



Basebi Mosinyi

Botswana's Candidate to the
Radio Regulations Board (RRB)





33 years' experience in the Telecommunications industry, of which 25 have been in the communications regulatory space.

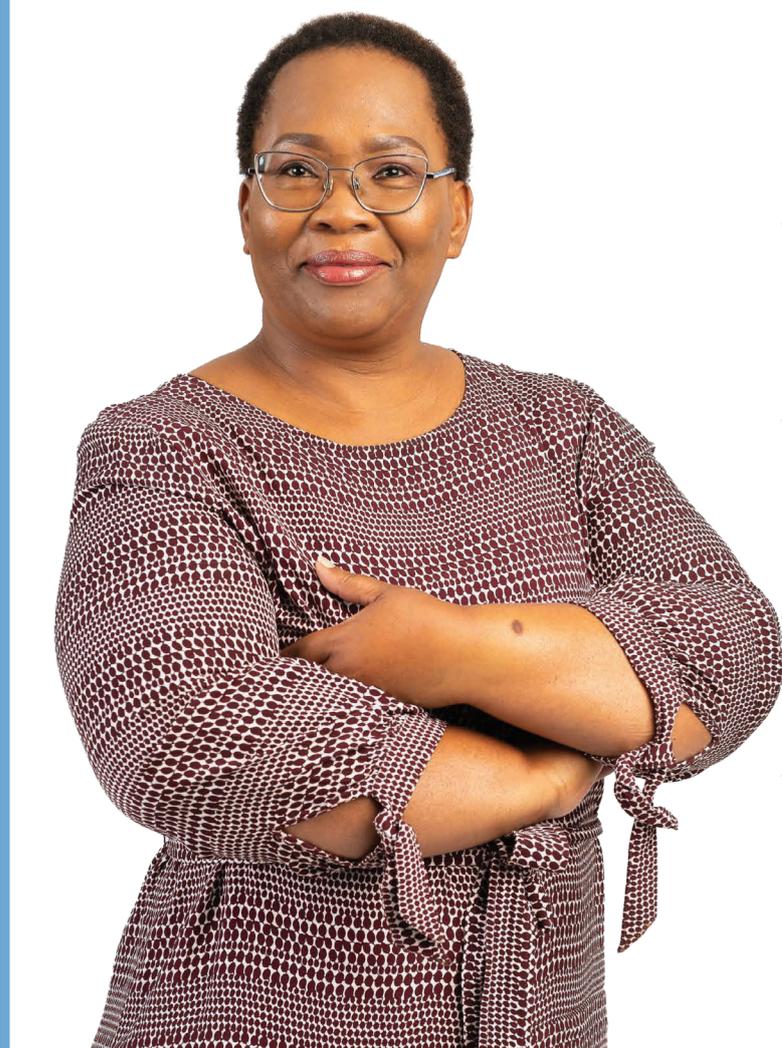
Extensive experience in radiocommunication frequency spectrum management for terrestrial and space services at international (International Telecommunication Union), regional (African Telecommunications Union), sub regional (Southern African Development Community) and national (Botswana) levels, demonstrated by leading teams in the preparations for World Radiocommunication Conferences (WRCs) 2012, 2015 and 2019, 2023 and 2027.

Current Vice Chair of ITU Working Party 4A (WP4A), Chair of Working Group 2 (WG2) and Chair of ATU and SADC Working Group 1A which deals with Efficient orbit/spectrum utilization for the fixed satellite service and broadcasting satellite service. Successfully chaired Committee 2 of the WRC-23. One of the leading experts in Africa on Satellite regulatory issues evidenced by leading Africa and SADC in the successful implementation of Resolution 559 WRC-2019 and was awarded a Global Impact Achievement award by ATU in recognition for her role in the recovery of Africa's satellite resources at WRC-23.

Assisted South Sudan, a new member of ITU, to acquire an orbital allotment in the Radio Regulations Appendix

30B Plan. Led Botswana team in negotiations with the Administration of Luxembourg which resulted in Botswana recovering her orbital allotment in the AP30 Plan of the ITU Radio Regulations. Successfully drafted and presented the SADC input contributions to ITU Council 2025 on Decision 482 for the SADC Shared Satellite System Project the outcome of which was a saving amounting to CHF177,450 for SADC. ITU consultant for PRIDA Track 1.2, 3.1 and 3.2 which developed guidelines on wireless broadband spectrum harmonization and assessment of cross border frequency coordination in Africa.

