

FCC Form 312

FEDERAL COMMUNICATIONS COMMISSION
Application for Earth Station: AMD - Main Form
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*Reissued: September 8, 2025

SAT-MOD-20211230-00205;

File # SAT-AMD-20220805-00078



GRANTED*
Space
Bureau

Call Sign S3032 Grant Date 08/14/2025
(or other identifier)
From: August 14, 2025 To: December 29, 2033*
Approved Jonathan R Markeman
Acting Division Chief
Satellite Programs and Policy Division

*with conditions

Applicant Information (Q1 - 16)

Applicant

Enter a description of this application to identify it on the main menu:

BlackSky seeks to modify its blanket lic

FRN

0023079916

Name

BlackSky Global LLC

Doing Business As (DBA)

Street Address

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Street Address 2

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State

VA

Zip Code/Postal Code

20171

Country

United States of America

☐ Contact Same as Applicant

Contact

FRN

Name

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Relationship

Legal Counsel

Classification of Filing

ICFS File No(s):	SAT-MOD-20211230-00205, SAT-AMD-20220805-00078 ¹	GRANTED² – With Conditions  Space Bureau Satellite Programs and Policy Division
Licensee/Grantee:	BlackSky Global LLC (BlackSky)	
Call Sign:	S3032	
Satellite Name:	BlackSky Global Satellites ³	
Orbital Location: (required station- keeping tolerance)	Non-Geostationary Orbit (NGSO) • Global-1, Global-2, and Global-4, operating at orbital altitudes ranging from 440 km to 575 km and with inclinations of approximately 97.5 degrees (Global-1 and -2) and 45 degrees (Global-4). • Up to 11 satellites (Global-5 through Global-15) operating at orbital altitudes ranging from 385 km to 600 km and with inclinations ranging from 35 degrees to 60 degrees. • Global 16, and replacements for two satellites, operating at orbital altitudes ranging from 385 km to 500 km and with inclinations ranging from 40 degrees to 60 degrees.⁴ • Global 8 operating at orbital altitudes ranging from 340 to 385 km and with inclination at 53 degrees. 14 satellites (and replacements for the total constellation of 30 authorized satellites) operating in an orbital range of 385-550 km and inclination between 35 and 60 degrees or sun-synchronous orbit (nominal 97 degrees).	

¹ The application was originally placed on Public Notice as accepted for filing on January 7, 2022. *See Policy Branch Information, Applications Accepted for Filing*, Public Notice, Report No. SAT- 01600 (rel. Jan. 7, 2022). The amended application was originally placed on Public Notice as accepted for filing on December 23, 2022. *See Policy Branch Information, Applications Accepted for Filing*, Public Notice, Report No. SAT- 01689 (rel. Dec. 23, 2022). We previously addressed only those updates BlackSky has specified for its “Gen-2” satellites, and deferred action on the requests related to its “Gen-3” satellites. *See Policy Branch Information, Actions Taken*, Public Notice, Report No. SAT-01693 (ICFS File Nos. SAT-MOD-20211230-00205; SAT-AMD-20220805-00078) (granted in part, deferred in part Jan. 13, 2023, reissued Feb. 9, 2023). On January 17, 2023, Space Exploration Technologies Corp. (SpaceX) filed an *ex parte* letter. Letter from David Goldman, Director of Satellite Policy, SpaceX, to Marlene H. Dortch, Secretary, FCC at 1 (dated Jan. 17, 2023) (*SpaceX Letter*). We previously declined to include additional conditions and continue to do so at this time.

² This grant-in-part/defer-in-part authorization was re-issued to correct the orbital range and inclination. *See Satellite Licensing Division and Satellite Programs and Policy Division Information, Space Station Applications Actions Taken*, DA 25-88, Public Notice, SAT-Report No. 01888 (granted Jan. 22, 2025; reissued Jul. 24, 2025). The grant also updated Federal coordination conditions for the 400-402 MHz band. This grant is reissued here as a full grant, as conditioned.

³ On October 1, 2021, BlackSky filed a supplement explaining that following the launch of Global 1-4, its internal satellite nomenclature deviated from the satellite numbering specified in its FCC grant. We will continue to refer to the satellites consistent with the numbering in the original grant, and BlackSky must continue to use these numbers in its correspondence with the Commission. *See ICFS File No. SAT-MOD-20190802-00070, Satellite Nomenclature Supplement* (filed Oct. 1, 2021). In order to facilitate correlation of satellite names with specific space objects, it is recommended that BlackSky also include reference to international designators and/or satellite catalog numbers in future filings. Regardless of naming conventions, BlackSky’s system may not exceed the total numbers of simultaneously operating satellites (30) specified in this grant. This grant in part addresses BlackSky’s “Gen-3” satellites.

