

National Quality infrastructure of the Kingdom of Saudi Arabia

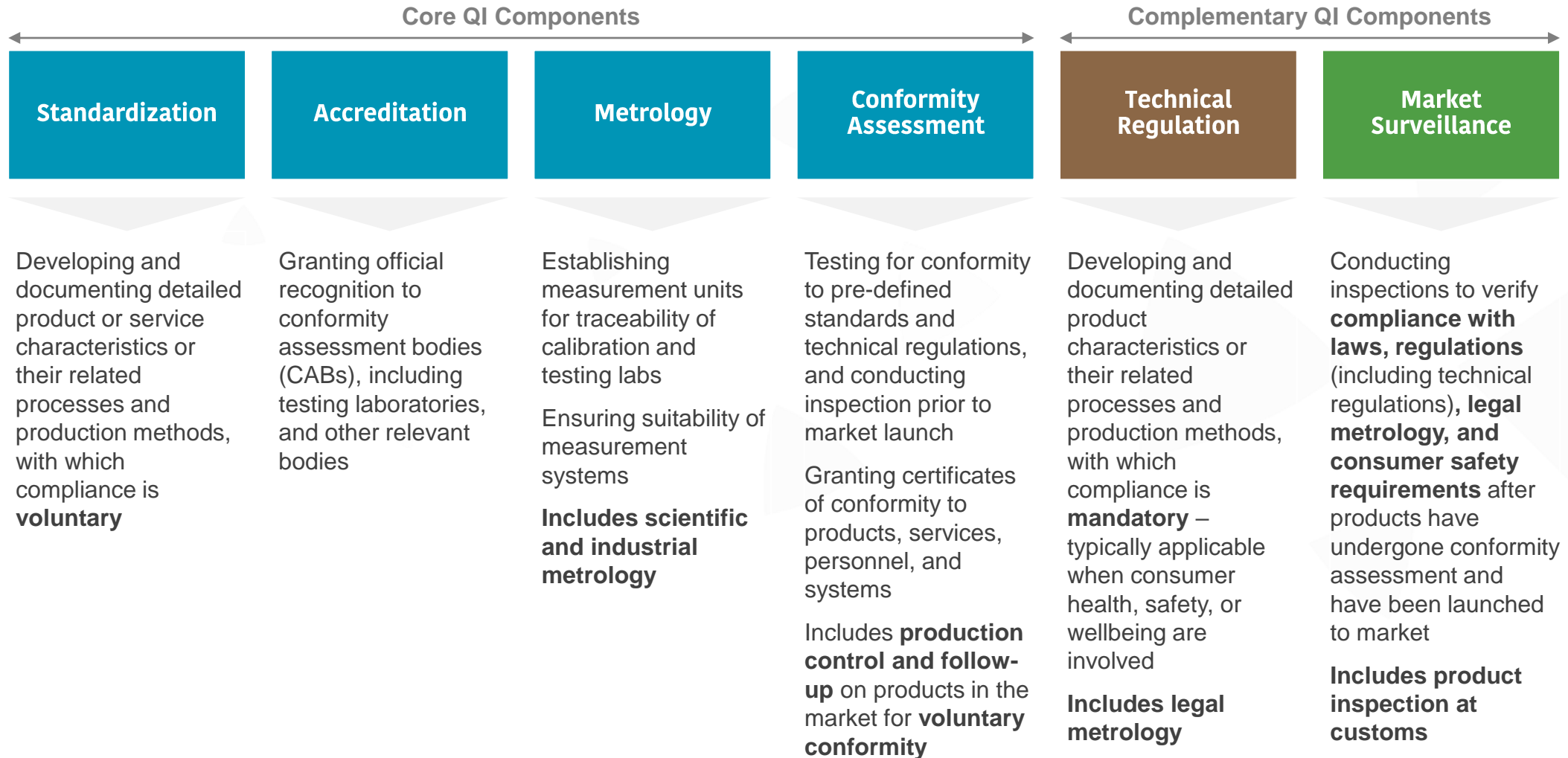
COMCEC

المواصفات السعودية
Saudi Standards



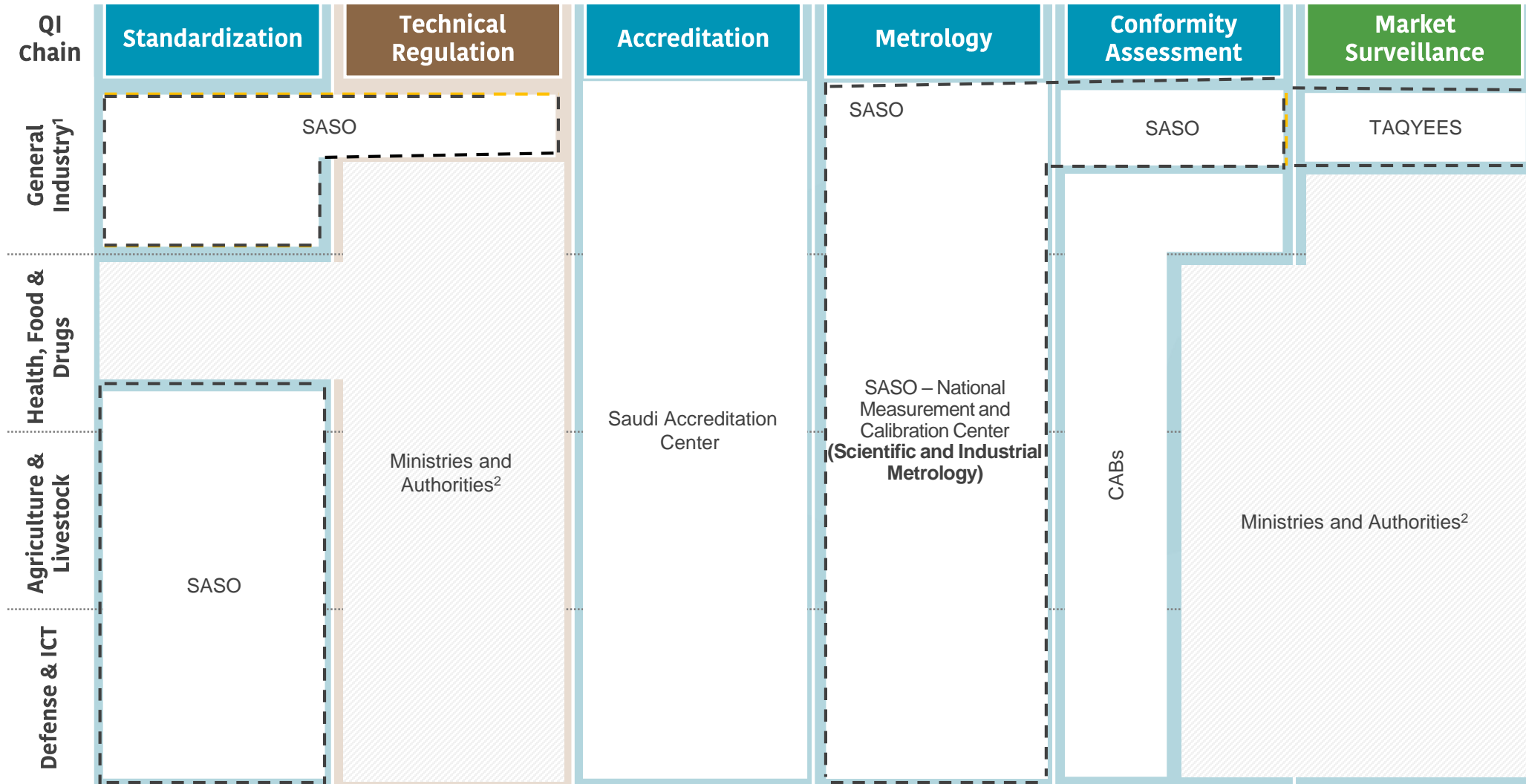
QI consists of four core components complemented by technical regulation and market surveillance

