NAMIBIAN STANDARDS INSTITUTION

Standards and Certification for Oil and Gas Developments

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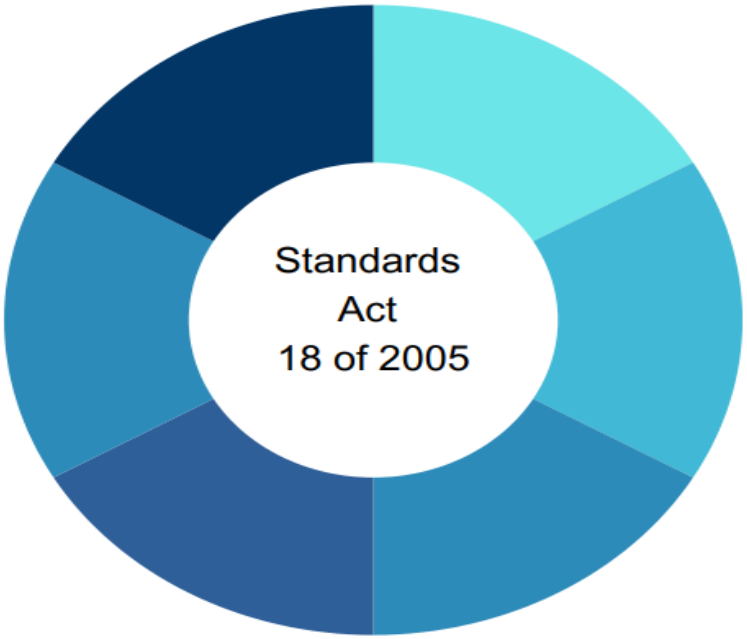
20 August 2024

CONTENT

01: Introduction

LEGISLATIVE MANDATE

- Prepare, Issue, and Promote Standards
- Supply Information and Training on Standards
- Certify Commodities and Systems
- Test Material and Issue Reports or Certificates
- Establish and Control Lab
- Administer Technical Regulations



BUSINESS MODEL

- **Standards Development**

NSI carries out its legislated mandate as the only body mandated to develop, maintain, publish, and distribute Namibian Standards (NAMS) in Namibia.