⁴ *See Scope of Grant. See also* Letter from Jonathan L. Wiener, Attorney, BlackSky Global LLC, to Marlene H. Dortch, Secretary, FCC, ICFS File No. SAT-MOD-20221230-00205, at n.2 (filed Sept. 13, 2022) (noting that there will be a total of three “Gen-2” satellites).

Administration:	United States of America	
Nature of Service:	Earth Exploration Satellite Service (EESS)	
Scope of Grant:	Modification to authorize BlackSky to: (1) deploy and operate twenty-six (26) additional Gen-3 satellites at altitudes between 385 and 550 kilometers to complete its deployed constellation total of 30 simultaneously-operating Gen-3 satellites.	
Previous Grant(s):	Authority to construct, deploy, and operate a constellation of up to four technically identical NGSO space stations, initially deployed to orbital apogee altitudes ranging from 460 km to 585 km and with inclinations ranging from 42 degrees to polar sun-synchronous (nominal 98 degrees).⁵ ICFS File No. SAT-LOA-20180320-00023. Modification of authority for up to four satellites to include: (i) a change in the propulsion system to be employed for Global-4 from a butane-based to water-based system; and (ii) to modify the lower end of the altitude range, to specify 435 km instead of 460 km.⁶ ICFS File No. SAT-MOD-20190314-00015. Modification of authority to add 12 additional satellites (Global-5 through Global-16), operating at orbital altitudes ranging from 385 km to 600 km and with inclinations ranging from 35 degrees to 60 degrees, and utilizing additional secondary downlink TT&C frequencies at 401.4375 MHz, 401.225 MHz, 401.155 MHz, 401.085 MHz, 401.015 MHz and/or 400.875 MHz.⁷ ICFS File No. SAT-MOD-20190802-00070. Modification of license to authorize construction, deployment, and operation of the Global 16 satellite, and two replacement satellites with different technical parameters than those previously authorized. Specifically, the three satellites have these parameters: (1) operations in orbits ranging between 385 km and 500 km, with inclinations between 40 degrees and 60 degrees; (2) a water-based propulsion system; and (3) certain other technical changes.⁸ ICFS File Nos. SAT-MOD-20211230-00205, SAT-AMD-20220805-00078. Modification to authorize BlackSky to: (1) deploy and operate four (4) Gen-3 satellites at altitudes between 385 and 550 kilometers toward completion of its deployed constellation total of 30 simultaneously-operating satellites; (2) deploy Gen-3 satellites as replacement satellites for the 30-satellite constellation during the license term; and (3) operate the Gen-3 satellites using the 1525-1559 MHz and 1626.5-1660 MHz bands for inter-satellite links the Inmarsat-4 geostationary satellite constellation.⁹	
Service Area(s):	Global. <i>See</i> ICFS File No. SAT-MOD-20190802-00070, Schedule S Tech Report and associated antenna gain contours.	
Frequencies: ¹⁰	8025-8400 MHz (space-to-Earth) (8200.0 MHz center frequency with 165.0 MHz and 330.0 MHz bandwidth (Gen-3 satellites); 8125 MHz center frequency with 200 MHz bandwidth (Gen-2 satellites)) (remote sensing data)	

⁵ ICFS File No. SAT-LOA-20180320-00023 (corrected grant issued Oct. 3, 2018).

⁶ *See Policy Branch Information, Actions Taken*, Public Notice, Report No. SAT-01379 (ICFS File No. SAT-MOD-20190314-00015) (grant May 16, 2019).

⁷ *See Policy Branch Information, Actions Taken*, Public Notice, Report No. SAT- 01470 (ICFS File No. SAT-MOD-20190802-00070) (corrected grant issued June 3, 2020).

⁸ *See Policy Branch Information, Actions Taken*, Public Notice, Report No. SAT- 01693 (ICFS File Nos. SAT-MOD-20211230-00205, SAT-AMD-20220805-00078) (grant Jan. 10, 2023).

⁹ ICFS File Nos. SAT-MOD- 20211230-00205, SAT-AMD-20220805-00078 (granted in part Jan. 22, 2025; reissued Jul. xx, 2025).

¹⁰ With respect to those frequency bands shared with Federal spectrum users, Federal operators have indicated that Federal missions brought into use after BlackSky's requested 30-satellite constellation may prevent future modification or renewal of BlackSky's operations.

