

EXHIBIT 1

REQUEST FOR SPECIAL TEMPORARY AUTHORITY

Pursuant to Section 25.120(b) of the Commission's rules,¹ EchoStar Broadcasting Corporation ("EchoStar") requests special temporary authority ("STA") for 180 days to operate three earth stations in Cheyenne, WY, Blackhawk, SD, and Gilbert, AZ (Call Signs E980005, E020248 & E070014) for (i) telemetry, tracking, and command ("TT&C") communications with the EchoStar 23 satellite during its temporary location at 86.4° W.L.; and (ii) in-orbit testing ("IOT") and TT&C communications with EchoStar 23 at its assigned orbital location of 44.9° W.L.² EchoStar further requests that the STA commence upon EchoStar 23's arrival at 86.4° W.L. in order to accommodate the timing uncertainties ordinarily associated with launching and positioning a satellite in a specific orbit.

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.

- (1) EchoStar 23 is scheduled for launch on approximately January 8-9, 2017.
- (2) After launch and orbit-raising maneuvers, EchoStar 23 will be temporarily located at 86.4° W.L. for approximately 90 days.

¹ See 47 C.F.R. § 25.120(b).

² EchoStar concurrently is filing modification applications for the subject earth stations to add EchoStar 23 as a point of communications for TT&C and feeder uplink communications only. EchoStar also has a pending application seeking similar license modification for a fourth earth station (Call Sign E150098). See EchoStar, Applications for Modification, File No. SES-MFS-20160919-00792 (Sept. 19, 2016) ("E150098 Modification Application").

- (3) Following temporary operations at 86.4° W.L., EchoStar 23 will be moved to its assigned orbital location at 44.9° W.L, where IOT will commence for approximately 30 days.³

For TT&C and IOT communications with EchoStar 23, the subject earth stations – specifically, Call Signs E980005 (Antenna ID 1), E020248 (Antenna IDs BH8 and BH13), and E070014 (Antenna ID GFMA) – will operate on the following frequencies, consistent with the frequency bands and other technical parameters specified under their existing licenses:

- 17.300 – 17.310 GHz and 17.791 GHz for TT&C uplinks;
- 12.200 – 12.210 GHz for TT&C downlinks;
- 17.300 – 17.800 GHz for IOT uplinks; and
- 12.200 – 12.700 GHz for IOT downlinks.

The proposed testing will not cause harmful interference to other authorized co-frequency BSS operations, as demonstrated in the Technical Annex submitted with the pending E150098 Modification Application. In the unlikely event of harmful interference, EchoStar is prepared to take appropriate measures to eliminate the interference, including immediately terminating IOT upon receiving notice of such interference.

Grant of the requested STA will serve the public interest by allowing EchoStar to conduct IOT required to ensure that the EchoStar 23 satellite is fully operational and capable of providing new competitive DTH television service to subscribers in Brazil and other Latin American countries from its assigned orbital location.

³ EchoStar is authorized under STA to operate a fourth earth station (Call Sign E150098) for IOT and TT&C communications with EchoStar 23. *See* EchoStar, STA Stamp Grant, File No. SES-STA-20160427-00382 (Aug. 17, 2016).