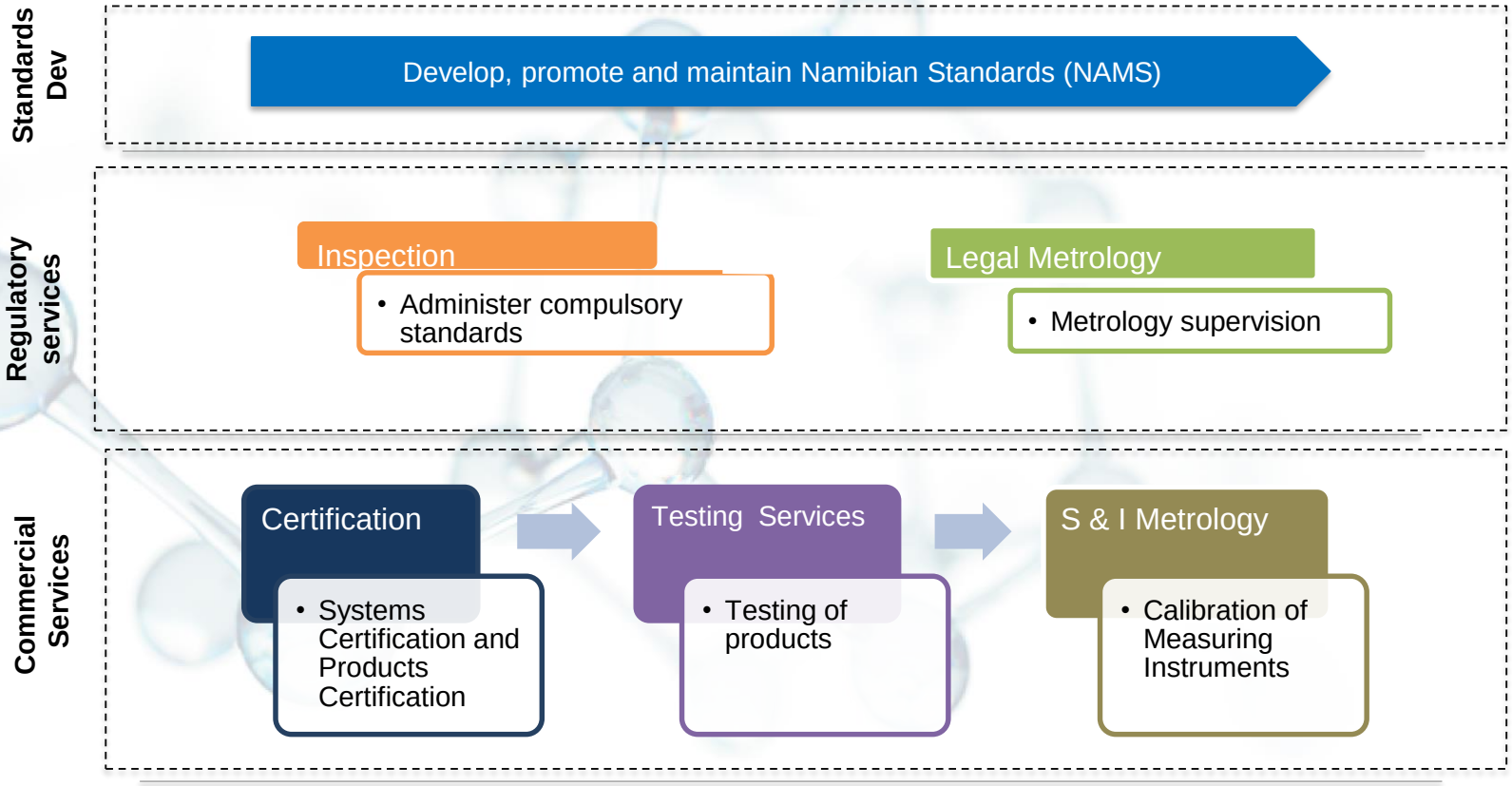
- **Regulatory Services**

Provision of regulatory services by administering compulsory standards under the Standards Act No 18 of 2005 and administering legal metrology technical regulation of the Trade Metrology Act No 77 of 1973/ soon to be repealed by the Metrology Act No 5 of 2020.

- **Commercial Services**

Provision of voluntary conformity assessment services such as testing, certification and calibration; and training on standards on competitive commercial terms

