:	38 °46 '38.48 "N				
E12. Longitude:	76 °5 '0.25 "W				
E13. Lat/Lon Coord	linates are:	<b>O</b> NAD-27	<b>O</b> NAD-83	<b>O</b> N/A	
E14. Site Elevation	(AMSL):	2.0 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.	• Yes	<b>○</b> <sup>No</sup>	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?	O Yes	O <sup>No</sup>	● N/A
E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.	O Yes	۲	No

E18. Is frequency coordination required? If YES, attach a frequency coordination report as	0	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.	0	Yes	۲	No

#### POINTS OF COMMUNICATION

Satellite Name: GALAXY 28 (S2160) | GALAXY 28 | 89.0 W.L. If you selected OTHER, please enter the following:

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

Satellite Name: AMC-1(S2445)   AMC-1(S2445)   130.90 If you selected OTHER, please enter the following:	
E21. Common Name:	E22. ITU Name:
E23. Orbit Location:	E24. Country:

Satellite Name:GALAXY 14   GALAXY 14   125 W.L. If	. If you selected OTHER, please enter the following:	
E21. Common Name:	E22. ITU Name:	
E23. Orbit Location:	E24. Country:	

Satellite Name:GALAXY 17 (S2715)   GALAXY 17   91 W.L. If	you selected OTHER, please enter the following:
E21. Common Name:	E22. ITU Name:
E23. Orbit Location:	E24. Country:

Satellite Name:GALAXY 15 (S2387)   GALAXY 15   133.1 If yo	u selected OTHER, please enter the following:
E21. Common Name:	E22. ITU Name:
E23. Orbit Location:	E24. Country:

Satellite Name: AMC-15 (S2180)   AMC-15   105.0 W.L. If you	selected OTHER, please enter the following:
E21. Common Name:	E22. ITU Name:
E23. Orbit Location:	E24. Country:

Satellite Name: AMC 10 | AMC 10 | 135 W.L. If you selected OTHER, please enter the following:

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

Satellite Name:ECHOSTAR –9 (S2143)   ECHOSTAR–9   121 W.L.	If you selected OTHER, please enter the following:
E21. Common Name:	E22. ITU Name:
E23. Orbit Location:	E24. Country:

Satellite Name:SES-1   SES-1   101.0 W.L.	If you selected OTHE	R, please enter the following:
E21. Common Name:		E22. ITU Name:
E23. Orbit Location:		E24. Country:

Satellite Name:GALAXY 18   GALAXY 18   123 W.L. If you se	ected OTHER, please enter the following:
E21. Common Name:	E22. ITU Name:
E23. Orbit Location:	E24. Country:

Satellite Name: GALAXY 13   GALAXY 13   127 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		E30. Manufacturer		Size <meters></meters>	E41/42. Antenna GainTransmint and/or Recieve (dBi at GHz)
Headend	8	1	N/A	N/A	3.5	0.0 dBi at 0

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)
1–3	5.0/5.0	6.4	1.8	4.2	0.0	0.0	0.0
2-4	4.6/4.6	6.0	1.6	4.2	0.0	0.0	0.0
5-7	4.5/4.5	6.7	1.3	4.2	0.0	0.0	0.0
6	3.0/3.0	4.2	1.3	4.2	0.0	0.0	0.0
8	3.5/3.5	4.8	1.1	4.2	0.0	0.0	0.0

# FREQUENCY

E28. Antenna Id	E43/44. Frequency Bands (MHz)	E45. T/R Mode			EIRP per Carrier (dBW)	E49. Maximum ERIP Density per Carrier (dBW/4kHz)
1–3	3700 4200	R	Horizontal and Vertical	0	0.0	0.0

E50. Modulation entirety.)	and Services	(If th	ne complete description	on does not appear in	this box, please go t	o the end of the form	to view it in its
Video							
2–4	3700	4200	R	Horizontal and Vertical	0	0.0	0.0
E50. Modulation entirety.)	and Services	s (If th	ne complete description	on does not appear in	this box, please go t	o the end of the form	to view it in its
Video							
5–7	3700	4200	R	Horizontal and Vertical	0	0.0	0.0
E50. Modulation entirety.)	and Services	s (If th	ne complete description	on does not appear in	this box, please go t	o the end of the form	to view it in its
Video							
6	0 (	)	R	Horizontal and Vertical	0	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.)

Spare Di	sh for V:	ideo						
3	3716	4180	R	Horizontal and Vertical	N/A	0.0	0.0	
E50. Modulat entirety.)	ion and Servi	ices (If t	he complete	description does not appear	in this box, plea	ase go to the end of t	he form to view it in	its
Video								

#### 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)
1–3	Geostationary	3700 4200	3.5/ 356.0	246.0	18.0	0.0	0.0	0.0
2-4	Geostationary	3700 4200	3.5/ 356.0	203.0	42.0	0.0	0.0	0.0

5–7	Geostationary	3700 4200	3.5/ 356.0	237.0	25.0	0.0	0.0	0.0
6	Geostationary	3700 4200	0.0/ 0.0	0.0	0.0	0.0	0.0	0.0
8	Geostationary	3700 4200	356.5/ 155.7	216.0	38.0	0.0	0.0	0.0
REMOTE	CONTROL POIN	T LOCATION						
	l Sign Please enter the calls which this applicati			ot the	E65. Phone N	Number		
E62. Stre	eet Address							
E63. City	y		E67. Count	у		E64/68 State/Cou /		E66. Zip Code

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