

Request to Extend License Term

Pursuant to 47 C.F.R. § 25.117, Momentus Space LLC (“Momentus”) requests authority to extend the license term of the Vigoride-5 (“VR-5”) spacecraft by one hundred and twenty days, *i.e.*, until January 8, 2024.¹ The VR-5 spacecraft commenced operations on January 3, 2023.² Since then, Momentus has deployed the solar arrays, confirmed the health of the uplink and downlink communications, tested the Microwave Electrothermal Thruster, Attitude Control, and Reaction Control Systems, and commenced maneuvering.³ Because of the importance of this mission for the company, it has taken slow and deliberate steps, which have resulted in overall delay in the schedule. Momentus believes it will need approximately 120 additional days (which includes a small buffer period) to complete its mission.

Accordingly, Momentus seeks authority to extend the license term. Grant of the license extension request will serve the public interest by allowing Momentus to complete its mission (and that of its hosted payload partner), which include the satellite experiments designed to further scientific and engineering knowledge. Momentus will coordinate with federal spectrum managers regarding the extension request. For the above reasons, Momentus requests grant of this application.

Additionally, Momentus requests to update the license to reflect the replacement of the Cape Town, South Africa ground station listed in the VR-5 license with a ground station located in Pretoria (Bronkhorstspuit), South Africa.

¹ See Stamp Grant, Momentus Space LLC, IBFS File Nos. SAT-LOA-20220504-00047; SAT-AMD-20220729-00075 (granted November 15, 2022).

² VR-5 is authorized to operate for 250 days, *i.e.*, until September 10, 2023.

³ See Business Wire, Momentus Vigoride-5 Status Update #3 (February 22, 2023), <https://www.businesswire.com/news/home/20230222005943/en/Momentus-Vigoride-5-Status-Update-3>; Business Wire, Momentus Vigoride-5 Status Update #4 (March 23, 2023), <https://www.businesswire.com/news/home/20230323005766/en/Momentus-Vigoride-5-Status-Update-4>; Business Wire, Momentus’ Pioneering Propulsion System Successfully Completes Initial Tests in Space (March 31, 2023), <https://www.businesswire.com/news/home/20230330005876/en/Momentus%E2%80%99Pioneering-Propulsion-System-Successfully-Completes-Initial-Tests-in-Space>.