QI Chain Component Definitions





QI institutional setup

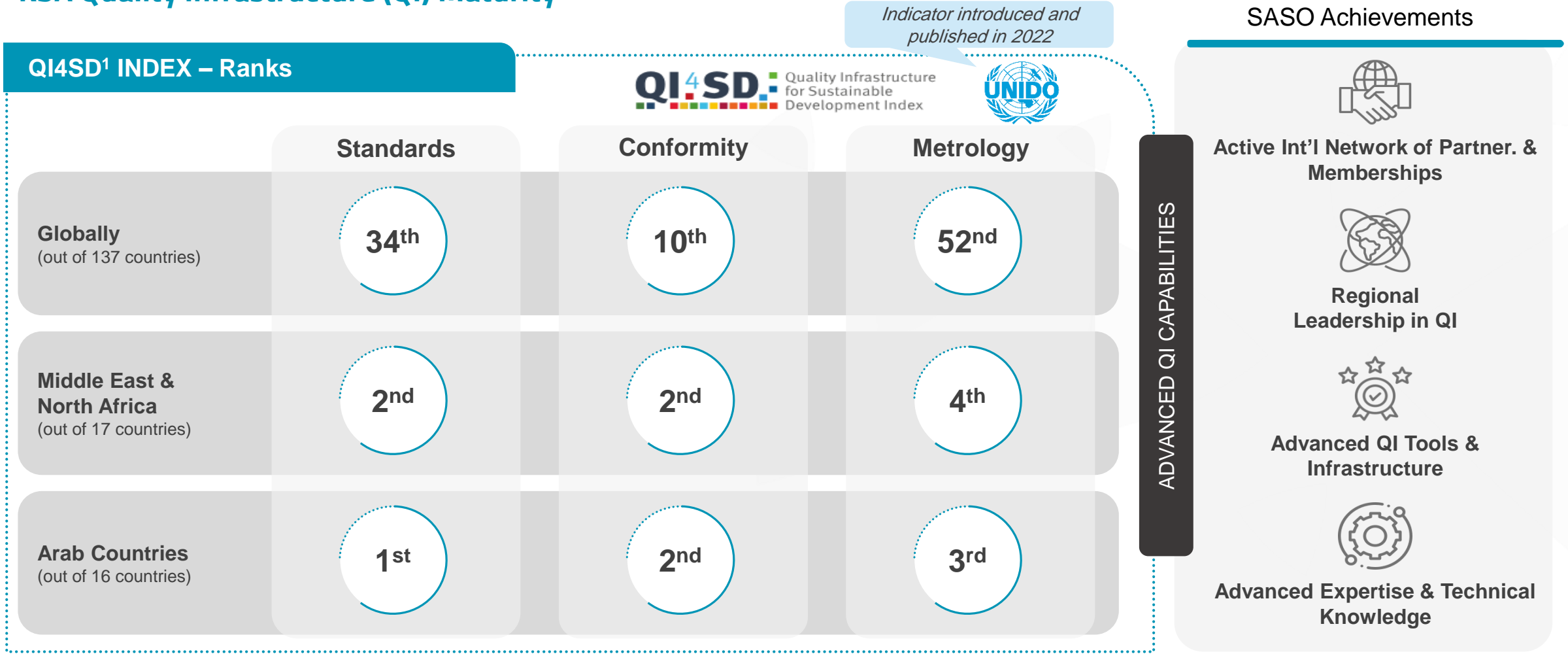


1) Excludes food, drugs, agriculture & livestock, defense, and IT sectors

2) E.g. SFDA for health, food, and drugs, MEWA for agriculture and livestock, MoI (NIC) for defense, CITC for ICT

Source: Strategy & analysis

KSA Quality Infrastructure (QI) Maturity



1) Quality Infrastructure For Sustainable Development, Source: QI4SD Index, Strategy & Analysis