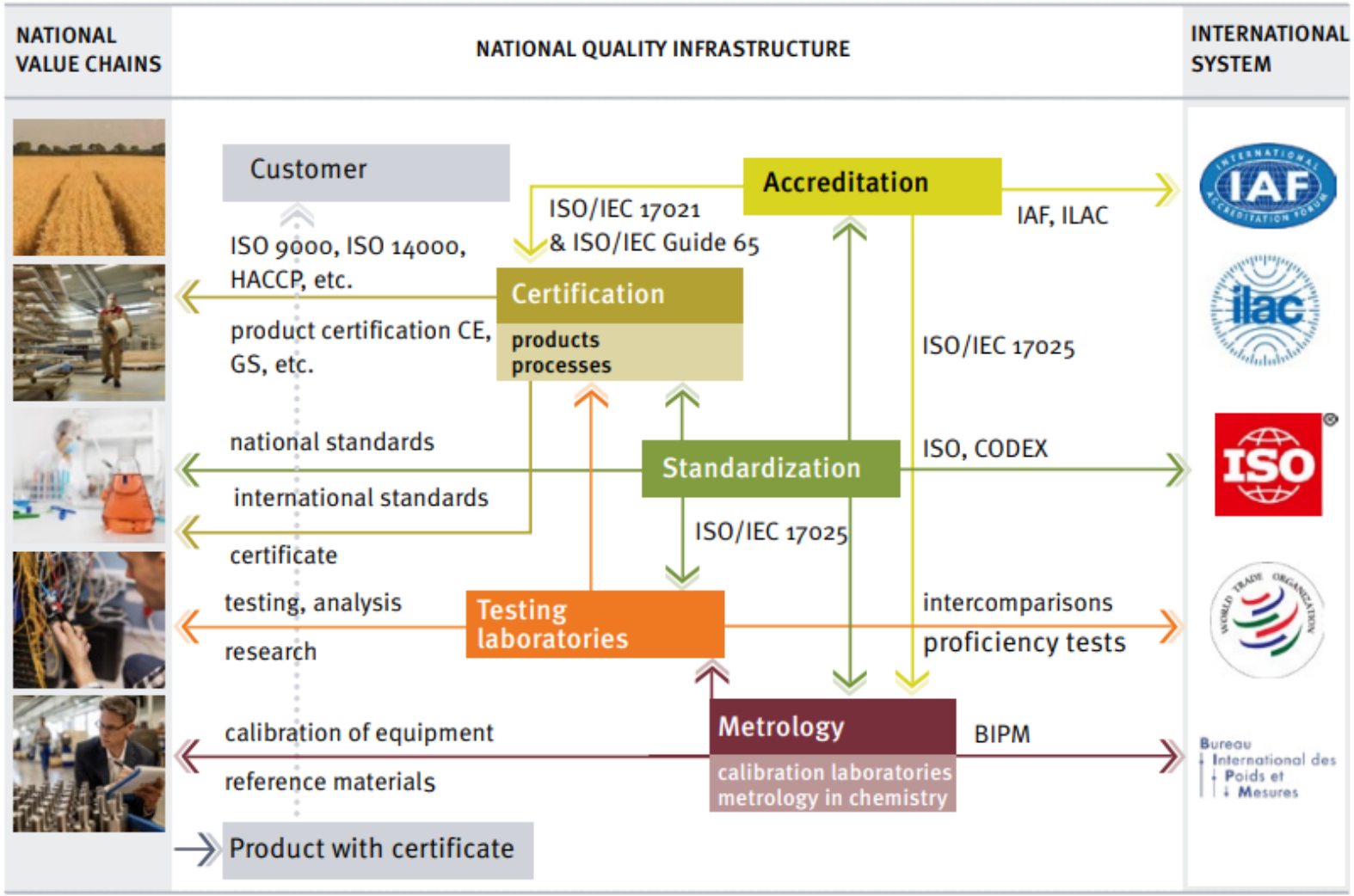
02: Our Business Model



03: Our Services & Value Proposition

What we do	Benefit to Society	Benefit to Industry	Benefit to Namibia
Development of national standards for processes, systems, services and products	Support inclusive growth	Fair and transparent process to set National Standards	- Enable access to standards and conformity assessments that facilitate trade and protection of consumers and the environment - Fair competition
Test, inspect, verify and certify processes, products and services against requirements in the standards	- Quality assurance for consumers - Fairness in the market	Enable producers and suppliers to compete fairly	- Protect local employment - Enable local production - Fair competition - Safety to consumers
Promote the use of standards for socio-economic development	Facilitation of access to to standards and related services	Provide platform for support to access services by SMMEs	- Increase production of intellectual capital - Improve speed to market - Facilitate new entrants to the market
Provide training on standards and conformity related assessment services	Correct implementation and use of standards	Ensure compliance to standards proficiency in quality management	Fair trade environment where standards are consistently applied in the procurement of products and services

04: National Quality Infrastructure



05: Importance of Standards and Certification in Oil and Gas Developments

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1 Regulatory Frameworks

Regulatory compliance in oil and gas upstream development involves adherence to specific frameworks set by governing bodies to ensure environmental sustainability and safety.

2 Permitting and Licensing

Obtaining permits and licenses is essential to comply with regulations and standards for exploration, drilling, and production activities in the oil and gas industry.

3 Health and Safety Standards

Stringent health and safety standards are imperative to protect the workforce and the environment in oil and gas upstream operations.

4 Compliance Audits

Regular audits are conducted to assess compliance with regulatory requirements, ensuring adherence to industry standards and best practices.

