



## **PUBLISHED NAMIBIAN STANDARDS (NAMS)**

## **PAGE**

Quality of Service and Supply of Standards	02
Refrigeration and Air-conditioning Standards	03
Namibia Electricity Supply Industry Distribution Infrastructure Standards	04
Information Technology - Security Techniques	06



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# OFFICIALLY DEVELOPED NAMIBIAN STANDARDS (NAMS): STANDARDS REGARDING THE QUALITY OF SERVICE AND QUALITY OF SUPPLY STANDARDS

**This notice serves to inform all stakeholders that the below standards have been officially developed as NAMS.**

Namibian Standards (NAMS)	Particulars and Description of the Namibian Standards
<p><b>NAMS/ESI LVEIWS 001: ed 1.0 2021</b> Namibian low voltage electrical installation wiring standard (LVEIWS)</p>	<p>This standard gives the rules for the design, installation, and verification of electrical installations. The rules are intended to provide for the safety of persons, animals and property against dangers and damage which may arise in the reasonable use/operation of electrical installations and to provide for the proper functioning of those installations.</p>
<p><b>NAMS/ESI 01: 2021</b> Quality of Supply Standards</p>	<p>This standard outlines the minimum standards to be used in Namibia for measuring, benchmarking and reporting on the quality-of-supply provided to end-users by electricity Licensees in Namibia.</p>
<p><b>NAMS/ESI 02: 2021</b> Quality of Service Standards</p>	<p>This standard outlines various service activities and the minimum standards for measuring the quality-of-service provided to customers by electricity Licensees in Namibia. It also introduces various quality-of-service activities that the Licensees would report on to the Electricity Control Board (ECB).</p>



# OFFICIALLY DEVELOPED NAMIBIAN STANDARDS (NAMS): STANDARDS REGARDING REFRIGERATION AND AIR-CONDITIONING

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Namibian Standards (NAMS)	Particulars and Description of the Namibian Standards
<p><b>NAMS 5149-1: 2021 ISO 5149 -1:2014</b> Refrigerating systems and heat pumps —Safety and environmental requirements. Part 1: Definitions, classification and selection criteria</p>	<p>This standard specifies the requirements for the safety of persons and property, provides guidance for the protection of the environment, and establishes procedures for the operation, maintenance, and repair of refrigerating systems and the recovery of refrigerants.</p> <p>This part of the standard specifies the classification and selection criteria applicable to the refrigerating systems and heat pumps. These classification and selection criteria are used in part 2-4.</p>
<p><b>NAMS 5149-2: 2021 ISO 5149 -2:2014</b> Refrigerating systems and heat pumps - Safety and environmental requirements. Part 2: Design, construction, testing, marking and documentation</p>	<p>This standard is applicable to the design, construction, and installation of refrigerating systems, including piping, components, materials, and ancillary equipment directly associated with such systems, which are not covered in part 1, 3, and 4. It also specifies requirements for testing, commissioning, marking, and documentation. Requirements for secondary heat-transfer circuits are excluded except for any safety devices associated with the refrigerating system.</p>
<p><b>NAMS 5149-3: 2021 ISO 5149 -3:2014</b> Refrigerating systems and heat pumps -Safety and environmental requirements. Part 3: Installation site</p>	<p>This standard is applicable to the installation site (plant space and services). It specifies requirements for the site for safety, which could be needed because of, but not directly connected with, the refrigerating system and its ancillary components.</p>
<p><b>NAMS 5149-4: 2021 ISO 5149 -4:2014</b> Refrigerating systems and heat pumps —Safety and environmental requirements. Part 4: Operation, maintenance, repair and recovery</p>	<p>This standard specifies requirements for safety and environmental aspects in relation to operation, maintenance and repair of refrigerating systems and the recovery, reuse and disposal of all types of refrigerant, refrigerant oil, heat transfer fluid, refrigerating system and part thereof.</p> <p>These requirements are intended to minimize risks of injury to persons and damage to property and the environment resulting from improper handling of the refrigerants.</p>

# OFFICIALLY DEVELOPED NAMIBIAN STANDARDS (NAMS): STANDARDS REGARDING NAMIBIA ELECTRICITY SUPPLY INDUSTRY DISTRIBUTION INFRASTRUCTURE

