



File # SAT-LoA-20200921-00112

Call Sign S3074 Grant Date May 24, 2021
(or other identifier)

Approved by OMB
3060-0678

Term Dates
From May 24, 2021 To December 31, 2026

Approved: Merissa L. Velez
Merissa L. Velez
Chief, Satellite Policy Branch

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APPLICATION FOR SATELLITE SPACE STATION AUTHORIZATIONS
FCC 312 MAIN FORM
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APPLICANT INFORMATION

Enter a description of this application to identify it on the main menu:
Application to Drift Asiastar Satellite to 21E for BBIU of AFRIBSS

1-8. Legal Name of Applicant

| | | | |
|------------|---|---------------|------------------------|
| Name: | Silkwave Africa, LLC | Phone Number: | 15714718806 |
| DBA Name: | | Fax Number: | |
| Street: | 12020 Sunrise Valley Drive Suite 100 | E-Mail: | michael.do@nybbsat.com |
| City: | Reston | State: | VA |
| Country: | USA | Zipcode: | 20191 - |
| Attention: | Michael Do | | |

ATTACHMENT TO GRANT
Silkwave Africa LLC
IBFS File No. SAT-LOA-20200921-00112

| | | |
|---|--|--|
| IBFS File No(s): | SAT-LOA-20200921-00112 | <div>GRANTED – With Conditions</div> <div></div> <div>International Bureau Satellite Division</div> |
| Licensee/Grantee: | Silkwave Africa LLC | |
| Call Sign: | S3074 | |
| Satellite Name: | AsiaStar | |
| Orbital Location: (required station-keeping tolerance) | 21.0° E.L. (±0.05 degrees) | |
| Administration: | United States of America | |
| Nature of Service: | Broadcasting-Satellite Service (Sound) | |
| Scope of Grant: | Authority to (1) conduct telemetry, tracking and command operations necessary to drift AsiaStar from the 105° E.L. orbital location to the 21.0° E.L. orbital location, and to maintain it at that location, and (2) operate the AsiaStar space station at the 21.0° E.L. orbital location to provide Broadcasting-Satellite Service (Sound). ¹ | |
| Previous Grant(s): | N/A | |
| Service Area(s): | Africa, Middle East, and Southern Europe. <i>See</i> Engineering Statement at 1. | |
| Frequencies: | 1452-1492 MHz (space-to-Earth) 7025-7075 (Earth-to-space) Telemetry, tracking, and command center frequencies: 1452.5 MHz, 1491.5 MHz (space-to-Earth) 7073.0 MHz, 7074.0 MHz (Earth-to-space) | |
| 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: | | |
| <div><div>1.</div><div>Silkwave must prepare the necessary information, as may be required, for submission to the International Telecommunication Union (ITU) to initiate and complete the advance publication, coordination, due diligence, and notification process of this space station, in accordance with the ITU Radio Regulations. Silkwave will be held responsible for all cost-recovery fees associated with ITU filings. No protection from interference caused by radio stations authorized by other administrations is guaranteed unless coordination and notification procedures are timely completed or, with respect to individual administrations, coordination agreements are successfully completed. Any radio station authorization for which coordination has not been completed may be subject to additional terms and conditions as required to effect coordination of the frequency assignments of other administrations. <i>See</i> 47 CFR § 25.111.</div></div> <div><div>2.</div><div>In connection with the provision of service in any particular country, Silkwave is obliged to comply with the applicable laws, regulations, rules, and licensing procedures of that country.</div></div> <div><div>3.</div><div>Silkwave must operate ASIASTAR at the 21.0° E.L. orbital location in compliance with all existing or future coordination agreements for this location. In the absence of a coordination agreement, such communications must comply with applicable provisions of the ITU Radio Regulations as the Commission cannot guarantee the success of the required coordination.</div></div> | | |

¹Telemetry, tracking and command (TT&C) operations will be conducted through earth stations located in Port Louis, Mauritius and Usingen, Germany. *See* Engineering Statement at 6.

ATTACHMENT TO GRANT
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4. While at the 21.0° E.L. orbital location, Silkwave must maintain the AsiaStar space station with an east/west longitudinal station-keeping tolerance of ± 0.05 degrees.
5. Prior to commencing operations with the AsiaStar space station, Silkwave must file with the Commission the information required by section 25.172 of the Commission's rules, 47 CFR § 25.172, *e.g.*, the 24/7 contact information for a satellite control center and a list of the call signs of any U.S. earth stations, and the locations of any non-U.S. earth stations, that are used or may be used for telemetry, tracking, and command communication with the AsiaStar. In addition to this information, Silkwave must file a current listing of the names, titles, addresses, email addresses and telephone numbers of the points of contact for resolution of interference problems and for emergency response.
6. The license term will end on December 31, 2026. Silkwave must abide by the commitments and undertakings set forth in the March 30, 2021, Letter of Agreement, between Silkwave and the U.S. Department of Justice.²

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.

