

EXHIBIT 1

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

Pursuant to 47 C.F.R. § 25.117, Hughes Network Systems, LLC (together with its affiliates, “Hughes”) requests a minor license modification to permit EchoStar XIX (a/k/a JUPITER 2) (Call Sign S2834),¹ a Ka-band fixed-satellite service satellite, to extend service coverage to the U.S. Virgin Islands. Grant of this application will serve the public interest by allowing use of available capacity on EchoStar XIX to provide crucial broadband connectivity to remote, underserved areas of the United States on a long-term basis.

Specifically, EchoStar XIX capacity will be used to provide broadband service to user terminals authorized under Call Sign E060445 to operate in the U.S. Virgin Islands.² Service will be provided to support disaster recovery and emergency operations, as well as for existing and new consumer applications.

Hughes currently is operating EchoStar XIX under special temporary authority (“STA”) to provide broadband service to support ongoing recovery operations in the U.S. Virgin Islands in the aftermath of Hurricane Maria.³ Such STA service is being used primarily by federal and local government organizations, including the Federal Emergency Management Agency, the U.S. Department of Interior, and the U.S. Department of Agriculture, to provide communications for emergency and recovery operations, as well as to re-establish communications at existing facilities.⁴

¹ See Hughes, Application for Authority to Operate, IBFS File No. SAT-LOA-20160624-00061 (granted Sept. 15, 2016) (“EchoStar XIX LOA Application”).

² See Hughes, IBFS File No. SES-MOD-20170726-00811 (granted Oct. 11, 2017).

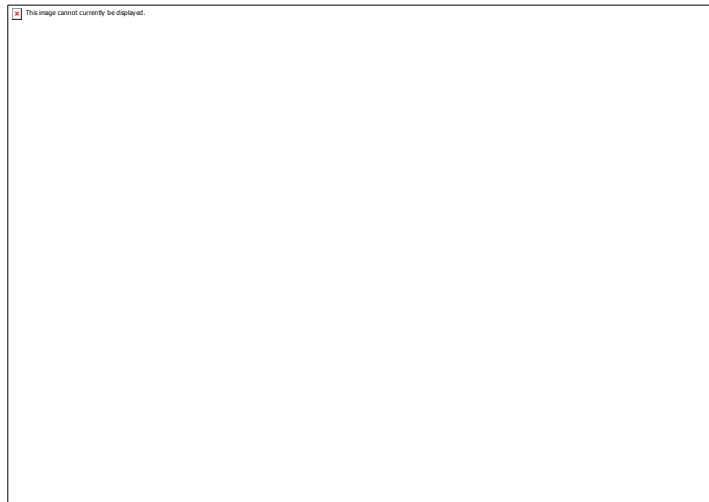
³ See Hughes, Application for STA, IBFS File No. SAT-STA-20171108-00152 (granted Nov. 9, 2017).

⁴ See *id.*, Exhibit 1, at 2-3.

Figure 1: EchoStar XIX Service Coverage Including U.S. Virgin Islands



Figure 2: Detailed EchoStar XIX Service Coverage of U.S. Virgin Islands



As shown in Figures 1 and 2 above, Hughes merely seeks a modest expansion of

EchoStar XIX's authorized service area to include the territories of the U.S. Virgin Islands.⁵ Hughes proposes no change to EchoStar XIX's authorized technical parameters, and thus operations within the proposed expanded service area will be subject to existing authorized technical parameters.⁶ Thus, except for the proposed expanded service coverage of the U.S. Virgin Islands, all technical information set forth in the Schedule S and Technical Annex previously filed with, and reviewed by, the Commission remains materially unchanged and is incorporated by reference herein.⁷

Moreover, the proposed expanded service coverage is consistent with the supporting International Telecommunication Union filings for EchoStar XIX (*i.e.*, RAGGIANA-5 and USASAT-71P), which included full hemispherical coverage. Further, as indicated above, user terminals communicating with EchoStar XIX will operate pursuant to technical parameters authorized under Call Sign E060445. Accordingly, there are no interference concerns with the proposed minor modification.

⁵ EchoStar XIX's authorized service area currently includes Puerto Rico. *See* EchoStar XIX LOA Application, Attachment to Stamp Grant at 1 (citing IBFS File No. SAT-MOD-20141210-00127, Sched. S Tech Report at Item S6, and Attachment (Technical Information to Supplement Schedule S) at 1).

⁶ *See id.*, Attachment to Stamp Grant at 1-3.

⁷ *See id.*, Application Narrative at 2 (incorporating by reference Schedule S and Technical Annex filed in IBFS File No. SAT-MOD-20141210-00127).