

## EXHIBIT 1

### APPLICATIONS FOR MODIFICATION (Response to Question 43)

Pursuant to Section 25.117 of the Commission's rules,<sup>1</sup> EchoStar Broadcasting Corporation ("EchoStar") requests to modify certain earth station licenses (Call Signs E150098 & E980047) to add the EchoStar 23 satellite as a point of communications at the 44.9° W.L. orbital location for telemetry, tracking, and control ("TT&C") operations only.

EchoStar 23 is a planned satellite authorized under Brazilian authority for Ku-band Broadcasting-Satellite Service ("BSS") operations at the 44.9° W.L. orbital location by EchoStar 45, an EchoStar affiliate. The satellite will provide new, competitive direct-to-home ("DTH") television service to Brazil from its assigned orbital location.

EchoStar is authorized under special temporary authority ("STA") to operate the subject earth stations for in-orbit testing ("IOT") and/or TT&C communications during EchoStar 23's temporary locations at 67.1° W.L. and 86.4° W.L.,<sup>2</sup> prior to the satellite's operations at its assigned orbital location in accordance with the following anticipated launch schedule:

- (1) EchoStar 23 is scheduled for launch during the period from September 1 through November 30, 2016.
- (2) After launch and orbit-raising maneuvers, EchoStar 23 will be temporarily located 67.1° W.L., where IOT will commence for approximately 30 days. The satellite will then be moved to 86.4° W.L. for 90 days.
- (3) Following temporary operations at 86.4° W.L., EchoStar 23 will be moved to its assigned orbital location at 44.9° W.L.

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<sup>1</sup> See 47 C.F.R. § 25.117.

<sup>2</sup> See EchoStar, Applications for STA, File Nos. SES-STA-20160427-00381 & SES-STA-20160427-00382 (granted Aug. 17, 2016).

The accompanying Schedule S and Technical Annex contain the technical and orbital debris mitigation information required under Section 25.137(b) of the Commission's rules.<sup>3</sup> EchoStar is not seeking authority to operate with EchoStar 23 for BSS/DTH service to the United States, and thus other requirements under Section 25.137 are inapplicable.

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<sup>3</sup> See 47 C.F.R. § 25.137(b).