

45. Name of Person Signing Cynthia J. Grady	46. Title of Person Signing Regulatory Counsel, Intelsat Corporation
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WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND / OR IMPRISONMENT (U.S. Code, Title 18, Section 1001), AND/OR REVOCATION OF ANY STATION AUTHORIZATION (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 Station Site			
E1. Site Identifier:	Hagerstown Teleport	E5. Call Sign:	E150002
E2. Contact Name	Mr. Eric Lund	E6. Phone Number:	2404208990
E3. Street:	17625 Technology Blvd	E7. City:	Hagerstown
E4. State	MD	E8. County:	Washington
E10. Area of Operation:	Hagerstown, MD		
E11. Latitude:	39 ° 35 ' 53.9 " N		
E12. Longitude:	77 ° 45 ' 23.0 " W		
E13. Lat/Lon Coordinates are:	<input type="radio"/> NAD-27 <input checked="" type="radio"/> NAD-83 <input type="radio"/> N/A		
E14. Site Elevation (AMSL):	170.0 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.	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> 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?	<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A
E17. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.	<input type="radio"/> Yes <input checked="" type="radio"/> No
E18. Is frequency coordination required? If YES, attach a frequency coordination report as	<input checked="" type="radio"/> Yes <input type="radio"/> No
E19. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as	<input type="radio"/> Yes <input checked="" type="radio"/> 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?	<input type="radio"/> Yes <input checked="" type="radio"/> No
FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL RESULT IN THE RETURN OF THIS APPLICATION.	

POINTS OF COMMUNICATION

Satellite Name:INTELSAT 29e (S2913) INTELSAT 29E 50.0 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	E41/42. Antenna Gain Transmint and/or Recieve (____ dBi at ____ GHz)
Hagerstown Teleport	1	1	General Dynamics	ST 16.4	16.4	0.0 dBi at

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	16.4/16.4	16.4	186.4	0.0	1275.0	0.0	90.1

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)
1	6421 6426	T	Linear and Circular	1M20FXD	81.1	56.3

E50. Modulation and Services Command and Ranging

1	5850 5853.5	T	Linear and Circular	1M20FXD	81.1	56.3
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E50. Modulation and Services Command and Ranging

1	5850 5853.5	T	Left and Right Circular	850KFXD	79.6	56.3
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E50. Modulation and Services Command and Ranging

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)
1	Geostationary	6421 6426	49.0/51.0	139.2	35.5	141.6	36.6	-9.41
	Geostationary	5850 5853.5	49.0/51.0	139.2	35.5	141.6	36.6	-9.41

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
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