	1575.42 MHz (GPS) (receive) Inter-satellite: 1525-1559 (space-to-space) (BlackSky Global to Inmarsat satellites) 1626.5-1660 MHz (space-to-space) (Inmarsat satellites to BlackSky Global) Telemetry, Tracking, and Command (TT&C) frequencies: 2025-2110 MHz (Earth-to-space) 2071.875 MHz center frequency with 200 kHz bandwidth (primary¹¹ TT&C uplink) 8025-8400 MHz (space-to-Earth) (8200.0 MHz center frequency with 165.0 MHz and 330.0 MHz bandwidth (Gen-3 satellites); 8125 MHz center frequency with 200 MHz bandwidth (Gen-2 satellites)) 2200-2290 MHz (space-to-Earth) 2249.0 MHz and 2258.0 MHz center frequencies with 460 kHz bandwidth (primary TT&C downlink) 401.5 MHz, 401.4375 MHz, 401.375 MHz, 401.225 MHz, 401.155 MHz, 401.085 MHz, 401.015 MHz and/or 400.875 MHz 400.945, 400.735, and 400.665 MHz (Gen-2 and Gen-3)(space-to-Earth) (secondary TT&C downlink) 449.75-450.25 MHz (Earth-to-space) 450.2 MHz center frequency with 30 kHz bandwidth (secondary TT&C uplink)
Unless otherwise specified herein, operations under this grant must comport with the legal and technical specifications set forth by the applicant or petitioner and with the Federal Communications Commission’s rules not waived herein. This grant is also subject to the following conditions: 1. BlackSky’s space-to-Earth and Earth-to-space operations shall be strictly limited to durations when the BlackSky Gen-3 space stations referenced within this license request are visible to the corresponding earth station locations listed in Appendix of this grant, noting additional conditions within this grant. 2. BlackSky must maintain the satellites in their respective orbits noted in this grant and shall not be in-phase with Federal agencies satellite systems. In the event changes to the orbit parameters are required, BlackSky shall complete coordination with Department of Commerce/National Oceanic and Atmospheric Administration (DOC/NOAA), Air Force Spectrum Management Office (AFSMO), and National Aeronautics and Space Administration (NASA) before making any changes to the orbits, and seek license modification, as necessary, if outside of previously authorized orbital parameters. 3. BlackSky shall tune TT&C UHF links to those coordinated and agreed with NOAA to minimize interference to NOAA GOES Data Collection System (DCS) and radiosonde operations. Any future changes to operations authorized herein must be coordinated with DOC/NOAA, with the understanding that the spectrum requested may not be available. For future mission planning, BlackSky shall transition out of 401-406 MHz to avoid interference to DCS and radiosondes. 4. For transmissions in the 400.5-401 MHz band, BlackSky shall cease transmissions when a BlackSky satellite is less than 530 km from the NASA International Space Station (ISS), NORAD ID 25544. For Gen-3 satellites in the BlackSky Global satellite constellation, beacon operations are prohibited in 400.5–401 MHz channels (400.945, 400.735, and 400.665 MHz channels collectively). However, back-up TT&C operations are permitted. 5. For the downlink (space-to-Earth) emission centered at 401.225 MHz, BlackSky shall cease transmissions when NASA PTD series satellites are within view of a BlackSky earth station, such as PTD-4 (NORAD ID 60565) and PTD-R NORAD ID (60523). 6. For the BlackSky Gen-3 satellites operating under normal TT&C downlink, BlackSky shall adhere to a limit of 6,350 minutes (over 90 days) transmitting on channels in the 400.5–401 MHz range (400.945,	

¹¹ The primary means for communication of space operations data concerning the satellites is to use the 2025-2110 and 8025-8400 MHz bands, typically together with operations necessary for downlinking remote sensing data. The UHF frequencies provide a secondary means for such operations. Both primary and secondary TT&C links can be used for “normal” operations, i.e., routine TT&C.

400.735, and 400.665 MHz channels collectively) and limit of 6,350 minutes (over 90 days) transmitting on 401.015/401.085/401.155/401.225/401.375/401.4375/401.5 MHz channels collectively.