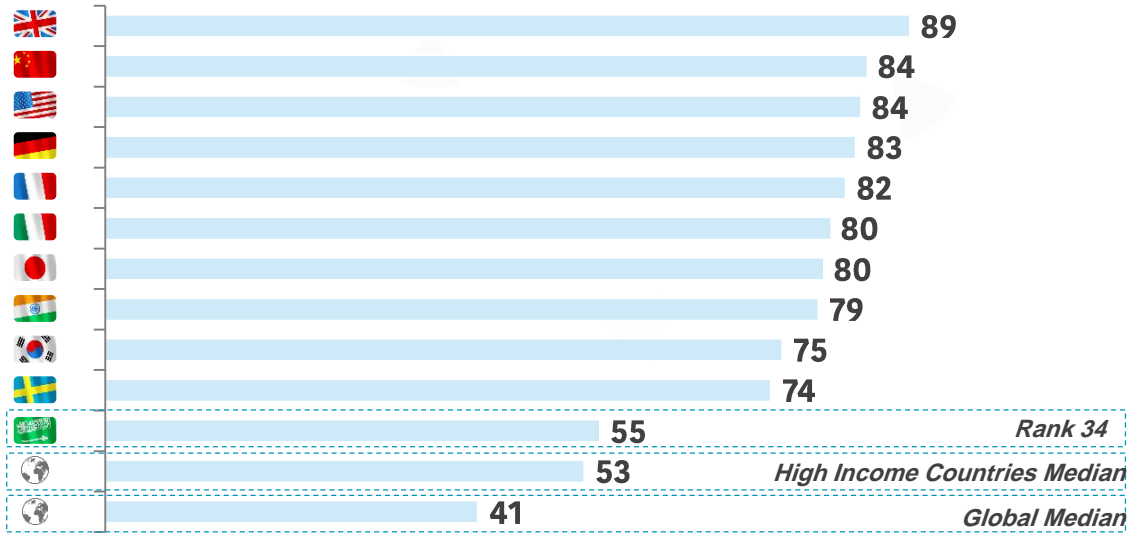
KSA has achieved a strong global ranking and regional leadership in standardization under UNIDO's QI4SD index

KSA Standardization Index Rankings

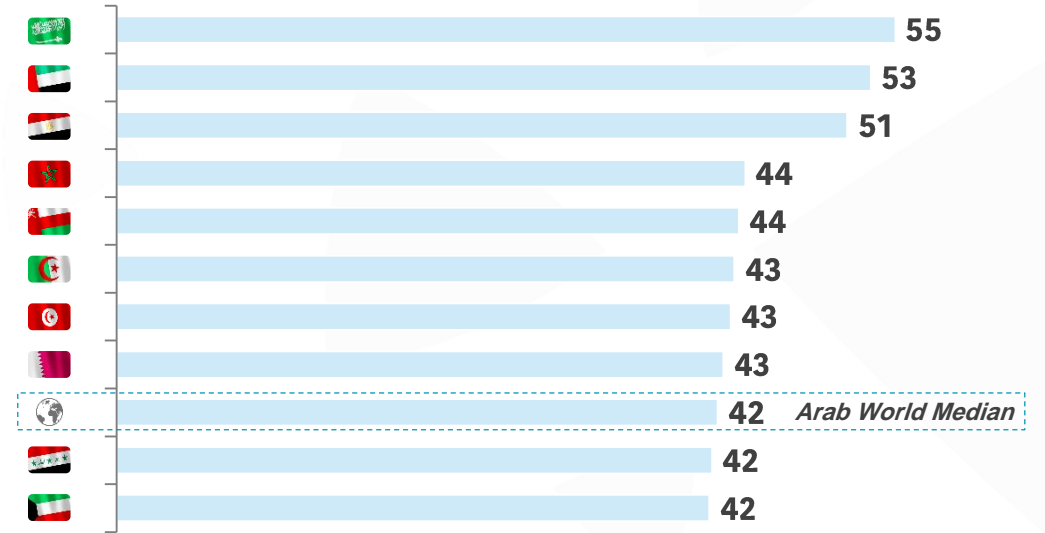


The **standardization dimension** of the QI4SD assesses a country standardization activities through **indicators** such as **adoption of standards**, international **memberships**, and participation in **technical committees of ISO and IEC**

Top 10 Countries Globally (QI4SD Standards Dimension Score, 2022)



Top 10 Countries in Arab World (QI4SD Standards Dimension Score, 2022)

