

## EXHIBIT 1

### DESCRIPTION OF PROPOSED MODIFICATION (Response to FCC Form 312, Question 43)

Pursuant to 47 C.F.R. § 25.117, EchoStar Satellite Services L.L.C. (together with its affiliates, “EchoStar”) requests a modification of its license to operate EchoStar IX (Call Sign S2179), a Ku- and Ka-band fixed-satellite service (“FSS”) satellite.<sup>1</sup> Specifically, EchoStar seeks to update EchoStar 9’s authorized technical parameters and service areas to reflect the satellite’s existing operational and geographic coverage capabilities. Grant of this application will serve the public interest by allowing use of available capacity on EchoStar IX to provide service consistent with the satellite’s existing operational and coverage capabilities, including service to the Bahamas and other remote, underserved areas of the world.

EchoStar IX currently operates under special temporary authority (“STA”) to provide service to support ongoing emergency rescue, relief, and recovery operations in the Bahamas following Hurricane Dorian.<sup>2</sup> Such service is being used primarily by international and local organizations to provide or re-establish communications for emergency rescue, relief, and recovery operations.<sup>3</sup> The current modification updates the service area for EchoStar 9 so that similar STAs will not be needed in the future. In addition, as the technical information available on EchoStar 9 in IBFS is limited, a full Schedule S is provided for the satellite.

The accompanying Schedule S and Technical Appendix contain the technical information required under 47 C.F.R. § 25.114. As demonstrated in the Technical Appendix, EchoStar 9’s

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<sup>1</sup> See EchoStar, *Stamp Grant*, IBFS File No. SAT-MOD-20180709-00052 (Sept. 27, 2018).

<sup>2</sup> See EchoStar, IBFS File No. SAT-STA-20190925-00101 (filed Sept. 25, 2019) (seeking 60-day STA extension) (“STA Extension Application”); EchoStar, *Stamp Grant*, IBFS File No. SAT-STA-20190906-00088 (Sept. 6, 2019).

<sup>3</sup> See STA Extension Application, Exh. 1, at 1.

Ku/Ka-band FSS operations are in compliance with two-degree spacing requirements and thus will cause no harmful interference to other authorized services.

The proposed modification will serve the public interest by allowing EchoStar to operate EchoStar 9 consistent with the satellite's existing operational and geographic coverage capabilities. The Commission has determined that the satellite licensee "is in a better position to determine how to tailor its system to meet the particular needs of its customers."<sup>4</sup> Thus, the Commission "will generally grant a [satellite] licensee's request to modify its system, provided there are no compelling countervailing public interest considerations."<sup>5</sup> Consequently, as demonstrated herein, the proposed modification will serve the public interest without cause any harmful interference to other authorized services, and thus should be granted.

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<sup>4</sup> *AMSC Subsidiary Corporation*, Order and Authorization, 13 FCC Rcd 12316, 12318 ¶ 8 (IB 1998).

<sup>5</sup> *Id.*; see also *SES Americom, Inc.*, Order and Authorization, 21 FCC Rcd. 3430, 3433 ¶ 8 (IB 2006) (FCC "generally has allowed satellite operators to rearrange satellites in their fleet to reflect business and customer considerations where no public interest factors are adversely affected").