06: Standards

Statutory Provisions

•National Standards Body, enjoys its legislated mandate as the only body mandated to develop, maintain, publish, and distribute Namibian Standards (NAMS) in Namibia as provided under section 20 of the Act

Regional & International Representation

- International Organisation for Standardisation (ISO)
- African Organisation for Standardisation (ARSO).
- International Electro Technical Commission (IEC)
- Southern African Development Community (SADC) Standardisation, Quality assurance, Accreditation and Metrology (SQAM)

06: Standards

Key Organizations Setting Standards and Certification Requirements

International Standards Organization (ISO)

American Petroleum Institute (API)

International Association of Oil & Gas Producers (IOGP)

06: Standards

NSI
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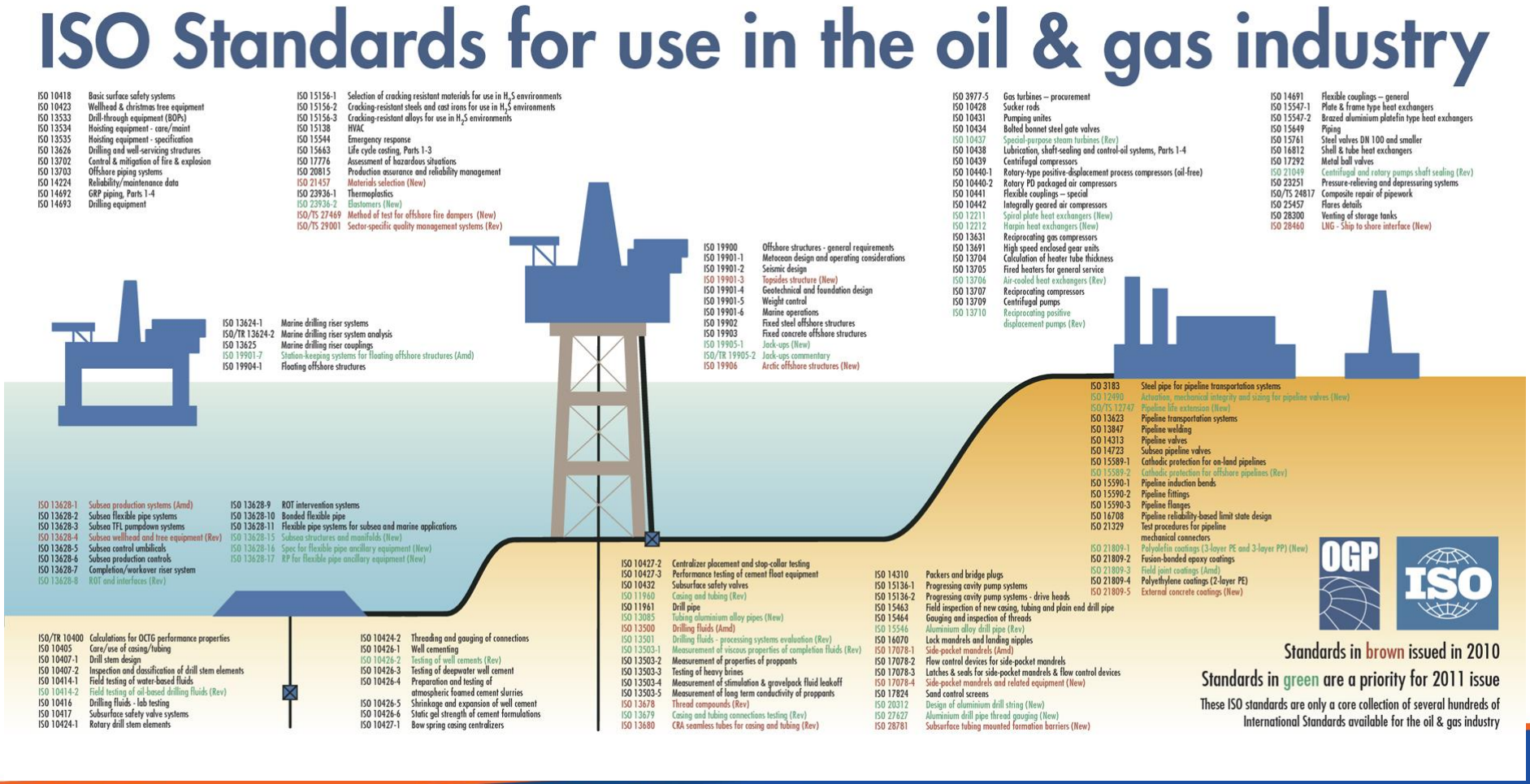
Key Organizations Setting Standards and Certification Requirements



06: Standards

Management Systems Standards

ISO 9001 Quality Management System

ISO 9001 is a globally recognized standard for quality management, ensuring organizations meet customer and regulatory requirements.