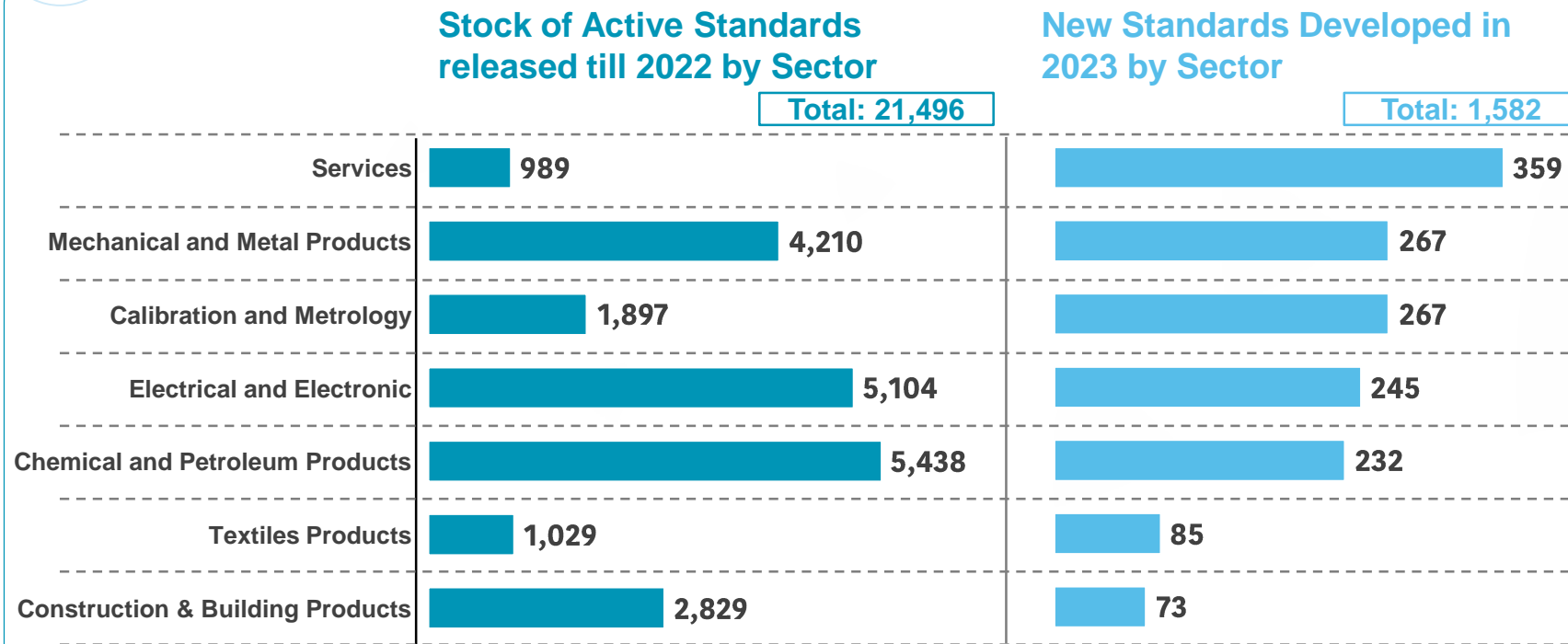


- In terms of standardization, KSA **ranked 34th globally**, positioning it **above** both the **global median** and the **median for high-income countries**
- KSA is the **top ranked country** in the Arab World

SASO Standardization Efforts



SASO Standard Development Activity by Sector



Key Insights

- SASO developed **1,582 new standards in 2023**, increasing its total stock of standards by **7.4%**
- The focus in 2023 was on the **services sector**, where SASO increased its **stock of standards by 36%**

SASO Standard Issuing Strategy



Integration of National Priorities

Sample Strategic Documents Reviewed by SASO in the SIS¹



1) Standards Issuing Strategy
Source: SASO Standard Issuing Strategy, Strategy & Analysis

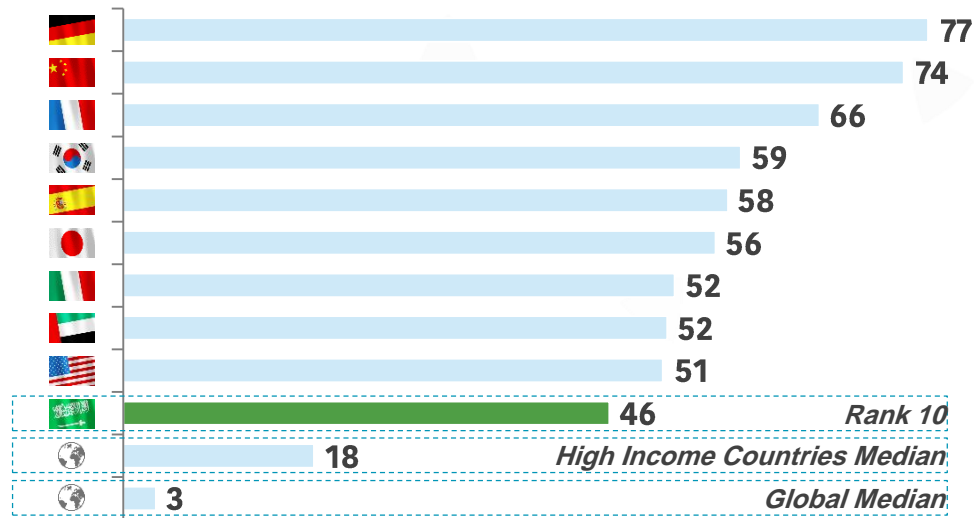
KSA ranks among the top 10 internationally and second regionally on the conformity assessment dimension of the UNIDO's QI4SD index

QI4SD Conformity Assessment Index Rankings

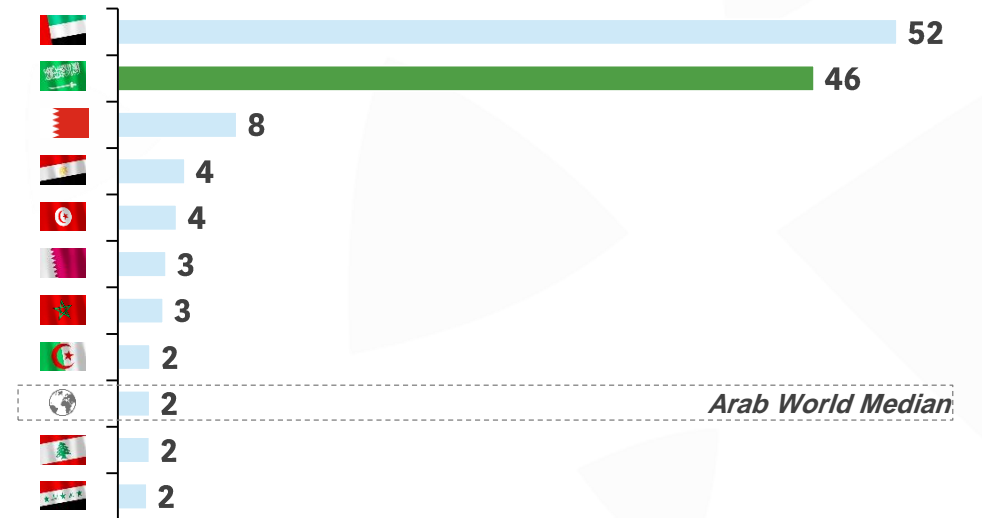


The **conformity dimension** of the QI4SD assesses a country's conformity assessment activities through indicators such as **recognized certificates and memberships in IQNet, ISO, and IEC**

Top 10 Countries Globally (QI4SD Conformity Dimension Score, 2022)



Top 10 Countries in Arab World (QI4SD Conformity Dimension Score, 2022)



- **KSA ranks 10th globally**, surpassing both the **global median** and the **median for high-income countries**
- KSA has achieved **regional leadership by ranking 2nd** among Arab countries



SABER, a notable success in conformity efforts, facilitated and streamlined products' registration process, thereby reducing private sector costs