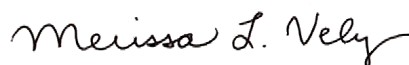
This action is taken pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. § 0.261, and is effective upon release.

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: | May 24, 2021 |
|---------------------|--------------|

| | | |
|-------------------|---------------------------|------------------------------|
| Term Dates | From: May 24, 2021 | To: December 31, 2026 |
|-------------------|---------------------------|------------------------------|

Approved:



Merissa Velez
Chief, Satellite Policy Branch

² See "Petition to Adopt Conditions to Authorization and License" submitted by Kathy Smith, Chief Counsel, National Telecommunications and Information Administration, dated April 23, 2021.

9–16. Name of Contact Representative

| | | | |
|------------|----------------------------|---------------|------------------------|
| Name: | Michael P Do | Phone Number: | 571–471–8806 |
| Company: | Silkwave Africa LLC | Fax Number: | |
| Street: | 12020 Sunrise Valley Drive | E–Mail: | michael.do@nybbsat.com |
| | Suite 115 | | |
| City: | Reston | State: | VA |
| Country: | USA | Zipcode: | 20191 – |
| Attention: | Michael Do | Relationship: | Other |

CLASSIFICATION OF FILING

17. Choose the buttonnext to the classification that applies to thisfiling for both questions a. and b. Choose only one for 17a and only one for 17b.

a.

(N/A) a1. Earth Station

☒ a2. Space Station

b.

☒ b1. Application for License of New Station

(N/A) b2. Application for Registration of New Domestic Receive–Only Station

(N/A) b3. Amendment to a Pending Application

(N/A) b4. Modification of License or Registration

(N/A) b5. Assignment of License or Registration

(N/A) b6. Transfer of Control of License or Registration

(N/A) b7. Notification of Minor Modification

(N/A) b8. Application for License of New Receive–Only Station Using Non–U.S. Licensed Satellite

☐ b9. Letter of Intent to Use Non–U.S. Licensed Satellite to Provide Service in the United States

☐ b10. Replacement Satellite Application – no new frequency bands

☐ b11. Replacement Satellite Application – new frequency bands (Not eligible for streamlined processing)

☐ b12. Petition for Declaratory Ruling to be Added to the Permitted List

(N/A) b13. Other (Please specify)

| | | | | | |
|---|---|---|---|----------------|----------------|
| <p>17c. Is a fee submitted with this application?</p> <p><input checked="" type="radio"/> If Yes, complete and attach FCC Form 159.</p> <p>If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114).</p> <p><input type="radio"/> Governmental Entity <input type="radio"/> Noncommercial educational licensee</p> <p><input type="radio"/> Other (please explain):</p> | | | | | |
| <p>17c. Fee Classification BNY – Space Station (Geostationary)</p> | | | | | |
| <p>18. If this filing is in reference to an existing station, enter:</p> <p>(a) Call sign of station:</p> <p>Not Applicable</p> | | | | | |
| <p>19. If this filing is an amendment to a pending application enter:</p> <table border="0"> <tr> <td>(a) Date pending application was filed:</td> <td>(b) File number of pending application:</td> </tr> <tr> <td>Not Applicable</td> <td>Not Applicable</td> </tr> </table> | | (a) Date pending application was filed: | (b) File number of pending application: | Not Applicable | Not Applicable |
| (a) Date pending application was filed: | (b) File number of pending application: | | | | |
| Not Applicable | Not Applicable | | | | |

TYPE OF SERVICE

| | |
|---|--|
| <p>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:</p> <p> <input type="checkbox"/> a. Fixed Satellite <input type="checkbox"/> b. Mobile Satellite <input type="checkbox"/> c. Radiodetermination Satellite <input type="checkbox"/> d. Earth Exploration Satellite <input type="checkbox"/> e. Direct to Home Fixed Satellite <input checked="" type="checkbox"/> f. Digital Audio Radio Service <input type="checkbox"/> g. Other (please specify) </p> | |
| <p>21. STATUS: Choose the button next to the applicable status. Choose only one.</p> <p> <input type="radio"/> Common Carrier <input checked="" type="radio"/> Non-Common Carrier </p> | <p>22. If earth station applicant, check all that apply.</p> <p>Not Applicable</p> |
| <p>23. If applicant is providing INTERNATIONAL COMMON CARRIER service, see instructions regarding Sec. 214 filings. Choose one. Are these facilities:</p> <p> <input type="radio"/> Connected to a Public Switched Network <input type="radio"/> Not connected to a Public Switched Network <input checked="" type="radio"/> N/A </p> | |
| <p>24. FREQUENCY BAND(S): Place an "X" in the box(es) next to all applicable frequency band(s).</p> <p> <input type="checkbox"/> a. C-Band (4/6 GHz) <input type="checkbox"/> b. Ku-Band (12/14 GHz) <input checked="" type="checkbox"/> c. Other (Please specify upper and lower frequencies in MHz.) Frequency Lower: 1452 Frequency Upper: 1492 (Please specify additional frequencies in an attachment) </p> | |