ITU Consultant for the development of the Spectrum Management Policy and Strategy, for the Republic of the Gambia. Advises BOCRA and implements the Botswana Spectrum Management Strategy. Government advisor on the communication's regulatory aspects in the implementation of BOTSAT-1, Drones for Health and Smart Botswana Initiatives. Experienced speaker demonstrated by many speaking roles on diverse spectrum management related topics and role of women in science and technology. The current co-Chair of Network of Women for WRC-27 for Africa, mentoring women in Africa to assume leadership roles in WRC-2027.



I Pledge To:

- Provide spectrum management experience and expertise to serve the needs and expectations of all Member States.
- Serve the ITU membership with impartiality, integrity, fairness and transparency, in collaboration and cooperation with the Board Members.
- Interpret and apply the provisions of the Radio Regulations in conformity with WRC decisions.
- Advocate for RRB decisions and Rules of Procedures that align with the spirit and principles of the Constitution, the Convention and the Radio Regulations.

PROFILE

WORK EXPERIENCE

Deputy Director Spectrum Management
Botswana Communications
Regulatory Authority
2019 - Present

Manager Frequency Spectrum Planning
Botswana Communications
Regulatory Authority
2016 - 2019

Senior Engineer Frequency Spectrum Planning
Botswana Communications
Regulatory Authority
2013 - 2016

Telecommunications Engineer
Botswana Communications
Regulatory Authority
2009 - 2013

Telecommunications Technician
Botswana Communications
Regulatory Authority
2000 - 2009

Sub Inspector Microwave
Botswana Police
Telecommunications Branch
1996 - 2000

Assistant Engineer Switching
Botswana Telecommunications
Corporation (BTC)
1994 - 1996

PERSONAL INFORMATION

LinkedIn: <http://linkedin.com/in/basebi-jacqui-mosinyi>
Nationality: Motswana
Languages: Setswana (Native), English (Fluent)

EDUCATION

Senior Executive Program for Africa
Harvard Boston USA
2022

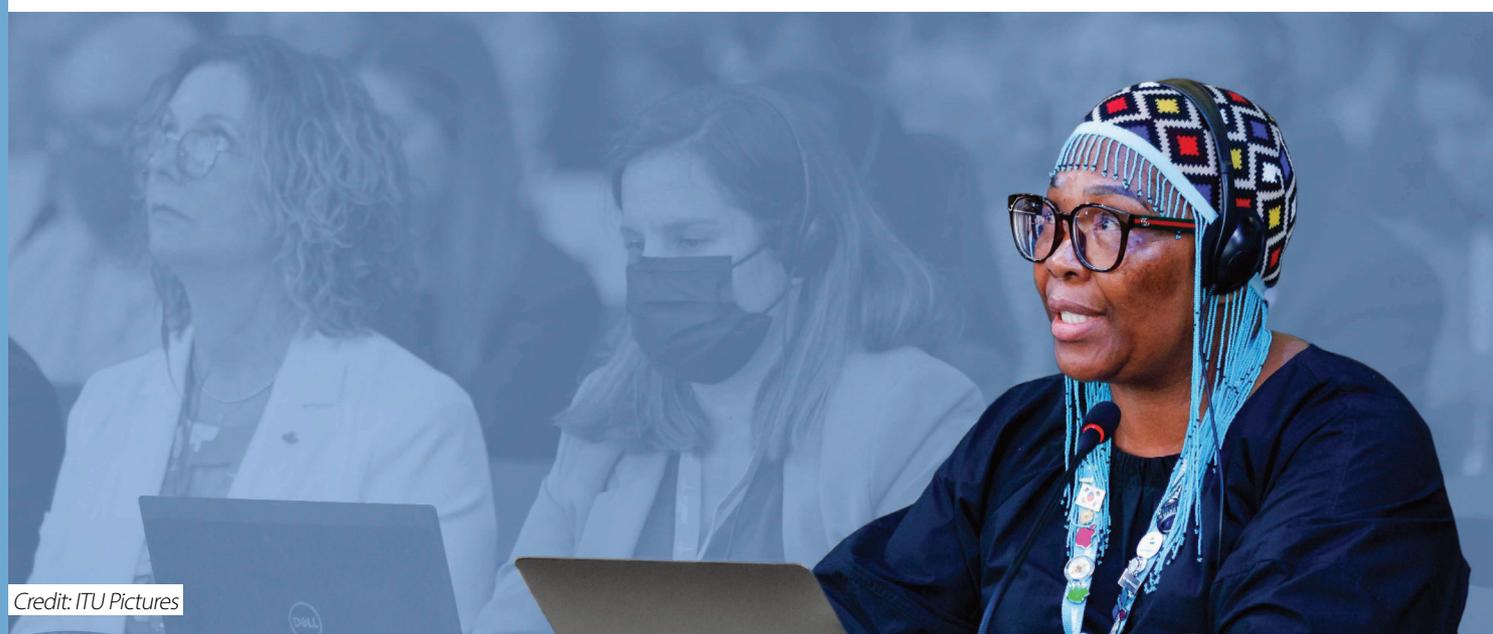
MSc Strategic Management
University of Derby UK
2020 - 2021