7. For BlackSky Global satellites operating under normal TT&C downlink, operations utilizing a maximum of two BlackSky satellites launching within the 90-day period in the band 401-402 MHz, operations are limited to 7,612 minutes (over 90 days), transmitting on 401.015/401.085/401.155/401.375/401.4375/401.5 MHz channels collectively.
8. For satellites in the BlackSky Global Gen-2 and Gen-3 satellite constellation going through LEOP or an anomaly event, lasting up to 10 days, that use the following frequencies:

401.155 MHz, 401.225 MHz, and/or 401.375 MHz

401.0-401.1 MHz and/or 401.4-401.515 MHz frequency range

BlackSky must only operate one satellite per frequency (or frequency range, where applicable) at a 3% transmit duty cycle for the duration of the LEOP/anomaly event for any of the satellites addressed in this condition. Following the end of the LEOP/anomaly event, BlackSky shall only operate normal TT&C downlinks on two satellites per frequency (or frequency range, where applicable) at a 3% transmit duty cycle, for a duration of 30 days after the start of the LEOP/anomaly event for any of the satellites addressed in this condition. Subject to condition 4, above, beacons on a satellite going through a LEOP/anomaly event may use any licensed frequency, but when the BlackSky Global satellite constellation will operate beacon transmissions using frequencies in the range 401.0-401.1 MHz and/or 401.4-401.515 MHz, BlackSky shall use only one frequency in each range and it must be limited to only one satellite beacon per frequency range. This condition may be modified through a completed coordination agreement with DOC/NOAA.

9. Operations in the 400.15-402 MHz (space-to-Earth) frequency band are limited to the BlackSky Gen-2 and Gen-3 satellite transmissions and shall not exceed the long-term interference criteria limit of -162.4 dBW, as specified in Table 2 (Type C) of Recommendation ITU-R RS.1263-3.
10. Operations in the 449.75-450.25 MHz (Earth-to-space) frequency band are limited to telecommand and must be consistent with footnote US87 to the U.S. Table of Frequency Allocations, 47 CFR § 2.106. BlackSky must take all practical steps to keep the telecommand carrier frequency close to 450 MHz.
11. In the U.S. Table of Frequency Allocations, the band 1525-1559 MHz is allocated to the Mobile-Satellite (space-to-Earth) Service on a primary basis for Federal and non-Federal use. BlackSky's request for a waiver of the U.S. Table of Frequency Allocations, 47 CFR § 2.106(a), with respect to reception of inter-satellite signals from the Inmarsat satellite system in the 1525-1559 MHz frequency bands is GRANTED, on an unprotected, non-interference basis, except for the 1544-1545 MHz band, which is limited to distress and safety communications. (47 CFR § 2.106(a), (b)(356)).¹² Although the allocations in this frequency band do not include a directional indicator for space-to-space communications, reception by the BlackSky satellites of these frequencies will not in any way alter the interference environment, as the received signal will be indistinguishable in its technical characteristics from signals transmitted in the allocated space-to-Earth direction.
12. BlackSky's request for a waiver of the Table of Frequency Allocations, 47 CFR § 2.106(a), to transmit intersatellite signals from the Inmarsat satellite system in the 1626.5-1660.5 MHz frequency bands on an unprotected, non-interference basis, is GRANTED.¹³ The allocation for the Mobile-Satellite Service in which the Inmarsat system operates and that encompasses these bands does not include a space-to-space directional indicator. BlackSky states that transmission on a nonconforming basis in the L-band frequencies will occur only on frequencies that Inmarsat assigns to the spaceborne Inmarsat BGAN terminals onboard the BlackSky spacecraft.¹⁴ BlackSky notes that these

¹² See Legal Narrative at 30-32.

¹³ *Id.*

¹⁴ *Id.* at 21.

transmissions are approved and supported by Inmarsat and fall within its licensed spectrum.¹⁵ Inmarsat will assign channels to the spacecraft consistent with its coordination agreements with other operators in the band, ensuring that there is no harmful interference between these systems.¹⁶ Inmarsat will maintain the same extent of positive control of BlackSky's operations as it does for its other L-band users and will thereby be able to address any interference issues as required by Section 25.287 of the Commission's rules.

