

Applicant: Lockheed Martin Corporation
Call Sign: E7541
File No.: SES-STA-20211006-01691
Special Temporary Authority ("STA")

Lockheed Martin Corporation is granted to operate its fixed earth station in Carpentersville, NJ (E7541) at 40° 38' 39.1" N / 075° 11' 27.8" W under STA for 30 days, commencing October 20, 2021, to provide telemetry, tracking and command ("TT&C") functions for United Kingdom's licensed HYLAS-1 satellite during its drift from 159°E to on-station location 80.8°W with the following center frequencies: 17302.048 MHz (H/LHCP) and 17305.051 MHz (H/RHCP) (Earth-to-space), and 11701.008 MHz (V/LHCP) and 11702.808 MHz (V/RHCP) (space-to-Earth). Operations are authorized under the following conditions:

1. Operations shall be with the earth station's authorized emission designation to conduct TT&C and shall not exceed corresponding authorized power.
2. Operations are authorized for drift only.
3. All operations under this grant of STA shall be on an unprotected and nonharmful interference basis. Intelsat shall not cause harmful interference to, and shall not claim protection from interference, any other lawfully operating radio communication system.
4. In the event of any harmful interference Lockheed Martin Corporation shall cease operations immediately upon notification of such interference, and shall immediately inform the Commission, in writing, of such an event.
5. The 24x7 contact information for the HYLAS-1 TT&C drift operations is as follows: Michael Usarzewicz, can be reached at the following phone numbers: (609) 865-2658 (cellular) (908) 859-4050 (earth station desk).
6. Grant of this STA is without prejudice to any determination that the Commission may make regarding pending or future Lockheed Martin Corporation applications.
7. Lockheed Martin Corporation shall, at all times, take all necessary measures to ensure that the STA operation at this earth station does not create potential exposure of humans to radiofrequency radiation in excess of the FCC exposure limits defined in 47 CFR § 1.1307(b) and 1.1310. Physical measures must be taken to ensure compliance with limits for both occupational/ controlled exposure and for general population/uncontrolled exposure, as defined in these rule sections. Compliance can be accomplished in most cases by appropriate restrictions, such as fencing. Requirements for restrictions can be determined by predictions based on calculations, modeling, or by field measurements. The FCC's OET Bulletin 65 (available on-line at www.fcc.gov/oet/rfsafety) provides information on predicting exposure levels and on methods for ensuring compliance, including the use of warning and alerting signs and protective equipment for workers.

8. Any action taken, or expense incurred as a result of operations pursuant to this STA is solely at Lockheed Martin Corporation's risk.

This grant is issued pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 CFR § 0.261, and is effective upon release.