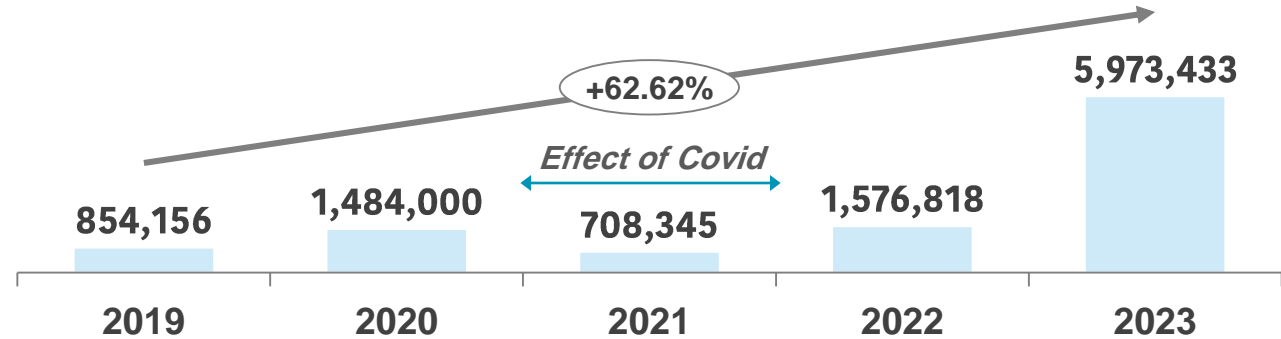
KSA SABER Platform

SABER Platform

Launched by SASO  01/01/2019

The SABER platform is an electronic system for registering and certifying products to ensure they meet Saudi market safety and quality standards

Saber Number of Registered Products



- The launch of the SABER platform ensured product conformity is achieved in the country of origin, streamlined the registration process, and significantly increased the number of registered products

BENEFITS

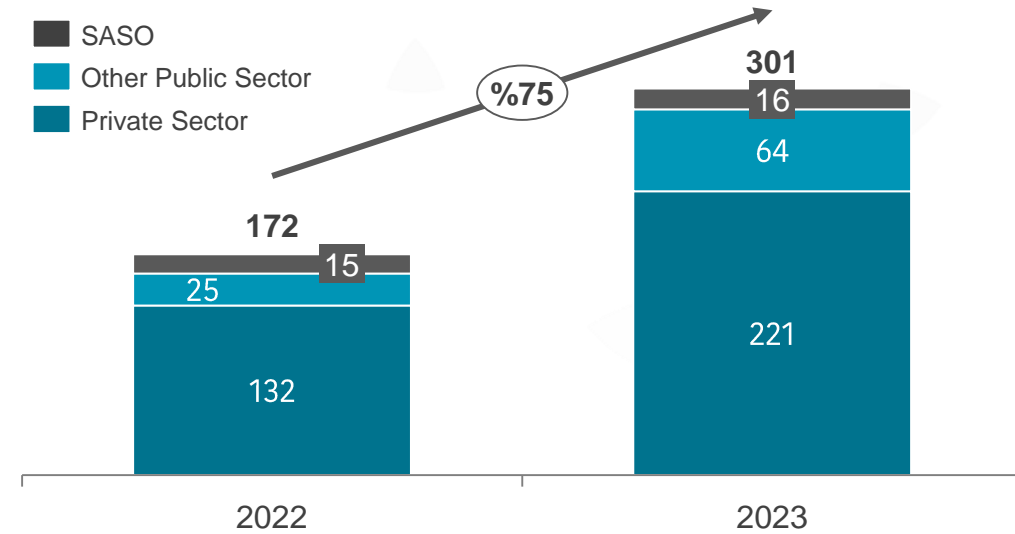
- Reduced private sector costs (e.g., shipment returns)
- Accelerated shipment release time
- Enhanced KSA's global competitiveness scoring



KSA CAB Landscape Growth

The Conformity Assessment landscape in KSA is undergoing expansion, driven by growth in private sector CABs

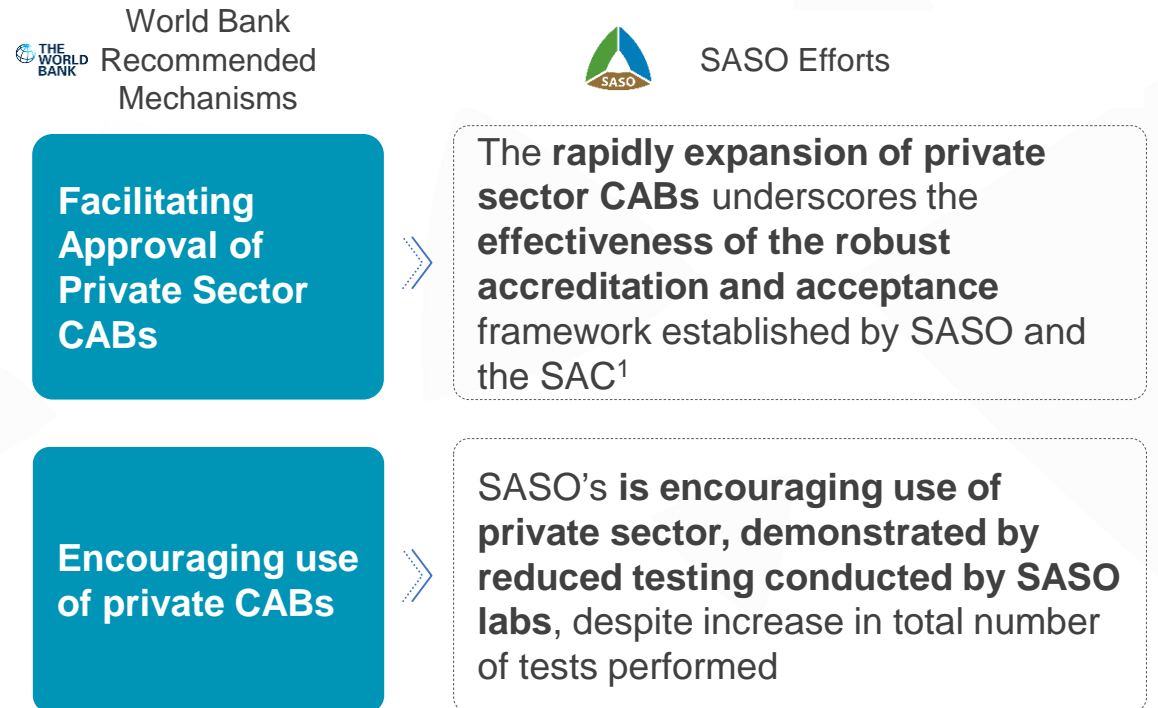
Number of Conformity Assessment Bodies (CABs) in KSA
(by category, 2022-23)