**Post Graduate Diploma in Leadership Development in
ICT and Knowledge Society**
Dublin City University Ireland
2012 - 2013

**Bachelor of Engineering (Honours) Electronics
majoring in Telecommunications**
Multimedia University Malaysia
2003 - 2009

**Postgraduate Certificate in Telecommunications,
Policy, Regulation and Management**
University of Witwatersand LINK Center
2002

**BTEC National Diploma in Telecommunications
Engineering**
Cable & Wireless College United Kingdom (UK)
1992 - 1994



WORK EXPERIENCE

POSITION

1st April 2019 – Present
Botswana Communications Regulatory Authority
Gaborone, Botswana

BOCRA is a communications regulator in Botswana. Its mission is to regulate the Communications Sector for the promotion of Competition, Innovation, Consumer Protection and Universal access.

Deputy Director Spectrum Management

2019- 2022: Key role - ATU Working Group 4B,
Vice chairperson

SADC Chairperson agenda item 7 & lead rapporteur for WRC - 23 Government advisor on the communications regulatory aspects in the implementation of drones for health and Smart Botswana initiatives.

1st April 2016 – 2019
Botswana Communications Regulatory Authority
Gaborone, Botswana

Manager Frequency Spectrum Planning

Manage, coordinate and implement all activities related to spectrum planning and allocation as outlined in the Communications Regulatory Act and Authority's strategic plan and to assist in the development of spectrum management policies, regulations, plans, allocation and pricing policies, and strategies to optimize the efficient utilization of the radio frequency spectrum in order to meet current and future spectrum needs.

2013 – 2016
Botswana Communications Regulatory Authority
Gaborone, Botswana

Senior Engineer Frequency Spectrum Planning

Assist in formulation of Frequency Management Strategy for competitive and non-competitive spectrum. Reviewed the spectrum Management Policy and assisted with implementation of WRC outcomes. Review Spectrum Allocation strategy for Cellular Systems, Fixed Wireless Access, Mobile Data Services and Radio Local Area Networks.

SELECTED ACHIEVEMENTS

- Led ATU and SADC in WRC-23 preparations with respect to satellite regulatory aspects (Agenda item 7) as vice chairperson and chairperson respectively.
- Successfully represented Botswana and African Telecommunications Union (ATU) at WRC-19 as evidenced by the letter of appreciation from the African Telecommunications Union Secretariat.
- Successfully rapporteured agenda item 1.14 dealing with HAPS on behalf of ATU.
- Successfully reviewed the spectrum management strategy, which resulted in all recommendations being adopted by the Board of Directors. The key success in this project was the new spectrum pricing policy effected from 2022, 75% of BOCRA's revenue is generated from spectrum fees as opposed to turnover fees.
- Developed and implemented the IMT2020 roadmap for Botswana.