13. We grant, on our own motion, a waiver of the U.S. Table of Frequency Allocations, 47 CFR § 2.106(a) to allow non-conforming use of the 2025-2110 MHz and the 2200-2290 MHz bands for BlackSky's TT&C, subject to the condition that BlackSky operates on a non-harmful interference basis, accepts any interference from authorized services in these bands, and complies with the other conditions below regarding operations in these bands. BlackSky intends to operate TT&C in these frequencies but will not operate in the EESS using these frequency bands. In the band 2025-2110 MHz, non-Federal Earth-to-space transmissions may be authorized in the space research and Earth exploration-satellite services, however, this does not include operations solely in the space operations service. 47 CFR § 2.106(a), (c)(347). In this instance we find good cause to waive the Table of Allocations to allow BlackSky to operate command links only with its satellites based on BlackSky's coordination with federal users in the frequency band, which should ensure that any authorized federal users are protected from harmful interference. The 2200-2290 MHz band is allocated on a primary and secondary basis for non-Federal space operations (space-to-Earth) for pre-launch testing and space launch operations, but not for non-Federal standard space operations; transmissions in the space operations, space research, and Earth exploration-satellite services EESS transmit to the Tracking and Data Relay Satellite System (space-to-space) in 2285-2290 MHz. 47 CFR § 2.106(a), (c)(96) and 47 CFR § 2.106(a), (c)(303). Additionally, BlackSky shall be aware that non-Federal space-to-Earth transmissions in the 2200-2290 MHz band are not permitted to earth stations within the United States and its Possessions. Again, based on BlackSky's coordination with federal users in the frequency band, which should ensure that any authorized federal users are protected from harmful interference, we find good cause to waive the Table of Allocations to allow BlackSky to operate telemetry and tracking with its BlackSky satellites in the 2200-2290 MHz band.
14. In the 2025-2110 MHz band, all uplink transmissions (Earth-to-space) centered at 2071.875 MHz shall be limited to a duty cycle of 35% per satellite, per earth station.
15. Power flux-density levels from operation in the 2200-2290 MHz band must not exceed the limits in Table 21-4 of the ITU Radio Regulations and must meet the protection criteria in Recommendation ITU-R SA.1157-1 and Recommendation ITU-R SA.609-2.
16. In the 2200-2290 MHz band:
 - a. BlackSky shall not transmit to earth stations located within the US&P, including Dededo, Guam; and Brewster, WA;
 - b. BlackSky shall limit the duty cycle of the 2249.0 MHz transmission to 20% per satellite per earth station for downlink transmissions to Invercargill, Usingen, and Athens earth stations;
 - c. BlackSky shall limit the duty cycle of the 2258.0 MHz transmission to 4 % per satellite per earth station; and
17. Transmissions of remote-sensing data in the 8025-8400 MHz frequency band may only be made to earth stations coordinated with the National Aeronautics and Space Administration (NASA) and documented in a Memorandum of Agreement (MOA). BlackSky shall provide the FCC with an updated list of coordinated earth stations within ten business days following any changes to that list.¹⁷
18. In the 8025-8400 MHz band, use of Federal or government-sponsored non-Federal ground stations shall be coordinated by BlackSky's federal government customers with AFSMO

¹⁵ *Id.*

¹⁶ *Id.*

¹⁷ A list of earth stations already coordinated with federal agencies is attached as Appendix to this grant.

(jimmy.nguyen@us.af.mil), NASA (HQ-SatCoord@mail.nasa.gov) and DOC/NOAA (spectrum.info@noaa.gov).

19. Power flux-density limits levels at the surface of the earth from BlackSky's operation in the 8025-8400 MHz band must not exceed the limits in No. 22.5 and Table 21-4 of the ITU Radio Regulations, must meet the limits/protection criteria in Recommendation ITU-R SA.1157-1, and must follow the guidelines in Recommendation ITU-R SA. 1810. BlackSky's Gen-2 satellites (Global-1 to Global-16) out of band emissions exceed the deep space protection criteria in ITU-R SA.1157-1. However, BlackSky has implemented CONOPS techniques (power reductions and pointing masks) to reduce the interference into the deep space stations identified in ITU-R SA.1014-4. While the NASA validation of BlackSky's mitigation techniques has not been completed, a cursory review indicates a high probability the techniques provide adequate protection to the present deep space stations, in the short-term. Therefore, BlackSky shall continue to implement these techniques on the Gen-2 constellation and shall decrease power further for the Gen-2 satellites commensurate with the altitude decrease. Upon completion of NASA validation of the techniques, BlackSky shall implement any modifications or additional restrictions identified by NASA within ten business days. BlackSky shall notify the FCC, NTIA, and NASA of full implementation of additional restrictions within five business days. BlackSky shall be aware that long-term approval of mitigation techniques will require more stringent restrictions than currently being employed. BlackSky's Gen-3 satellites (remaining 14 satellites identified in this grant) predicted out of band emissions do not exceed the deep space protection criteria in ITU-R SA.1157-1. Prior to Gen-3 operation, BlackSky shall provide NASA measured out of band emission performance to confirm deep space protection criteria is not exceeded. If measured performance exceeds the deep space protection criteria, BlackSky shall cease Gen-3 satellite space-to-Earth transmissions centered at 8200 MHz when the spacecraft is within radio line- of-sight of the earth station locations listed in Table 3 of Recommendation ITU-R SA.1014-4 (or current in-force version of SA.1014). BlackSky shall provide the FCC, with copy to NASA, the outcome of Gen-3 measured out of band emission performances within ten business days. Any alternative mitigation techniques to achieve the deep space interference protection criteria shall be coordinated with NASA prior to deviating from the radio line- of-sight restriction. BlackSky shall provide the FCC, with copy to NASA, the specific mitigation technique(s) to protect the deep space stations within ten business days of completion of coordination with NASA.
20. The BlackSky's STOP BUZZER POC information for operations in the 8025-8400 MHz band shall be provided to NTIA (ravery@ntia.gov) and NASA (HQ-SatCoord@mail.nasa.gov).
21. Within 30 days after launching each satellite authorized herein, BlackSky must file a notification with the Commission specifying the satellite's orbital altitude and inclination as well as notify AFSSMO (jimmy.nguyen@us.af.mil), NASA (HQ-SatCoord@mail.nasa.gov) and DOC/NOAA (spectrum.info@noaa.gov).