The number of CABs in KSA grew by 75% from 2022 to 2023, driven by private sector, which saw the largest increase of 89 CABs among categories

This growth has been facilitated by SASO's efforts in encouraging private sector participation

SASO Initiatives to Enhance Private Sector Participation (PSP)



1) Saudi Accreditation Centre; 2) Data excludes calibration CABs

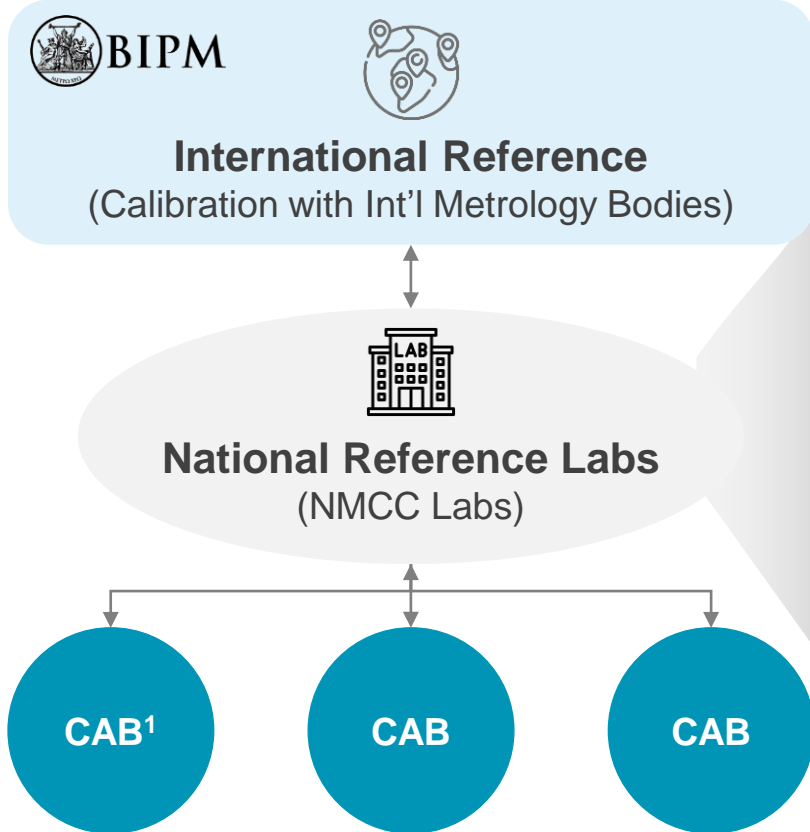
Source: SASO website, SASO Annual Reports, SAC Organization Presentation (October 2018), Stakeholder Interviews, Strategy & Analysis



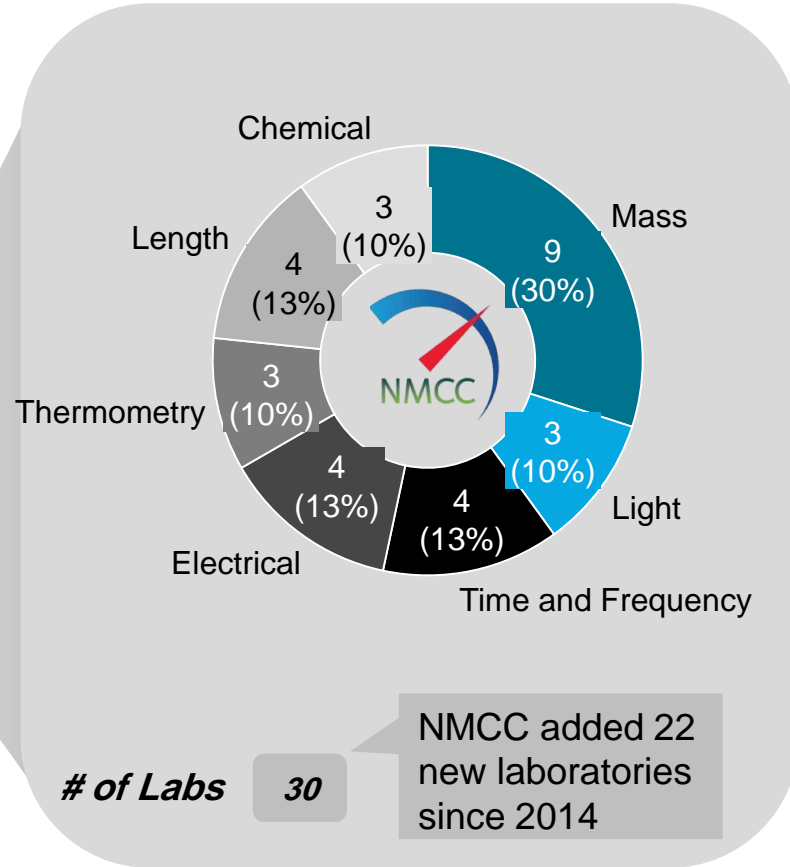
KSA's scientific metrology is led by the NMCC, a dedicated center with 30 labs and key activities in measurement standards, units, and calibrations

SASO Scientific Metrology

National Measurement and Calibration Center (NMCC) Integration



NMCC National Labs (2024)