ISO 14001 Environmental Management

ISO 14001 sets out the criteria for an environmental management system, helping organizations improve sustainability and reduce environmental impact.

ISO 45001 Occupational Health and Safety

ISO 45001 provides a framework to improve employee safety, reduce workplace risks, and create better, safer working conditions.

06: Standards

Management Systems Standards

ISO 50001 Energy Management

ISO 50001 is an environmental standard for energy management in organizations. Its framework helps companies optimize their energy consumption efficiently. .

ISO 55001 Asset Management

ISO 55001 is a standard for asset management. Companies with significantly high assets in cost or number will benefit from the management principles outlined in this standard.

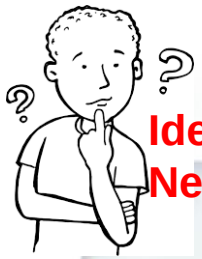
ISO 223001 Business Continuity

ISO 22301 is the international standard for business continuity management systems. It helps businesses move forward after emergency events.

06: Standards

Process in developing National Standards

Standards are developed and adopted in accordance with the WTO/TBT (Annex 3) Code of Good Practice for the Preparation, Adoption and Application of Standards



Identify the Need/Request

Technical Committee

Public Comments

Published Namibian Standard

NSI TC 15- Petroleum and Petroleum Products entrusted with mandate to develop standards in Oil and Gas sector

06: Standards

Standard vs Technical Regulation

A Standard as a document approved by a recognized body, that provides, for common and repeated use, rules, guidelines or characteristics for products or related processes and production methods, with which conformity is **not** mandatory.[1]

A Technical regulation as a document which lays down product characteristics or their related processes and production methods, including the applicable administrative provisions, with which compliance is mandatory.[2]

[1] WTO Technical Barriers to Trade Agreement Annex 1, § 2
[2] WTO TBT Agreement Annex 1, § 1

06: Standards

Standard Training

1. Management Systems Standards
- ISO 9001, ISO 14001, ISO 45001

3. Any other Special Standards Related Training
- Circular and Green economy
- Cybersecurity Standards
- Sustainable development
- Supply chain security management systems
- Procurement

4. Categories
- Executive Briefing for 1 day
- Introduction and Awareness for 1 day
- Development and Implementation for 3/5 days
- Internal Auditing for 3 days

07: NSI Certification

Certification

ISO 9001:2015
Quality Management

Suitable for organizations seeking to improve the quality of products and services & consistently meet or exceed their customer's expectations

ISO 14001:2015
Environmental Management

For organizations of any type, that require practical tools to manage their environmental responsibilities

ISO 45001:2018
Occupational Health & Safety Management

For organizations that are serious about improving employee safety, reducing workplace risks & creating better, safer working conditions

07: Certification

Certification Process

The certification cycle covers 3 years. Hence, the process is repeated from Application.

Conducted for a period of 2 consecutive years.

Granted certificate handover.

Strictly conducted, subjective to closing off identified critical &major NC's.

Addressing and closing off identified nonconformities.

Applicant attends to the identified areas of improvement.

Application receipt & Contractual Agreement Signing.

08: Conclusion

Technical Regulation Enforcement

Protection of Environment

Health

- **A basis for regulation** : Standards are recognized solutions to implement the health and safety requirements for regulated products.
- **Efficient regulation through participatory processes** : When regulations are based on standards, these can be used to provide guidance on essential requirements.
- **Contribution to socio-economic development** : Regulations based on standards give the country access to the latest state-of-the-art requirements for products agreed by a broad stakeholder group.
- **Standards boost productivity and improve performance:** Increase efficiency by streamlining processes.

Thank you

creating peace of mind

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