TYPE OF STATION

25. CLASS OF STATION: Choose the button next to the class of station that applies. Choose only one.

- (N/A) a. Fixed Earth Station
(N/A) b. Temporary–Fixed Earth Station
(N/A) c. 12/14 GHz VSAT Network
(N/A) d. Mobile Earth Station
☒ e. Geostationary Space Station.
☐ f. Non–Geostationary Space Station
☐ g. Other (please specify)

26. TYPE OF EARTH STATION FACILITY: Not Applicable

PURPOSE OF MODIFICATION

27. The purpose of this proposed modification is to: (Place an "X" in the box(es) next to all that apply.) Not Applicable

ENVIRONMENTAL POLICY

28. Would a Commission grant of any proposal in this application or amendment have a significant environmental impact as defined by 47 CFR 1.1307? If YES, submit the statement as required by Sections 1.1308 and 1.1311 of the Commission's rules, 47 C.F.R. §§ 1.1308 and 1.1311, as an exhibit to this application. A Radiation Hazard Study must accompany all applications for new transmitting facilities, major modifications, or major amendments. ☐ Yes ☒ No

ALIEN OWNERSHIP

Earth station applicants not proposing to provide broadcast, common carrier, aeronautical en route or aeronautical fixed radio station services are not required to respond to Items 30–34.

| | |
|--|---|
| 29. Is the applicant a foreign government or the representative of any foreign government? | <input type="radio"/> Yes <input checked="" type="radio"/> No |
| 30. Is the applicant an alien or the representative of an alien? | <input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> N/A |
| 31. Is the applicant a corporation organized under the laws of any foreign government? | <input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> 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? | <input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> 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? | <input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> 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. | Foreign Ownership |

BASIC QUALIFICATIONS

| | |
|--|--|
| <p>35. Does the Applicant request any waivers or exemptions from any of the Commission's Rules? If Yes, attach as an exhibit, copies of the requests for waivers or exceptions with supporting documents.</p> | <p><input type="radio"/> Yes <input checked="" type="radio"/> No</p> |
| <p>36. 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? If Yes, attach as an exhibit, an explanation of circumstances.</p> | <p><input type="radio"/> Yes <input checked="" type="radio"/> No</p> |
| <p>37. 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? If Yes, attach as an exhibit, an explanation of circumstances.</p> | <p><input type="radio"/> Yes <input checked="" type="radio"/> No</p> |
| <p>38. 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? If Yes, attach as an exhibit, an explanation of circumstances</p> | <p><input type="radio"/> Yes <input checked="" type="radio"/> No</p> |
| <p>39. 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? If yes, attach as an exhibit, an explanation of the circumstances.</p> | <p><input type="radio"/> Yes <input checked="" type="radio"/> No</p> |

40. 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.

Stock Holder Summary

41. By checking Yes, the undersigned certifies, that neither applicant nor any other party to the application is subject to a denial of Federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Act of 1988, 21 U.S.C. Section 862, because of a conviction for possession or distribution of a controlled substance. See 47 CFR 1.2002(b) for the meaning of "party to the application" for these purposes.

☒ Yes ☐ No

42a. Does the applicant intend to use a non-U.S. licensed satellite to provide service in the United States? If Yes, answer 42b and attach an exhibit providing the information specified in 47 C.F.R. 25.137, as appropriate. If No, proceed to question 43.

☐ Yes ☒ No

42b. 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? US FCC

43. Description. (Summarize the nature of the application and the services to be provided). (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.)

Application for drifting the Asiastar satellite to 21E for the purpose of Bringing Back Into Use the AFRIBSS frequencies

Engineering Statemen

43a. Geographic Service Rule Certification

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.

☒ A

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.

☐ B

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.

☐ C

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. Applicant is a (an): (Choose the button next to applicable response.) | | |
| <div style="display: flex; flex-direction: column; gap: 10px;"> <div><input type="radio"/> Individual</div> <div><input type="radio"/> Unincorporated Association</div> <div><input type="radio"/> Partnership</div> <div><input checked="" type="radio"/> Corporation</div> <div><input type="radio"/> Governmental Entity</div> <div><input type="radio"/> Other (please specify)</div> </div> | | |
| 45. Name of Person Signing Michael Do | 46. Title of Person Signing Chief Operations Officer | |
| 47. Please supply any need attachments. <div style="display: flex; justify-content: space-between; margin-top: 10px;"> 1: Additional Frequenci 2: 3: </div> | | |
| <p>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 AUTHORIZATION (U.S. Code, Title 47, Section 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503).</p> | | |

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