Licensee/grantee is afforded thirty (30) days from the date of release of this action to decline the grant as conditioned. Failure to respond within this period will constitute formal acceptance of the grant as conditioned.

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

Station licenses are subject to the conditions specified in Section 309(h) of the Communications Act of 1934, as amended, 47 U.S.C. § 309(h).

Action Date:	August 14, 2025 – Reissued: September 8, 2025	
Term Dates	From: August 14, 2025	To: December 29, 2033

Approved:

Jonathan R. Markman
Acting Chief, Satellite Programs and Policy Division

APPENDIX :
NASA Coordinated Earth
Stations BlackSky Earth Station
Locations

Name	Location	Site Elevation (meters AMSL)	Latitude (N)	Longitude (E)
Invercargill	781 Colyer Road, Awarua Plains 9877 NEW ZEALAND	24	46° 31' 43" S	168° 22' 52" E
Svalbard	Svalbard Satellite Services, SvalSat Platåberget, PB 458 9171 Longyearbyen, NORWAY	450	78° 13' 45" N	015° 23' 42" E
Usingen	Erdfunkstelle 1 61250 Usingen, GERMANY	383	50° 19' 51" N	008° 28' 16" E
Guam (E190037)	Birandan Anakko 168 Dededo, Guam, GU, 96929	72	13° 30' 49" N	144° 49' 31" E
Chitose	066-0051 Hokkaido Chitose-shi Izumizawa 1007-199 JAPAN	71	42° 46' 28" N	141° 37' 28" E
Athens	Nemea, Greece. OTE S.A. NEMEA Satellite Communications Center, 6th km Petriou-Korinthias Rd, 20500 Nemea Korinthias Greece	186	37°50'43"N	22°37'25"E
Hartebeesthoek	Hartebeesthoek, SANSA, Farm No 502JQ, Hartebeesthoek, District Krugersdorp South Africa	1542	25°53'08"S	27°42'20"E
Longovilo	Longovilo Teleport (Entel) Camino a Rapel Km. 42 San Pedro, Region Metropolitana, Chile	154	33°57'22"S	71°24'04"W
Brewster	66c Teleport Dr Brewster, WA 98812, USA	384	48° 08' 45"N	119° 42' 00"W
Punta Arenas	348H+2J Maria Olvio, Punta Arenas, Chile	16	52° 56' 06" S	70° 52' 16" W
Jeju	CONTEC, 304ho, 2708-19, Iljudong-ro, Gujwa-eup, Jeju-si, Jeju-do, Republic of Korea 63359	50	33° 32' 28" N	126° 48' 58"E

Cheonan	89-28, Daeheung 2- gil, Seongnam-myeon, Dongnam-gu, Cheonan-si, Chungcheongnam-do, Republic of Korea, 31248	58	36° 43' 36" N	127° 14' 34"E
Mauritius	Mauritius Telecom Landing Station Sainte Marie Baie Jacotet Mauritius	32	20° 30' 3" S	57° 27' 2" E

17a. Select the appropriate classification of application from the drop-down menu below:

b3. Amendment to a Pending Application

Application Fees

17b. Will a fee be paid?

☒ Yes ☐ No

17c. If yes, select the appropriate fee code for the application.

FAF

17d. Fee Classification B

Fee Amount

\$1,900

Waivers

18a. Does the Applicant request a waiver(s) of the Commission's rules?

☒ Yes ☐ No

18b. Identify the rule section(s) for which a waiver is sought from the below.

18c. Waiver Request Documentation

*

19a. If this filing is an amendment to a pending application, enter date pending application was filed:

2021-12-30

19b. If this filing is an amendment to a pending application, enter file number of pending application:

SAT-MOD-20211230-00205

Type of Service

20. NATURE OF SERVICE: This filing is for an authorization to provide or use the following type(s) of service(s): Select all that apply.

