



ZICTA



Facilitating the Provision of High-Speed Broadband Internet by Retail Satellite Service Providers

February 2025

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SITUATIONAL ANALYSIS

Mobile Cellular Subscriptions

Mobile cellular subscription stands at 115.8%

Mobile network coverage

Geographical – 77%
Population – 95%

Fibre points of presence

94 POPs out of 116 districts

Internet subscription

Mobile internet subscription stands at 66.5%

Fixed internet subscription

Mobile internet subscription stands at 0.84%

Broadband Affordability

Price of 2GB as percentage of GNI per capital 1.9%

REGULATORY FRAMEWORK ON SATELLITE SERVICES



ICT Act 2009

Empowers ZICTA to regulate the provision of electronic communication services in Zambia.

Electronic Communication Guidelines 2022

- ❑ The guidelines adopts a service & technology neutral licensing regime.
- ❑ The Authority issues network and service licenses that form basis for regulating providers of electronic communication services including satellite services.

The Information and Communication Technologies (Radiocommunications) Regulations 2024

- ❑ Provides for regulation Radiocommunications services.
- ❑ Provides for licensing as well as annual fees obligations per earth station transmitter (or on a terminal by terminal basis).

THE EMERGENCY OF A RETAIL BROADBAND INTERNET SERVICE PROVIDER

A call for Applications

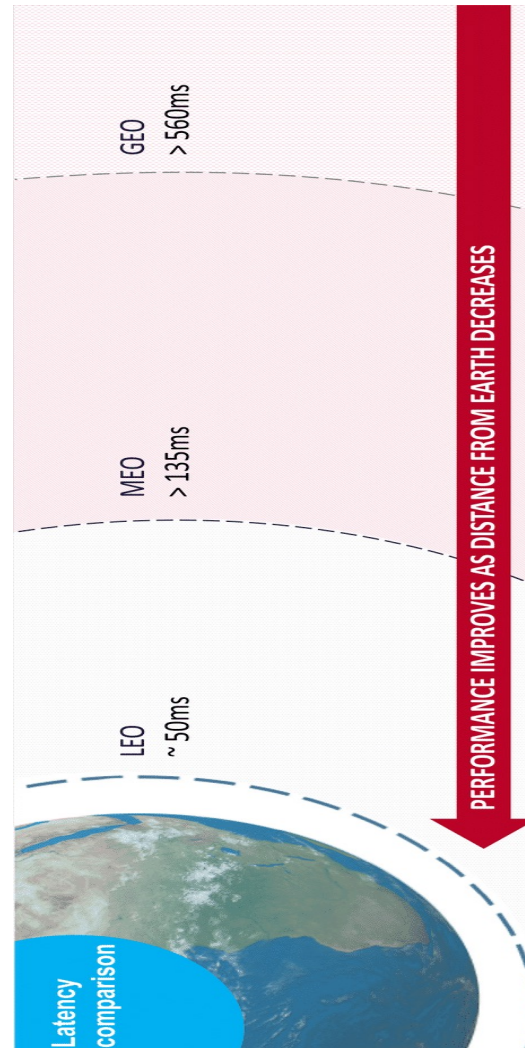
In January 2023 the Authority invited applications for a network licence - install and operate an international gateway for data only.

Licensing of a Satellite based internet service provider

Among the licensed applicants was Starlink (vertically integrated) and later Oneweb leveraging on MNOs licenses to provides broadband internet using a constellation of LEO satellites.

Adoption of satellite services

Satellite based ISP projected on boarding thousands of subscribers within a few years.



Gaps in the regulatory framework

Sat ISP provided cheaper end user terminals and offered internet packages at lower prices compared to traditional satellites service providers.

Prerequisite for Invitation to apply

Market study to precede an invitation to apply for a license.

Terminal by terminal licensing

Earth station licensing done terminal by terminal.

Licensing end users

VSAT terminal licensing required of end users- individual/corporate.

High licensing fees

Ranging from \$80 to \$2,000.

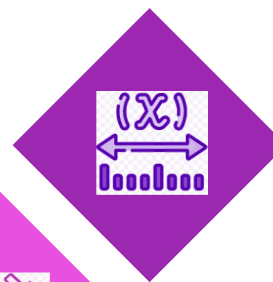
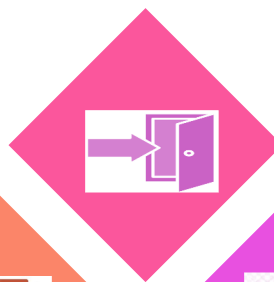
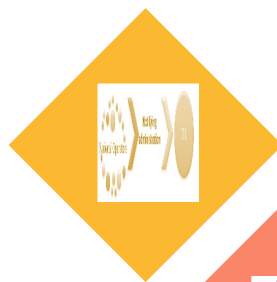
PROPOSED SATELLITE/EC REGULATORY FRAMEWORKS

Satellite Network Filling

Establish procedure for filling a satellite system within the country.

Earth station licensing by Network operators

Shifting the compliance obligation from consumers to a service provider.



Blanket licensing

The proposed framework provides for licensing and fees per band of terminals, reducing the effective fee.



Landing rights

Establish a regulatory relationship with satellite system provider(s).

Market entry

Proposed removal of the prerequisite to undertake a market study and issue an invitation to apply for licence(s).

FUTURE OUTLOOK OF THE SAT/EC FRAMEWORK



Partnerships between NTN & TN anticipated to improve network reliability

Reliability



Sat framework will facilitate adoption of new technologies such as sat IoTs, D2D etc.

New technologies



Increased access to affordable broadband internet

Affordability



National wide network coverage

Universal access



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THANK YOU!