

REQUEST FOR SPECIAL TEMPORARY AUTHORITY

Swarm Technologies, Inc. (“Swarm”), pursuant to Section 25.120 of the Commission’s rules, hereby requests an additional 60 days of Special Temporary Authority (“STA”) to operate its gateway earth stations in Sussex, NJ and Mountain View, CA to communicate with the first commercial satellites launched as part of its licensed 150-satellite non-geostationary satellite orbit (“NGSO”) constellation.

Swarm currently has a pending application for regular authority for both gateway earth stations.¹ The application for the earth station located in Sussex, NJ was filed on October 22, 2019 and accepted for filing on April 1, 2020. The application for the earth station located in Mountain View, CA was filed on August 6, 2019 and accepted for filing on October 16, 2019.

Swarm has been operating both ground stations under a 60-day STA since September 2, 2020 that is set to expire on November 1, 2020.² The instant applications seek another 60-day STA period beginning November 2, 2020 and terminating January 1, 2021 or until grant of the underlying application for regular authority, whichever occurs first.

Swarm would operate each earth station under an STA with the same technical characteristics set forth in the underlying applications for regular authority and pursuant to the same conditions set forth in the STAs already granted. The gateway earth stations will operate on frequencies in the 148-149.95 MHz (uplink) and 137-138 MHz (downlink) bands assigned to Swarm pursuant to its October 17, 2019 space station authorization.³

This request is supported by good cause. Swarm seeks authority to communicate with the Swarm NGSO satellites both to confirm the operational status of those satellites and to evaluate the overall performance of the space and ground segments of the Swarm satellite network. These efforts will help Swarm successfully integrate critical facilities and ensure that the Swarm network is fully prepared to support service expansion. The authority sought herein also will allow Swarm to preserve the health and safety of its NGSO constellation and to complete in-orbit testing after any launches of additional licensed satellites within the STA period. Accordingly, the STA will serve the public interest by enhancing space safety and by supporting an NGSO system that can bring low-cost data services to underserved and unserved satellite consumers.

Swarm will operate on a non-interference basis. As set forth in the underlying applications for regular authority, each gateway will protect terrestrial and space systems in shared spectrum bands consistent with FCC rules.

¹ See IBFS File No. SES-LIC-20191022-01364, Call Sign E190858 filed on October 22, 2019 (seeking regular authority for the station located in Sussex, NJ); IBFS File No. SES-LIC-20190806-01029, Call Sign E190610 filed on August 6, 2019. These applications contain all relevant operational characteristics and are incorporated herein to the extent necessary.

² See IBFS File No. SES-STA-20191112-01479, Call Sign E190858 filed on November 11, 2019 (STA for Sussex, NJ); IBFS File No. SES-STA-20191112-01480, Call Sign E190610 filed on November 11, 2019 (STA for Mountain View, CA).

³ *Application of Swarm Technologies, Inc.*, Memorandum Opinion, Order and Authorization, 34 FCC Rcd. 9469 (Int’l Bur. 2019).

Respectfully submitted,
Swarm Technologies, Inc.

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