

Discussion of STA Application 2282-EX-ST-2019 Modification of Meshbed STA 1560-EX-ST-2019

STA 1560-EX-ST-2019 was granted November 27th. It is valid from November 1 2019 to May 1 2020.

The purpose of this Meshbed mission was, and remains, to characterize the performance of an experimental phased array communication antenna called FUSE, under a variety of conditions.

We are applying for a modification of this STA to expand the number of TT&C ground stations for our operations to include two RBC ground stations: Deadhorse, File Number: SES-STA-INTR2019-04084, and Fairbanks, File Number: SES-STA-INTR2019-04089. These ground stations will augment housekeeping and subsystem control capability and add necessary communications redundancy. Operations with these ground stations will have the same technical specifications, such as frequency, power, modulation, etc., as the existing authority to communicate with the RBC ground system in Windham, NY.