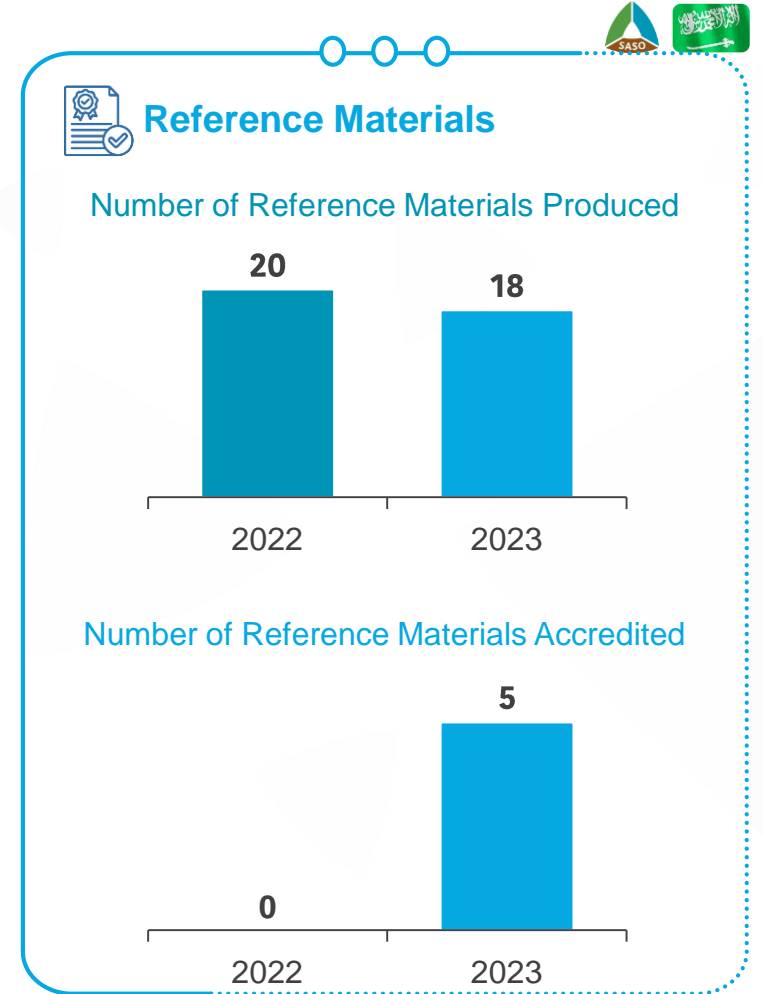
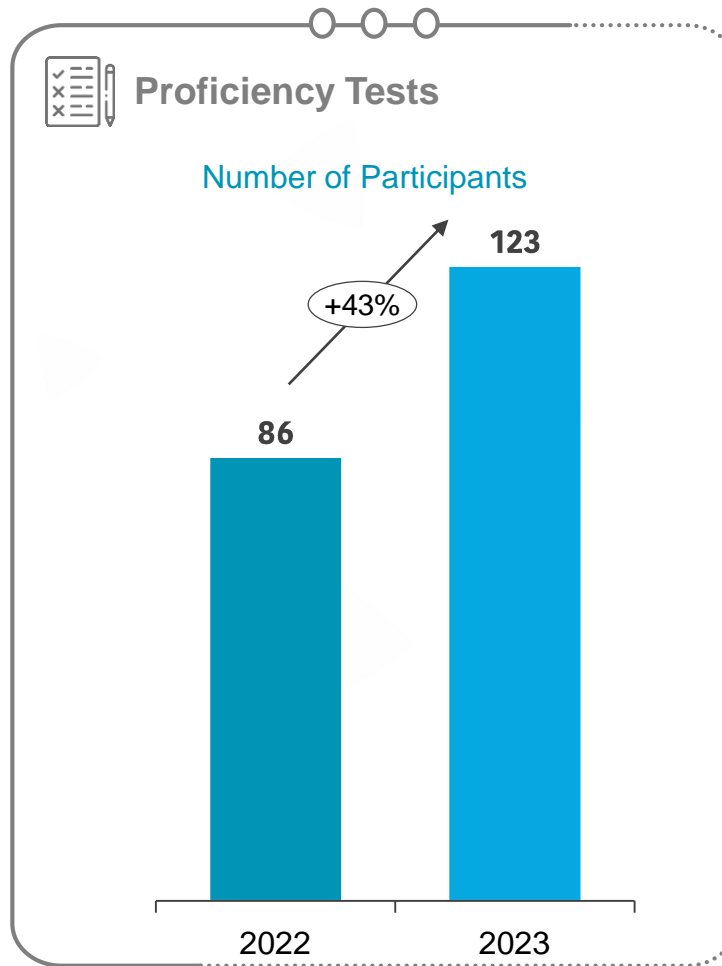
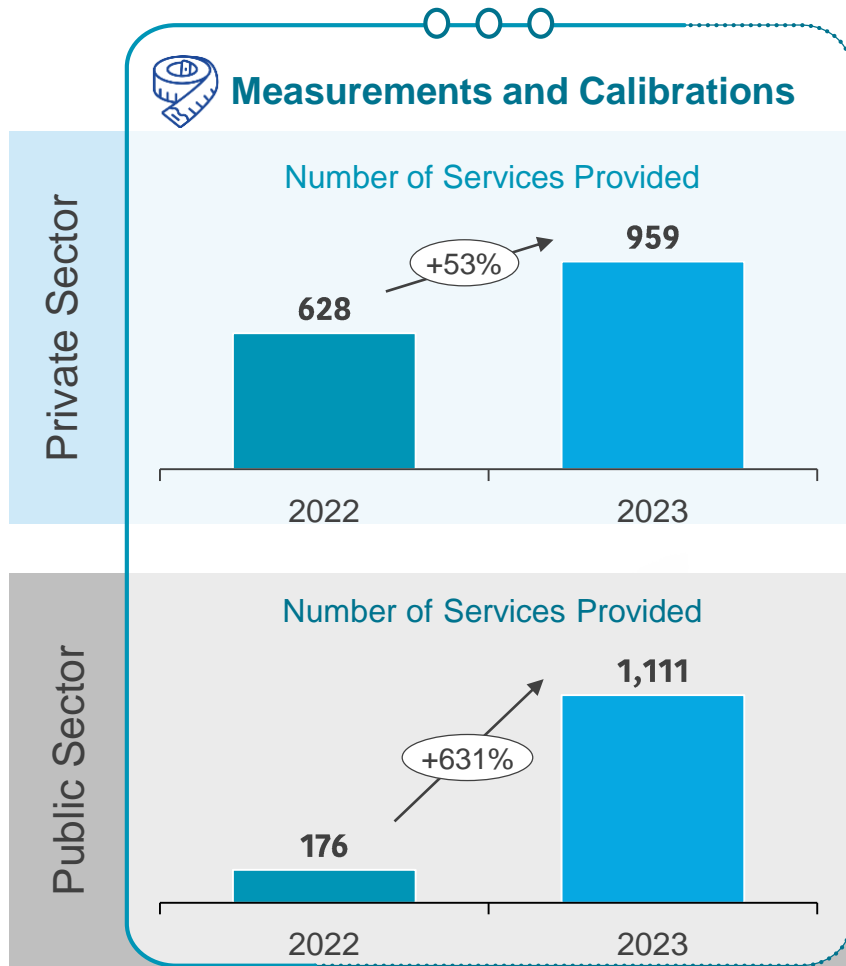
NMCC Activities

