To: BlackSky Global 1-4 Commercial Satellite Constellation Application File
(FCC File No. SAT-LOA-20180320-00023)

Re: Update Regarding Planned Earth Stations

Date: June 7, 2018

BlackSky Global, LLC ("BlackSky") hereby updates the above referenced application to provide the following information regarding its planned earth stations:

BlackSky provided information in its Application (Exhibit A) regarding its then-planned earth stations to communicate with the Global 1-4 constellation.[1] BlackSky noted that additional earth stations could be added and stated it would come back to the Commission for such additional authority as may be needed for their operation.

Subject to licensing in their countries of administration, BlackSky has now made arrangements for the addition of two such earth stations, one in Usingen, Germany, to communicate with Globals 1-4, and the other in Svalbard, Norway, to communicate with Global-1 and Global-2. Technical parameters for each of these planned earth stations is set forth below:

- Svalbard, Norway
    - Lat/Long: 78°14'N / 15°24'E (78.229121, 15.395045)
    - Site elevation: 450 meter above sea level
    - Site address: Svalbard Satellite Services, SvalSat
      Platåberget, PB 458
      9171 LONGYEARBYEN, Sweden
- Usingen, Germany
    - Lat/Long: 50° 19' 51" N, 08° 28' 16" E
    - Site elevation: 383 m AMSL
    - Site address: Erdfunkstelle 1
      61250 Usingen, Germany

- UHF uplink (applicable to both sites):

[1] With regard to the earth station facilities that were already identified in the Application, BlackSky also wishes to clarify that the Alaska station is intended to communicate with Global-1 and Global-2 and the New Zealand station is intended to communicate with Global 1-4.

- Center frequency: 450.2 MHz
- Bandwidth: 30 kHz
- Emission designator: 30K0F1D
- Modulating signal: GMSK
- Polarization: RHCP
- EIRP: 22.8 dBW
- Beamwidth: 30 deg
- Azimuth: 0-360 deg (LEO tracking)
- Elevation: 5-90 deg (LEO tracking)

- S-band uplink (applicable to both sites except where indicated otherwise):
  - Center frequency: 2071.875 MHz
  - Bandwidth: 200 kHz
  - Emission designator: 200KF1D
  - Modulating signal: GMSK
  - Polarization: RHCP
  - EIRP: 47.4 dBW for Usingen, 44.8 dBW for Svalbard
  - Beamwidth: 1.3 deg for Usingen, 1.4 degrees for Svalbard
  - Azimuth: 0-360 deg (LEO tracking)
  - Elevation: 5-90 deg (LEO tracking)