



# PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION  
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**Report No. SAT-00260**

**Monday December 20, 2004**

## POLICY BRANCH INFORMATION

### Satellite Space Applications Accepted for Filing

The applications listed below have been found, upon initial review, to be acceptable for filing. The Commission reserves the right to return any of the applications if, upon further examination, it is determined the application is not in conformance with the Commission's rules or its policies. Consideration of each satellite application in this Public Notice may depend on the Commission's action on another satellite application earlier in the queue. Petitions, oppositions and other pleadings filed in response to this notice should conform to Section 25.154 of the Commission's rules, unless otherwise noted. 47 C.F.R. § 25.154.

On July 14, 2004, the Federal Communications Commission completed the auction of three licenses to use the Direct Broadcast Satellite ("DBS") service allocation in the 12.2-12.7 GHz band and Associated Feeder Links in the 17.3-17.8 GHz band ("Auction No. 52"). Auction No. 52 included three licenses at the 175° W.L., 166° W.L., and 157° W.L. orbit locations. Rainbow DBS won two of the licenses (for 32 channels at 166° W.L. and 32 channels at 175° W.L.), and EchoStar won one of the licenses (for 29 channels at 157° W.L.). [See Direct Broadcast Satellite Service Licenses Auction Closes, Public Notice, DA 04-2158 (July 19, 2004).]

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**SAT-LOA-20040917-00182** E S2643 Rainbow DBS Company LLC  
Date Filed: 09/17/2004 15:53:35:74600  
Launch and Operating Authority

Rainbow DBS was the winning bidder for 32 channels at 166° W.L. orbit location. On September 17, 2004, Rainbow DBS filed long-form applications (FCC Form 312) and Schedule S forms for the licenses won in Auction No. 52. Rainbow DBS requests authority to construct, launch, and operate a Direct Broadcast Satellite ("DBS") satellite, Rainbow 4, to be located at the 166° W.L. orbit location. Rainbow plans to provide DBS service to Alaska, Hawaii, and the west coast of the United States through the use of 500 MHz of Ku-band spectrum already allocated by the Commission to the DBS service operating in the GSO on a Primary or co-Primary basis. The Rainbow DBS system will use the DBS Ku-band spectrum - 12.2-12.7 GHz for space-to-Earth transmissions and 17.3-17.8 GHz for Earth-to-space transmissions. The Rainbow DBS plans to use its satellite at the 166° W.L. orbit location to deliver a wide array of advanced, high-definition digital video services to consumers. Rainbow DBS plans to use on-station telemetry, tracking and control ("TT&C") that will employ guard bands in the 12.2-12.7 GHz (space-to-Earth) and 17.3-17.8 GHz (Earth-to-space) bands in accordance with Article 2A of Appendices 30 and 30A of the ITU Radio Regulations. In each sense of circular polarization, the satellite will provide 16 satellite downlink channels for each service area for a total of 32 downlink channels for each of the three service areas. Each channel will have a bandwidth of 24 MHz.

In addition, to the extent that information relating to specific TT&C frequencies, satellite spacecraft design and other technical parameters or any other items are unknown to Rainbow DBS because it has not selected a satellite manufacturer, Rainbow DBS requests a waiver of the rules, to the extent one is necessary, in order to submit its application without the requested information. Rainbow DBS states that it will supplement and/or amend this application or request a modification to its license when this information becomes available.

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**SAT-LOA-20040917-00183** E S2644 Rainbow DBS Company LLC

Date Filed: 09/17/2004 16:14:38:41000

Launch and Operating Authority

Rainbow DBS was the winning bidder for 32 channels at 175° W.L. orbit location. On September 17, 2004, Rainbow DBS filed long-form applications (FCC Form 312) and Schedule S forms for the licenses won in Auction No. 52. Rainbow DBS requests authority to construct, launch, and operate a DBS satellite, Rainbow 5, to be located at the 175° W.L. orbit location. Rainbow plans to provide DBS service to Alaska, Hawaii, and the west coast of the United States through the use of 500 MHz of Ku-band spectrum already allocated by the Commission to the DBS service operating in the GSO on a Primary or co-Primary basis. The Rainbow DBS system will use the DBS Ku-band spectrum - 12.2-12.7 GHz for space-to-Earth transmissions and 17.3-17.8 GHz for Earth-to-space transmissions. The Rainbow DBS satellite plans to use its satellite at the 166° W.L. orbit location will deliver a wide array of advanced, high-definition digital video services to consumers. Rainbow DBS plans to use on-station TT&C that will employ guard bands in the 12.2-12.7 GHz (space-to-Earth) and 17.3-17.8 GHz (Earth-to-space) bands in accordance with Article 2A of Appendices 30 and 30A of the ITU Radio Regulations. In each sense of circular polarization, the satellite will provide 16 satellite downlink channels for each service area for a total of 32 downlink channels for each of the three service areas. Each channel will have a bandwidth of 24 MHz.

In addition, to the extent that information relating to specific TT&C frequencies, satellite spacecraft design and other technical parameters or any other items are unknown to Rainbow DBS because it has not selected a satellite manufacturer, Rainbow DBS requests a waiver of the rules, to the extent one is necessary, in order to submit its application without the requested information. Rainbow DBS states that it will supplement and/or amend this application or request a modification to its license when this information becomes available.

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**SAT-LOA-20040917-00184** E S2645 EchoStar Satellite L.L.C.

Date Filed: 09/17/2004 17:12:44:14600

Launch and Operating Authority

EchoStar Satellite Corporation was the winning bidder for 29 channels at 157° W.L. orbit location. On September 17, 2004, EchoStar filed long-form applications (FCC Form 312) and Schedule S forms for the licenses won in Auction No. 52. EchoStar requests authority to construct, launch, and operate a DBS satellite to be located at the 157° W.L. orbit location using the 12.2-12.7 GHz (space-to-Earth) and 17.3-17.8 GHz (Earth-to-space) frequency bands. EchoStar plans to integrate the new satellite at the 157° W.L. orbit location with its overall satellite constellation. EchoStar plans to use the additional channel capacity to provide new programming services such as high-definition television, international programming, and other services. EchoStar states that the primary use for the satellite is expected to be for MVPD services in the United States. EchoStar states that some of the beam coverage will extend beyond the U.S. into portions of Canada and Mexico. EchoStar states that subject to any necessary international regulatory approvals, EchoStar may provide MVPD services to other Region 3 countries. EchoStar states that it plans to provide service to Alaska and Hawaii including more HDTV offerings and a wider range of niche programming such as international, foreign language, informational and education programs.

In addition, to the extent that information relating to specific TT&C frequencies and satellite spacecraft design are unknown to EchoStar Satellite Corporation because it has not selected a satellite manufacturer, EchoStar Satellite Corporation requests a waiver of the rules, to the extent one is necessary, in order to submit its application without the requested information. EchoStar Satellite Corporation states that it will supplement and/or amend this application or request a modification to its license when this information becomes available.

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For more information concerning this Notice, contact the Satellite Division at 202-418-0719; TTY 202-418-2555.