- Establishment and maintenance of measurement standards
- Definition of basic measurement units
- Calibration and quality control services
- Technical consultancy, research and educational activities
- International representation and participation

1) Conformity Assessment Body
Source: SASO, Strategy & Analysis

In fact, the NMCC increased its activities across calibration, proficiency tests and accreditation of reference materials in 2023

NMCC¹ Activities



1) National Measurement and Calibration Center
Source: SASO, Strategy & Analysis

Taqyees Program Overview



Overview

- The Taqyees program was **launched in 2018** as a **dedicated centre** for legal metrology
- The program currently covers **four measuring instruments** (electricity meters, fuel pumps, water meters and trade balances) and its functions include **type approvals, initial and periodic verifications, and market surveillance**

Taqyees Functions



Type approvals: granting national certificate to measuring devices for market entry based on a model certificate from OIML¹ accredited laboratories to demonstrate compliance with Saudi regulations



Initial verification: technical inspection to ensure that measuring devices are manufactured according to the approved model



Periodic verification: technical inspection to ensure that measuring devices are working properly, carried out either based on a request from the manufacturer/ service provider or after maintenance work is carried out on the device



Market surveillance: unannounced checks (either random or based on a consumer report) to ensure that measuring devices operate properly throughout period of use

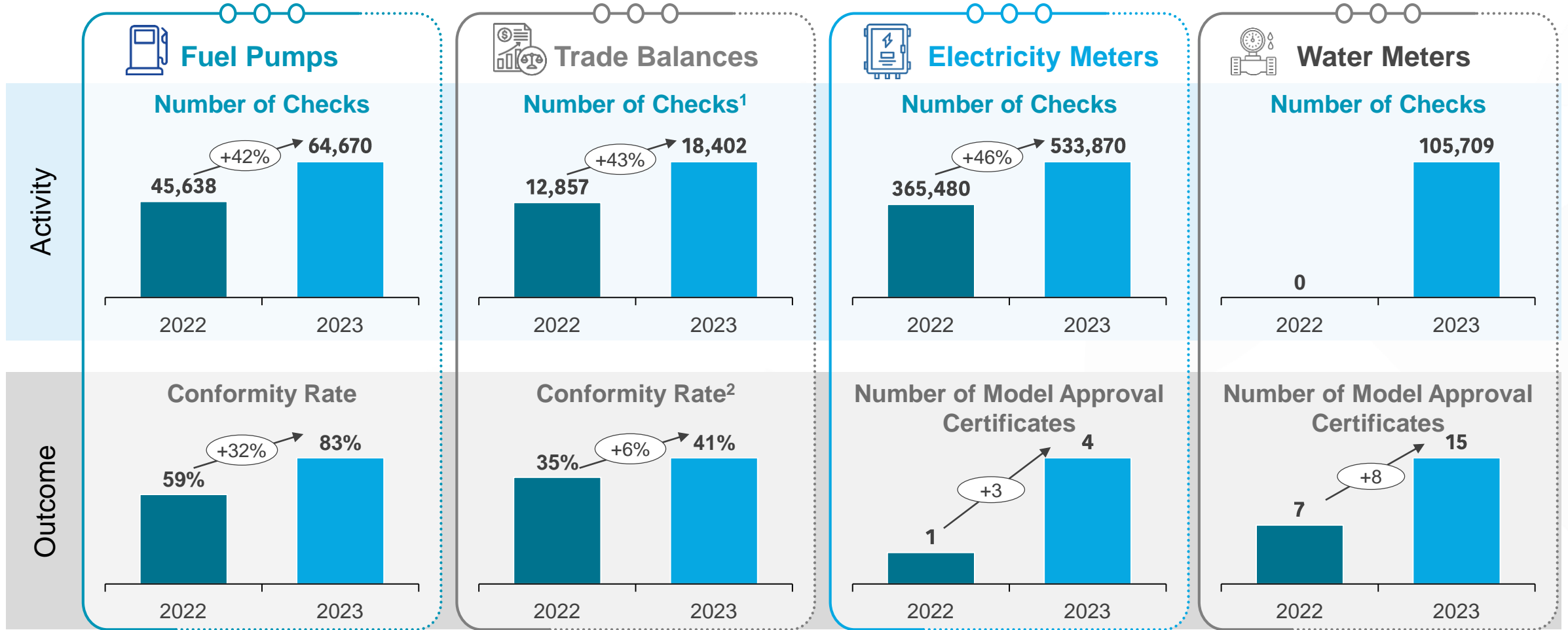


Taqyees **qualifies private sector verification bodies** who then provide the initial and periodic verification services, e.g., Taqyees **increased number of qualified verification** bodies for water meters from 3 entities in 2022 to 12 entities in 2023

1) International Organization for Legal Metrology

Taqyees' efforts to expand activities across the four instruments have improved conformity and certification outcomes

Taqyees Expanded Activities



1) Total number of trade balance includes 5 categories: gold, hypermarket, oud perfumes, grocery stores, roasters), 2) Percentage of conformity to scales (commercial)

Source: SASO, Strategy& Analysis



Thank You