

Request For Special Temporary Authority

By this application, United Teleports Inc. respectfully requests earth station temporary authority ("STA") for a period of thirty (30) days beginning on or about June 12, 2018, to permit UNITED TELEPORTS to use its E160081 earth station to support SES Americom, Inc ("SES") in the communication with ASTRA 1D spacecraft in order to provide Tracking, Telemetry and Command ("TT&C") while the spacecraft is positioned at 73.0 degrees West (+/- 0.10 degrees East/West station keeping) .

SES was previously granted an STA for TT&C operation of ASTRA 1D under SES-STA-20180129-00069 on Call Sign E110104. The operations proposed with United Teleports 7 meter Ku-band antenna will be identical to the authorization granted for SES for TT&C with ASTRA 1D.

United Teleports is not requesting U.S. market access or any other authorization from the Commission in relation to the non-U.S.-licensed ASTRA 1D spacecraft, and therefore is not providing full technical information about the ASTRA 1D satellite as part of this application.

Grant of this request is in the public interest as the requested TT&C authority will facilitate the safe operation of ASTRA 1D.

UNITED TELEPORTS E160081 Earth Station will be used as a secondary, back-up TT&C Earth Station, only for the reception of telemetry from the spacecraft and as back up for transmission of commands if needed

Details regarding the ASTRA 1D TT&C operations are provided in Attachment 1 to this request.

Basic description of the satellite operations and an orbital debris mitigation statement for ASTRA 1D, if required, were provided by SES in Attachments 2 and 3 to the SES application for SES-STA-20180129-00069.

As stated at SES-STA-20180129-00069, no harmful interference to other spacecraft is expected. Apart of AMC-3, SES owned, located at 72.0 degrees W, the nearest satellite to 73.0 degrees West with overlapping Ku Band operations is ARSAT operated at 71.8 degrees West and SES has stated that it has coordinated operations with ARSAT – Empresa Argentina de Soluciones Satelitales Sociedad Anonima.

Requested waiver of Sections 25.137, 25.114 and 25.210(j) in this STA request are consistent with the waivers requested by the SES STA grant SES-STA-20180129-00069 on Call Sign E110104. United Teleports is not seeking authority to communicate with ASTRA 1D for purposes of providing U.S. service within the meaning of 25.137.

The STA request will be limited to TT&C operations on ASTRA 1D with this 7.0 meters earth station antenna.

Attachment 1: TT&C Emission Characteristics

1. Earth Station Transmission Characteristics

E160081 – Port Saint Lucie, Florida

Emission Designator: 800KF9D

Max EIRP: 80 dBW

Max EIRP Density: 57 dBW / 4KHz

2. TT&C Frequencies

Telecommand:

14013 MHz – Horizontal Polarization (Omni)

14493 MHz – Vertical Polarization (Spot)

Telemetry:

11447.5 MHz – Horizontal Polarization (Spot) / Vertical Polarization (Omni)

11454 MHz – Vertical Polarization (Omni) (Spot)