**This notice serves to inform all stakeholders that the below standards have been officially developed as NAMS.**

Namibian Standards (NAMS)	Particulars and Description of the Namibian Standards
<p><b>NAMS/ESI 002: Ed 1.0 04-2021</b> Namibia electricity supply industry distribution infrastructure standards: <b>Part B: 01- Switchgear</b></p>	<p>This standard covers the manufacture, supply, delivery, erection on site, testing and commissioning of the following equipment: Medium Voltage Regulators up to and including 33kV, Circuit Breaker Boards for use with medium voltages up to and including 33kV, Automatic Reclosing Circuit Breakers for medium voltage applications up to and including 33kV, Manual and Automatic Line Sectionalizers and load break switches for voltages up to and including 33kV, pole mounted drop-out fuse switches (cut outs) for rated voltages up to and including 33kV and surge arrestors for rated voltages up to and including 33kV</p>
<p><b>NAMS/ESI 002: Ed 1.0 04-2021</b> Namibia electricity supply industry distribution infrastructure standards: <b>Part B-02: Distribution Infrastructure up to 33kV</b></p>	<p>This Detailed Specification covers the general technical requirements for the planning, design, erection, installation, testing, commissioning, maintenance and repair of the materials and equipment for the electricity supply infrastructure of the Supply Authority.</p>
<p><b>NAMS/ESI 002: Ed 1.0 04-2021:</b> Namibia electricity supply industry distribution infrastructure standard: <b>Part B-03: Overhead Conductor Distribution</b></p>	<p>This part of the specification deals with the erection and commissioning of a complete overhead transmission line which comprises of bare or insulated overhead conductor, wooden, steel or concrete poles, stay assemblies, insulators, strain and suspension clamps.</p>
<p><b>NAMS/ESI 002: Ed 1.0 04-2021:</b> Namibia electricity supply industry distribution infrastructure standard: <b>Part B-04: SWER Overhead systems</b></p>	<p>This part of the specification deals with the erection and commissioning of a complete Single Wire Earth Return (SWER) overhead distribution line with bare conductor and wooden Steel or concrete poles, stay assemblies, insulators, strain and suspension clamps.</p>
<p><b>NAMS/ESI 002: Ed 1.0 04-2021:</b> Namibia electricity supply industry distribution infrastructure standard: <b>Part B-05: Underground Distribution Cables</b></p>	<p>This part of the specification deals with the material requirements, installation, testing and commissioning of medium and low voltage underground cables</p>

# OFFICIALLY DEVELOPED NAMIBIAN STANDARDS (NAMS): STANDARDS REGARDING NAMIBIA ELECTRICITY SUPPLY INDUSTRY DISTRIBUTION INFRASTRUCTURE (CONTINUED)

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Namibian Standards (NAMS)	Particulars and Description of the Namibian Standards
<b>NAMS/ESI 002: Ed 1.0 04-2021:</b> Namibia electricity supply industry distribution infrastructure standard: <b>Part B-06: Distribution Enclosures</b>	This specification covers the supply, delivery, installation, testing and commissioning of distribution boards, kiosks and pole mounted distribution boards.
<b>NAMS/ESI 002: Ed 1.0 04-2021:</b> Namibia electricity supply industry distribution infrastructure standard: <b>Part B-07: Service Connector</b>	This part of the specification will focus on different types of service connections to customers in urban and rural areas.
<b>NAMS/ESI 002: Ed 1.0 04-2021:</b> Namibia electricity supply industry distribution infrastructure standard: <b>Part B-08: Street Lighting</b>	This part of the specification covers the setting out of streetlight pole positions and the complete installation of the streetlight, either photocell control or timer control. This standard serves as a minimum requirement to meet when constructing street lighting for Rural Electrification.
<b>NAMS/ESI 002: Ed 1.0 04-2021:</b> Namibia electricity supply industry distribution infrastructure standard: <b>Part B-09: Civil Engineering Works</b>	This section covers the principles, responsibilities and requirements applicable to certain civil-engineering works of a minor nature that are included in the scope of this Standard.



# OFFICIALLY DEVELOPED NAMIBIAN STANDARDS (NAMS): STANDARDS REGARDING INFORMATION SECURITY SYSTEMS

This notice serves to inform all stakeholders that the below standards have been officially developed as NAMS.

Namibian Standards (NAMS)	Particulars and Description of the Namibian Standards
<p><b>NAMS/ISO/IEC 27001:2021</b>   Information technology - Security techniques - Information Security Management Systems - Requirements</p>	<p>This standard specifies the requirements for establishing, implementing, maintaining and continually improving an information security management system within the context of the organization. It also includes requirements for the assessment and treatment of information security risks tailored to the needs of the organization.</p>
<p><b>NAMS/ISO/IEC 27003:2021</b>   Information technology - Security techniques - Information security management systems - Guidance</p>	<p>This standard provides explanation and guidance on the requirements for an information security management system (ISMS) as specified in ISO/IEC 27001 and provides recommendations ('should'), possibilities ('can') and permissions ('may') in relation to them.</p>