- Successfully updated the National Frequency Plan taking into account the outcomes of WRC-2015. This was the first time such a task was conducted in-house since WRC-2003.
- Developed the Television White Spaces (TWWS) draft framework to enable the technology to be licensed in Botswana.
- Advised the team which was driving the cost modeling exercise for ICT services on network elements.
- Successfully rapporteured 6 agenda items for WRC-19 on behalf of SADC and also rapporteured one item at Africa level. It was the first time that Botswana represented African Telecommunications Union.

- Implemented the change from 25kHz to 12.5kHz channel spacing for 2-way radios which significantly reduced the congestion in the cities.
- Significantly contributed to SADC and Botswana position paper for WRC-12 and 15
- Contributed to policy development with regards Radio Licensing.
- Developed draft paper on License Exempt which was used for development of the License Exempt Regulations.

WORK EXPERIENCE

POSITION

2009 – 2013

Botswana Communications Regulatory Authority
Gaborone, Botswana

Telecommunications Engineer

Implement the national telecommunications technical standards and specifications which are internationally recognized and compatible with global systems. Ensure that all equipment supplied to the telecommunication market in Botswana are type approved.

2000 – 2009

Botswana Communications Regulatory Authority
Gaborone, Botswana

Telecommunications Technician

Licensing of 2-way Radios. Type Approving Radio and Telecommunications Equipment.
2-way Radio License Conditions Enforcement.
Radio Frequency Spectrum monitoring.
Renewal of all Radio Licenses.
Site visits for base stations coordinates verification.

1996 – 2000

Botswana Police Service
Gaborone, Botswana

Botswana Police Telecommunications Branch,
Microwave unit deals with maintenance of the backbone microwave links which are vital for Police communication and security.

Sub Inspector Microwave

Commissioning and acceptance of Police backbone microwave Links. Maintenance of the whole network.
Supervision of 10 low ranking officers.
Worked in conjunction with Radio Dealers for procuring radio equipment for the Police service.

1994 – 1996

Botswana Telecommunications Corporation (BTC)
Gaborone, Botswana

Botswana Telecommunications Corporation is a landline telephone service provider (PTO).

Technician Switching

Maintenance of Ericsson AXE10 International and local switches. Software updates of the switch.
Tele traffic project implementation.
B-number analysis table setting Supervision of 15 Assistant Technicians in the region.
Liaising with Transmission Department for maintenance of the backbone system.

SELECTED ACHIEVEMENTS

- Type approved radio and telecommunications equipment within the turnaround time.
- Assigned the frequency spectrum to Operators within reasonable time.
- Allocated Numbering resources and short codes to Operators within turnaround time.
- Successfully represented Botswana in international forums in preparation for WRC-12.

- Managed to reduce illegal transmissions.
- Successfully maintained a good database of transmitter geographical positions necessary for monitoring.
- Managed to do Radio Licenses within the turnaround time.
- Renewed Radio licenses within the turnaround time.

- Managed to have the network availability of 90%.
- Telephone bills from Public Telecommunications Operators were greatly reduced as Police network was used.
- Assisted in digitizing the whole Police Microwave Communications System.
- Imparted knowledge to supervisees regarding the maintenance of the microwave system.
- Managed to ensure that there were no privacy violations of the whole communications network.

- Managed to attain 97% network availability as stipulated by BTC quality of service guidelines.
- Achieved the best possible downtime of the switches by conducting routine checkups and maintenance.
- International routes were decongested by re-routing traffic to other routes.
- Imparted knowledge to the supervisees for efficient and effective maintenance of the switch and other equipment.

INTERESTS

Research on cosmology, gardening, watching TV news, and reading books on philosophy.

OTHER

RECOGNITION: One of the 51 women selected in the Leading women of Africa “Future is female diary” in 2021. <https://cutt.ly/2zUkbNK>

Featured in *The Patriot Woman Magazine* March - June 2021 - “Honored amongst the world’s top best”.

Recognised as **Outstanding woman engineer** by **BOCRA** in 2021. *Botswana Guardian*, issue - January 29, 2021.

“Recognised as an international telecomms engineer” by *CEE Bulletin*, Volume 2, Issue 3, April 2021.

ACADEMIC EXPERIENCE: PhD Candidate - Spectrum Pricing Frameworks for Africa.

External examiner at Witwatersrand University for two course modules for Master of Arts ICT Policy and Regulation, from 2021 to present.