Earth Exploration-Satellite Service

21. Status

☐ Common Carrier ☒ Non-Common Carrier ☐ N/A

22. Select all that apply from the drop-down below:

U.S. Licensed Satellites

23. If Applicant is providing INTERNATIONAL COMMON CARRIER service, see instructions regarding Sec. 214 filing. Are these facilities:

☐ Connected to the Public Switched Network ☐ Not Connected to the Public Switched Network ☒ N/A

24. FREQUENCY BAND(S): Select the box(es) next to all applicable frequency band(s).

Check all that apply

- ☐ 24a. VHF-Band (30-300 MHz)
☐ 24b. UHF-Band (300-1000 MHz)
☐ 24c. L-Band (1-2 GHz)
☐ 24d. S-Band (2-3 GHz)
☐ 24e. C-Band (3.5-8 GHz)
☐ 24f. X-Band (8-10 GHz)
☐ 24g. Ku-Band (10-14.5 GHz)
☐ 24h. Ka-Band (17-30 GHz)
☐ 24i. Q/V-Band (35-75 GHz)
☐ 24j. Other Frequency Band

24j. Other Frequencies

8025 MHz 8400 MHz T

Type of Station

25a. CLASS OF STATION: Select the Class of Station/Orbit Type

Non-Geostationary Space Station

25b. Estimated Operational Lifetime of Space Station(s) From Date of Launch (years)

5

25c. Space Station or Satellite Network Name

BlackSky Gen-3 Constellation

25d. Does the applicant intend to use a non-U.S. licensed satellite to provide service in the United States?

☐ Yes ☒ No

If Yes, attach an exhibit providing the information specified in 47 C.F.R. 25.137, as appropriate.

*

25e. What administration has licensed or is in the process of licensing the space station? If no license will be issued, what administration has coordinated or is in the process of coordinating the space station?

United States of America

26. Type of Earth Station

☐ Transmit/Receive ☐ Transmit-only ☐ Receive-only

Purpose of Modification

27. The purpose of this proposed modification or amendment is to:

Check all that apply

- ☐ 27a. Authorization to add new emission designator and related service
☐ 27b. Authorization to change emission designator and related service
☐ 27c. Authorization to increase EIRP and EIRP density
☐ 27d. Authorization to replace antenna
☐ 27e. Authorization to add antenna
☐ 27f. Authorization to relocate fixed station
☐ 27g. Authorization to change assigned frequency(ies)
☐ 27h. Add frequencies

- ☐ 27i. Authorization to add Points of Communication
☐ 27j. Authorization to change Points of Communication
☐ 27k. Authorization for facilities for which environmental assessment and radiation hazard reporting is required
☐ 27l. Authorization to change orbit location
☐ 27m. Authorization to perform fleet management
☐ 27n. Authorization to extend milestones
☐ 27o. Other

27o. Other (Specify)

Environmental Policy

28a. Would a Commission grant of any proposal in this application or amendment have a significant environmental impact as defined by 47 CFR 1.1307? 

☐ Yes ☒ No ☐ N/A

If YES, submit the statement as required by Sections 1.1308 and 1.1311 of the Commission's rules, 47 CFR §§ 1.1308 and 1.1311, as an exhibit to this application. 

*

Alien Ownership

29. Is the Applicant a foreign government or the representative of any foreign government?

☐ Yes ☒ No

30. Is the Applicant an alien or the representative of an alien?

☐ Yes ☐ No ☒ N/A

31. Is the Applicant a corporation organized under the laws of any foreign government?

☐ Yes ☐ No ☒ N/A

32. Is the applicant a corporation of which more than one-fifth of the capital stock is owned of record or voted by aliens or their representatives or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country?

☐ Yes ☐ No ☒ N/A

33. Is the applicant a corporation directly or indirectly controlled by any other corporation of which more than one-fourth of the capital stock is owned of record or voted by aliens, their representatives, or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country?

☐ Yes ☐ No ☒ N/A

34. If any answer to questions 29, 30, 31, 32 and/or 33 is Yes, attach as an exhibit an identification of the aliens or foreign entities, their nationality, their relationship to the Applicant, and the percentage of stock they own or vote.

*

Basic Qualifications

35. Has the applicant or any party to this application or amendment had any FCC station authorization or license revoked or had any application for an initial, modification or renewal of FCC station authorization, license, or construction permit denied by the Commission?

☐ Yes ☒ No

36. Has the Applicant, or any party to this Application or amendment, or any party directly or indirectly controlling the Applicant ever been convicted of a felony by any state or federal court?

