

REQUEST TO EXTEND SPECIAL TEMPORARY AUTHORITY

SpaceX Services, Inc. (“SpaceX Services”), pursuant to Section 25.120 of the Commission’s rules, hereby requests a sixty-day extension of its existing Special Temporary Authority (“STA”)¹ to allow continued communications between its authorized high performance earth stations in motion (“HP ESIMs”) and satellites being launched by its sister company, Space Exploration Holdings, LLC (“SpaceX”), under the recently granted authorization for its Gen2 non-geostationary orbit (“NGSO”) constellation.² An application to add the Gen2 constellation as a point of communication for the underlying HP ESIM authorization (call sign E210310) is currently pending.

SpaceX Services has been operating these HP ESIMs under the existing STA without incident.³ Granting an extension of this STA would serve the public interest by allowing ships, vehicles, and aircraft in motion to use SpaceX Services’ HP ESIMs to continue to access the increased capacity for low-latency broadband services from SpaceX’s upgraded, next-generation NGSO system as soon as its satellites are deployed, even as the underlying HP ESIM application is being processed.

SpaceX Services will continue to operate on a non-interference basis. Consistent with SpaceX’s Gen2 authorization, SpaceX Services will observe the applicable equivalent power flux-density (“EPFD”) limits set forth in Article 22 and Resolution 76 of the ITU Radio Regulations and the applicable power flux-density (“PFD”) limits set forth in the Commission’s rules and Article 21 of the ITU Radio Regulations, which the Commission has found sufficient to protect GSO systems and terrestrial systems, respectively, against harmful interference. Nonetheless, in the extremely unlikely event that harmful interference should occur due to transmissions to or from its spacecraft, SpaceX Services will take all reasonable steps to eliminate the interference. Should an issue arise, SpaceX Services can be reached at satellite-operators-pager@spacex.com, which links to the pagers of appropriate technical personnel 24/7.

For the foregoing reasons, the Commission should find that the continued authorization of these temporary operations while SpaceX Services’ application is being processed would serve the public interest and grant an STA extension for an additional 60 days.

¹ See IBFS File No. SES-STA-20221216-01399; Public Notice, Rep. No. SES-02530 (IB, rel. Jan. 4, 2023).

² See *Space Exploration Holdings, LLC*, FCC 22-91 (rel. Dec. 1, 2022).

³ SpaceX Services kindly requests that this extension be granted *nunc pro tunc* to relate back to February 24, 2023.