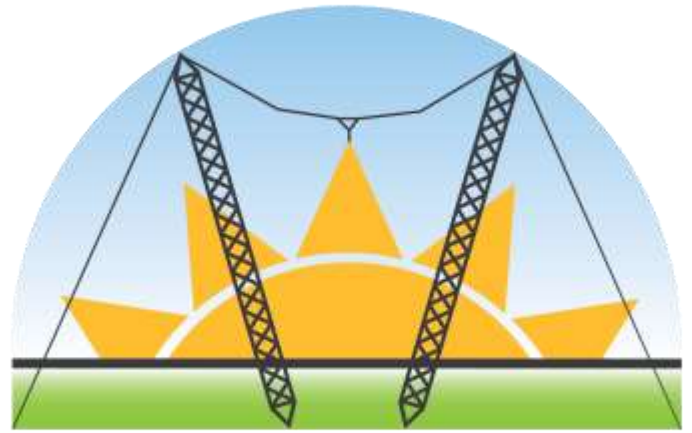




Electricity Regulatory Matters

AEDU 2025



ELECTRICITY CONTROL BOARD

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**Executive: Technical
Regulation**

12 March 2025
Swakopmund

Presentation Outline



1. Mandate
2. Core Regulatory Areas
3. Functions
4. Key Regulatory Instruments Under Review
5. Key Regulatory Instruments Under Development
6. Compliance Audits
7. Update on 2023 EDI Summit Resolutions
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1. ECB - Mandate



- **Derived from the Electricity Act no 4, of 2007, Section 3 subsection (1)**
 - to exercise control over and regulate the provision, use and consumption of electricity in Namibia.
 - to oversee the efficient functioning and development of the electricity industry and security of electricity provision.
 - to ensure the efficient provision of electricity
 - to ensure a competitive environment in the electricity industry in Namibia with such restrictions as may be necessary for the security of electricity provision and other public interest
 - to promote private sector investment in the electricity industry
- **In accordance with prevailing Government Policies.**

2. Core Regulatory Areas



Licensing

- Oversight and licensing of Generation, Transmission and Distribution infrastructure projects
- Issue, Amend, Transfer, Renew, Cancel licenses

Economic & Market Regulation

- Tariffs setting and approval
- Financial viability and sustainability of the ESI

Technical Regulation

- Ensure technical compliance of licensee
- Technical / Infrastructure Standards Setting
- Technical Compliance Audits and Inspections

3. Functions

- Must make **recommendations to the Minister** with regard to:
 - the issue, transfer, amendment, renewal, suspension and cancellation of licenses; and
 - the approval of the conditions on which electricity may be provided by a licensee
- May and must, at the request of the Minister, **advise the Minister** on any matter relating to the electricity industry;
- **Approval of Tariffs;**
- **Mediation of disputes** under the Act;
- May, by **notice in the Gazette, make such rules and codes** for the establishment, operation and administration of electricity markets, power system security and safety, network connections, metering, or any other matter it is authorised in terms of the Act.

4. Key Regulatory Instruments Under Review (1/2)



- **Technical Rules**
 - Revised Technical Rules were Approved by Board on 30 May 2024- Minister for Gazetting
- **Distribution Grid Code**
 - Review was finalized in 2024
 - ECB Board approval sought in March 2025.
- **Transmission Grid Code**
 - Review was finalized in 2023
 - ECB Board approval sought in March 2025.
- **ESI Performance Framework**
 - Framework to monitor licensees' performance on quality, safety, reliable supply, and access - In progress
- **Net Metering Rules**
 - Review in progress

4. Key Regulatory Instruments Under Review (2/2)



- **Review Distribution Infrastructure Guidelines for Distribution Networks**
 - Review in progress.
 - Review will include alignment with ISO 55000 Standards.
 - ISO 55000 Certification Assessment ECB/ESI – **ISO 9000 Certification Assessment**
- **Review Tariff Methodology**
 - Review in progress.
 - Review include performance-based efficiency indicators.
- **Review Connection Charge Policy**
 - Review in progress.
 - Convert Policy into a Code.
- **Review and Update of NEST Implementation**
 - Review in progress.
 - Assess viability of National Roll Out

5. Key Regulatory Instruments Under Development

(1/2)



- **Connection Code**
 - Encompasses both Transmission and Distribution Connections from the two Grid codes
 - Also include recalled Renewable Energy Grid Code
 - ECB Board approval sought in March 2025.
- **Electric Vehicle (EV) Charging Infrastructure Regulatory Framework**
 - Development of EVs charging stations framework and standards completed.
 - Also include guidelines on the commercial framework of EV charging points
 - Board approval granted
 - Standards adoption with NSI ongoing

5. Key Regulatory Instruments Under Development (2/2)



- **Development of Quality-of-Service Management Software**
 - Get Transform funded Project - aims to have harmonised QOS Software for ESI
 - Bid evaluation outcome to be made available March 2025.
- **Determination of appropriate after diversity maximum demand (ADMD) Guideline for Namibia**
 - Project in progress to be completed in 2026,
 - Development of the ADMD for planning purpose aligned to Namibian loads.
- **Off Grid Regulations**
 - Regulations approved by ECB Board and with Minister for Gazzetting
 - Regulations to unlock access where grid connections is not viable

6. Compliance Audits



- **Technical Compliance Audits**
 - Annual Audits ongoing- to assess licensee compliance with license conditions, regulatory instruments and industry standards.
 - Audits emphasized on licensees' **maintenance and planning efforts and compliance with NESCC**.
 - Audit notification letters to be sent out to licensees soon.
 - Licensee directed to **rectify non-compliance** in the audit report.
- **Tariff Compliance Audits**
 - Annual Audits ongoing- to assess compliance with the tariff methodology and tariff rule book with regard to determining a licensee's tariffs and resulting revenues for a given FY
 - To assess how licensees are implementing the previous FY's approved tariffs
 - Licensee directed to **rectify non-compliance** in the audit report.

7. Update on 2023 EDI Summit Resolutions



- Ministerial approval granted for the 2023 EDI Summit Report and Implementation Plan.
- Implementation period: **April 2024 – March 2026**
- RFP for a consultant to facilitate the EDI Summit Outcomes Implementation Plan closed on the 24th February 2025- No bids were received.
- ECB is exploring other procurement methods.
- //Au-ob RED establishment in progress - Attorney General inputs on amended shareholder's agreement still awaited
- Distributors can partially operate voltage above 44kV i.e 66kV as long as their **network remain mainly medium voltage** as per both Electricity Act and Distribution Grid Code
- ECB developed and awaits approval of **license conditions on Corporate Governance** from Minister for implementation



8. Conclusion

- Promote Innovations :
 - EDI to invest in Smart Technology and Artificial Intelligence – **Safety and Quality of Service**
 - EDI to evolve into new business model for sustainability – **Consumers migration to Prosumers**

 - Create enabling environment - **new regulatory tools if required**
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THANK YOU