☐ Yes ☒ No

37. Has any court finally adjudged the applicant, or any person directly or indirectly controlling the applicant, guilty of unlawfully monopolizing or attempting unlawfully to monopolize radio communication, directly or indirectly, through control of manufacture or sale of radio apparatus, exclusive traffic arrangement or any other means or unfair methods of competition?

☐ Yes ☒ No

38. Is the Applicant, or any person directly or indirectly controlling the Applicant, currently a party in any pending matter referred to in the preceding two items?

☐ Yes ☒ No

39. If the applicant is a corporation and is applying for a space station license, attach as an exhibit the names, address, and citizenship of those stockholders owning a record and/or voting 10 percent or more of the Filer's voting stock and the percentages so held. In the case of fiduciary control, indicate the beneficiary(ies) or class of beneficiaries. Also list the names and addresses of the officers and directors of the Filer.

*

☐ 40. Anti-drug

- The Applicant certifies that neither it nor any other party to the application is subject to a denial of Federal benefits, including FCC benefits, pursuant to section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. § 862, because of a conviction for possession or distribution of a controlled substance. See 47 CFR § 1.2002(b) for the meaning of "party of application" for these purposes. This certification does not apply to applications filed in services exempted under § 1.2002(c) of the rules, or to Federal State or local governmental entities or subdivisions thereof. See 47 CFR § 1.2002(c).

- The Applicant certifies that all of its statements made in this Application and in the attachments or documents incorporated by reference are material, are part of this Application, and are true, complete, correct, and made in good faith.

41. Application Description

BlackSky seeks to modify its blanket license for the construction, deployment, and operation of an NGSO-like ESS constellation to include include the launch and operation of BlackSky's next generation satellites Gen-3.

42. Geographic service certification

- ☒ (A) By selecting A, the undersigned certifies that the applicant is not subject to the geographic service or geographic coverage requirements specified in 47 C.F.R. Part 25.
- ☐ (B) By Selecting B, the undersigned certifies that the applicant is subject to the geographic service or geographic coverage requirements specified in 47 C.F.R. Part 25 and will comply with such requirements.
- ☐ (C) By selecting C, the undersigned certifies that the applicant is subject to the geographic service or geographic coverage requirements specified in 47 C.F.R. Part 25 and will not comply with such requirements because it is not feasible as a technical matter to do so, or that, while technically feasible, such services would require so many compromises in satellite design and operation as to make it economically unreasonable. A narrative description and technical analysis demonstrating this claim are attached.

Attachments/Confidential Treatment of Attachments

43. Is the Applicant requesting confidential treatment of an attachment(s) under section 0.459 of the Commission's rules?

- ☐ Yes ☐ No

Attachment No.	File Name	Description of Attachment	Confidential
1	UT.pdf	Form Attachment	☐
2	XTN.pdf	Form Attachment	☐
3	UT.pdf	Form Attachment	☐
4	UR.pdf	Form Attachment	☐
5	SR.pdf	Form Attachment	☐
6	XTN.pdf	Form Attachment	☐
7	LT.pdf	Form Attachment	☐
8	XTA.pdf	Form Attachment	☐
9	ST.pdf	Form Attachment	☐
10	LR.pdf	Form Attachment	☐
11	XTA.pdf	Form Attachment	☐
12	Public Notice SAT-01937.pdf		☐
13	Exhibit 1 Narrative.pdf	Form Attachment	☐
14	Exhibit 3 Ownership.pdf	Form Attachment	☐
15	Exhibit 2 ODAR.pdf	Form Attachment	☐
16	Application.pdf	Form Attachment	☐
17	Exhibit 4 ITU Cost.pdf	Form Attachment	☐
18	Public Notice SAT-01941.pdf		☐
19	HTML.htm	Form Attachment	☐
20	Sched S Tech Report.pdf	Form Attachment	☐

Certification

The Applicant waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application. The applicant certifies that grant of this application would not cause the applicant to be in violation of the spectrum aggregation limit in 47 CFR Part 20. All statements made in exhibits are a material part hereof and are incorporated herein as if set out in full in this application. The undersigned, individually and for the applicant, hereby certifies that all statements made in this application and in all attached exhibits are true, complete and correct to the best of his or her knowledge and belief, and are made in good faith.

44. Party Authorized to Sign

First Name

MI

Last Name	Suffix
Title	
Chief Operating Officer	
Signature	Date
Nick Merski	

FAILURE TO SIGN THIS FORM MAY RESULT IN DISMISSAL
OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID

WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE
BY FINE AND/OR IMPRISONMENT (U.S. Code, Title 18, Section 1001),
AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT
(U.S. Code, Title 47, Section 312(a)), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503)

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