SWANSAT Holdings, LLC
a Wyoming Limited Liability Company

OFFICE OF THE MANAGER AND CHIEF EXECUTIVE OFFICER

SENT VIA EMAIL:
MMchunu@icasa.org.za

14 September 2015

The Hon. Mr. Mandla Samuel Mchunu
Independent Communication Authority of South Africa
Pinmill Farm Block A
164 Katherine Street
South Africa

RE: ***Response to ICASA Notice 895: Discussion Document Regarding*** **"The Use and Licensing of the Band 57-66 GHz (V Band) and the Band 71-76 GHz Paired with the Band 81-86 GHz (E Band)" for Consultation**

Application for Assignment of W-Band Frequencies, for Geosynchronous Orbital Slot Assignments, for Launch Authorizations, and for Licenses to Operate Space Stations and Invitation to Participate in Sovereign Guarantee

Dear Sir:

We are pleased to submit in electronic form (Adobe Acrobat PDF format), attached hereto, the following documents for formal consideration by ICASA:

- Our ***Response to ICASA Notice 895: Discussion Document Regarding*** **"The Use and Licensing of the Band 57-66 GHz (V Band) and the Band 71-76 GHz Paired with the Band 81-86 GHz (E Band)" for Consultation** (hereafter, the "***Response***"); and,
- Our ***Application for Assignment of W-Band Frequencies, for Geosynchronous Orbital Slot Assignments, for Launch Authorizations, and for Licenses to Operate Space Stations*** (hereafter, the "***Application***").

Our ***Response*** sets forth our reply to ICASA's request released late last week for comments concerning various matters pertaining to the V-band and W-band/E-band, including licensing and other regulatory parameters.

Our ***Application*** is intended to serve as a regulatory model and example of how ICASA might proceed with licensing of the 71-76 GHz and 81-86 GHz portion of the high frequency electromagnetic spectrum by requesting that our firm be granted authorization regarding:

- Assignment of operational frequencies in the "W-band/E-band" of the electromagnetic spectrum to the ***SWANsat***[1] ***System***, a constellation of high-powered telecommunications satellites; and
- Assignments of geosynchronous orbital slots for the ***SWANsat*** satellite; and
- Authorizations to launch and deliver the satellite to the orbital slots requested; and
- Licenses to operate the ***SWANsat*** satellites and for end user customers to operate two-way ***SWANsat*** send/receive hybrid mobile and fixed earth stations utilizing the ***SWANsat System***.

SWANsat will provide ubiquitous, globally-based, point-to-point geosynchronous satellite-linked Information and Communication Technologies (ICT) at far greater efficiencies and at far less cost to the customer than can

[1] ***SWANsat*** is an acronym that stands for ***Super-Wide Area Network Satellite***.

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be realized in existing terrestrially-based systems. The attached ***Application*** sets forth in detail a proposal to provide services consistent with grant of the requests set forth in the ***Application***.

The documents that we are submitting herewith consist of the following components:

1. This cover letter.
2. Our ***Response*** to ICASA's ***Discussion Document***.
3. Our ***Application for Authorizations to Operate***.

A set of ***Proposed Rules for Space Station Applications in the W-band*** that sets forth the evaluative criteria for W-band that we recommend be adopted in order for the administrating authorities to grant the ***Application*** is also included as an attachment herewith, along with a 40-page SWANsat System ***Technology Readiness Assessment*** and a sample ***Memorandum Opinion and Order*** intended to be printed on the official letterhead. When signed by the authorizing official and released publically, this proposed ***Memorandum Opinion and Order***:

- ADOPTS the proposed ***Rules***;
- GRANTS the proposed ***Application***;
- ASSIGNS the requested W-band authority;
- ASSIGNS the 12 requested geosynchronous orbital slots;
- GRANTS launch authorizations for the spacecraft that will be constructed and deployed to create the requested SWANsat System;
- GRANTS a license for access to the SWANsat System through mobile earth station handsets by us and by our end user customers, including use on board commercial aircraft;
- GRANTS operational authority for the SWANsat System beyond the geographic borders of the authorizing Host Nation; and,
- GRANTS our request that the proposed SWANsat System not be subject to taxation or other monetary levies.

We have also included a sample ***ITU Appointment Authorization Letter*** intended to be printed on the official letterhead of the Host Nation. When customized and signed by the respective authorizing official, an original copy of this letter needs to be sent to the International Telecommunication Union in Geneva, with a confirmed copy sent to us.

Lastly, a copy of our ***Notice of Claim of Exemption*** that we filed before the ITU in 2010 and to which reference has been made in our ***Response*** documents is also included in the documents noted above. All of these documents are attached to and made part of the within ***Application***.

Kindly direct any questions you may have concerning the above to the undersigned.

Very truly yours,

William Welty

William P. Welty, Ph.D.
Chief Executive Officer



William P. Welty, Ph.D.
By placement of an electronic image of my signature to this document, left, I hereby certify that I am the author of this document, and that all statements contained herein are true and correct to the best of my knowledge and belief.
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