

EXHIBIT 1

REQUEST FOR SPECIAL TEMPORARY AUTHORIZATION (Response to Question 8, STA Form)

Pursuant to Section 25.120(b)(3) of the Commission’s rules,¹ Hughes Network Systems, LLC (together with its affiliates, “Hughes”) requests special temporary authorization (“STA”) for 60 days to operate EchoStar XIX (a/k/a JUPITER 2) (Call Sign S2834),² a Ka-band fixed-satellite service satellite, to extend service coverage to the U.S. Virgin Islands, as shown in Figures 1 and 2 below.³

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



¹ See 47 C.F.R. § 25.120(b)(3).

² See Hughes, Application for Authority to Operate, IBFS File No. SAT-LOA-20160624-00061 (granted Sept. 15, 2016) (“EchoStar XIX Authorization”).

³ Hughes shortly will file a modification application for long-term authority to extend service coverage to the U.S. Virgin Islands.

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



The requested STA will allow use of the EchoStar XIX satellite for communications with earth terminals authorized under an existing blanket license, Call Sign E060445, to support recovery operations in the Caribbean following Hurricane Maria. In the wake of Hurricane Maria, vast portions of the U.S. Virgin Islands lost wireless coverage, leaving residents without cellphone service.⁴ As the Commission recently noted, substantial numbers of cell sites in the U.S. Virgin Islands remain out of service.⁵

Grant of the requested STA will serve the public interest by allowing use of available capacity on EchoStar XIX for broadband service to existing user terminals authorized under Call Sign E060445, including 74 cm, 90 cm, and 98 cm earth terminals. Such service will be 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

⁴ See Jeremy W. Peters, *In the Virgin Islands, Hurricane Maria Drowned What Irma Didn't Destroy* (Sept. 27, 2017), <https://www.nytimes.com/2017/09/27/us/hurricane-maria-virgin-islands.html>.

⁵ See FCC, *Communications Status Report for Areas Impacted by Hurricane Maria* (Nov. 6, 2017), http://transition.fcc.gov/Daily_Releases/Daily_Business/2017/db1106/DOC-347626A1.pdf.

emergency or recovery operations or to re-establish communications at existing facilities. Moreover, service will be provided to user terminals that are already authorized under Call Sign E060445 to operate in the U.S. Virgin Islands.⁶

Hughes proposes no change to the authorized technical parameters of the EchoStar XIX satellite.⁷ Rather, Hughes merely seeks a modest extension of EchoStar XIX's authorized service coverage to include the U.S. Virgin Islands, subject to existing authorized technical parameters⁸. Moreover, 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 STA operations. In any event, the proposed STA operations will be conducted on an unprotected, non-harmful interference basis.

⁶ See Hughes, IBFS File No. SES-MOD-2017072600811 (granted Oct. 11, 2017).

⁷ EchoStar XIX's authorized service coverage currently includes Puerto Rico. See EchoStar XIX Authorization.

⁸ This is also consistent with the supporting ITU filings for the EchoStar XIX satellite – *i.e.*, RAGGIANA-5 and USASAT-71P, which were filed with a full hemispherical coverage.