



**RE: Section 1.65 Notification of corrections to SES-STA-20230302-00246 and request to extend by an additional 60 days temporary authorization to transmit and receive in the Ka spectrum from Call Sign E202162.**

Pacific Dataport INC ("PDI") files this letter pursuant to Section 1.65 of the Federal Communications Commission's ("FCC") rules to update information concerning the referenced satellite earth station Special Temporary Authority ("STA") as well as request an extension of that STA by 60 days.

PDI's earth station located in Eagle Mountain, UT with Call Sign E202162, in combination with Astranis' Aurora4A satellite (also known as "Arcturus"), will be used to provide broadband services to both unserved and underserved populations in Alaska. Rural areas of Alaska have limited access to internet service, let alone at broadband speeds – in an extreme case 71.6% of households in the Yukon-Koyukuk Tract 1 census tract have no access to internet service. Per data collected by both the FCC and the NTIA, the majority of census tracts in Alaska do not have access to 25/3 broadband service and are designated as "unserved." Approval of this STA will allow PDI to begin offering broadband services in the entirety of the state of Alaska from the Eagle Mountain, UT teleport.

This requested STA extension is for modification of the existing license of callsign E202162 located in Eagle Mountain, UT to accommodate operation in the 18.3 to 18.8, 19.7 to 20.2, 28.35 to 28.6, and 29.25 to 30.0 GHz range. As the Arcturus spacecraft built by Astranis is not currently licensed to operate in the 18.8 to 19.3 and 28.6 to 29.1 GHz bands, PDI is not pursuing licensure of those frequencies at this time. To move forward with the operation of this teleport and to best provide broadband services to unserved populations in Alaska we request that this STA be extended by 60 days beginning when the existing STA expires on May 28, 2023.

PDI has been informed by Astranis of a correction to their spacecraft TTC center frequencies and emissions designators. Those corrected center frequencies, bandwidths, and emission designators are included in the table on the second page.

The geolocation of this site is 40° 17' 7.2" N, 112° 1' 27.2" W (NAD83), with a corresponding address of 1082 Belladonna Dr, Eagle Mountain, UT 84005. This teleport is owned and operated by LBiSat.

24/7 points of contact for this mission and license:

Astranis Mission Operations Center ("MOC"): +1 (844) 278-7647

LBiSat (Teleport Operator) Network Operations Center ("NOC"): +1 (801) 501-9090



The sole point of communication included in this STA is Astranis' Aurora4A (Arcturus) satellite located at 163W. Communication with the Permitted List is not requested at this time. PDI has previously submitted a letter from Astranis to satisfy the coordination requirements covered by 47 CFR § 25.220. Additionally, PDI intends to comply with all coordination agreements reached by Astranis.

Carriers included in this STA are the following:

| <b>Center Frequency</b> | <b>Bandwidth</b> | <b>Emissions Designator</b> | <b>Polarity</b> | <b>Transmit or Receive</b> | <b>Purpose</b> |
|-------------------------|------------------|-----------------------------|-----------------|----------------------------|----------------|
| 18.55 GHz               | 500 MHz          | 500MG7D                     | LHCP            | R                          | Modulated Data |
| 19.95 GHz               | 500 MHz          | 500MG7D                     | LHCP            | R                          | Modulated Data |
| 19.702                  | 2 MHz            | 2M00G1D                     | RHCP            | R                          | TT&C           |
| 19.705                  | 2 MHz            | 2M00F3D                     | LHCP            | R                          | TT&C           |
| 28.475 GHz              | 250 MHz          | 250MG7D                     | LHCP            | T                          | Modulated Data |
| 28.475 GHz              | 250 MHz          | 250MG7D                     | RHCP            | T                          | Modulated Data |
| 29.625 GHz              | 750 MHz          | 750MG7D                     | LHCP            | T                          | Modulated Data |
| 29.625 GHz              | 750 MHz          | 750MG7D                     | RHCP            | T                          | Modulated Data |
| 28.352 GHz              | 2 MHz            | 2M00F3D                     | RHCP            | T                          | TT&C           |
| 28.355 GHz              | 2 MHz            | 2M00G1D                     | LHCP            | T                          | TT&C           |