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1

CHAPTER

- FOREWORD FROM
THE DIRECTOR GENERAL



DIRECTOR GENERAL

Yi-Ling Chen

In a time of rapid technological change, energy transition, and shifting global supply chains, the work of a quality infrastructure authority is becoming more important, not less. Standards, metrology, inspection, testing, and certification may not always be visible, but they are essential to safe products, fair trade, industrial upgrading, and public trust. At the BSMI, we are proud to serve at this intersection. Our work supports both economic development and the public good, and in 2025 it continued to show that quality infrastructure is not merely technical administration, but a foundation for resilience, innovation, and sustainable progress.

This report illustrates that role in practical terms. In Chapter 3, readers will see how the BSMI strengthened Taiwan's product safety regime, advanced standards aligned with international practice, expanded metrology capability, reinforced testing and verification foundations for emerging technologies, and supported the net-zero transition through green energy testing, certification, and market mechanisms. In Chapter 4, they will also see how BSMI's international cooperation extended from AI governance and cybersecurity to product safety, metrology, conformity assessment, and regulatory transparency, reflecting our commitment to both learning from global experience and contributing Taiwan's own expertise.

I am particularly proud that these efforts were not isolated achievements. Together, they reflected a clear direction: to build a regulatory and technical system that is more preventive, more science-based, more digitally enabled, and more responsive to the needs of both industry and society. In a super-aged society and a decarbonizing economy, that mission has become even more important.

Looking ahead, we will continue to deepen international cooperation, strengthen domestic testing and certification capacity, and support trusted growth in areas such as digital technologies, smart infrastructure, and clean energy. Our goal is clear: to build a BSMI that is not only effective in regulation, but also forward-looking in capability, open in cooperation, and steadfast in its contribution to safety, innovation, and sustainable development.

CHAPTER

● BSMI OVERVIEW

2.

Who We Are

The Bureau of Standards, Metrology and Inspection (BSMI) under the Ministry of Economic Affairs (MOEA) is the authority responsible for standardization, metrology and consumer product safety in Taiwan.

What We Do

Being guided by the principle of “Innovative Thinking, Proactive Service and International Connection,” we follow good practices to encourage innovation of technology, provide adequate protection for the public, and facilitate trade by eliminating technical barriers to trade.

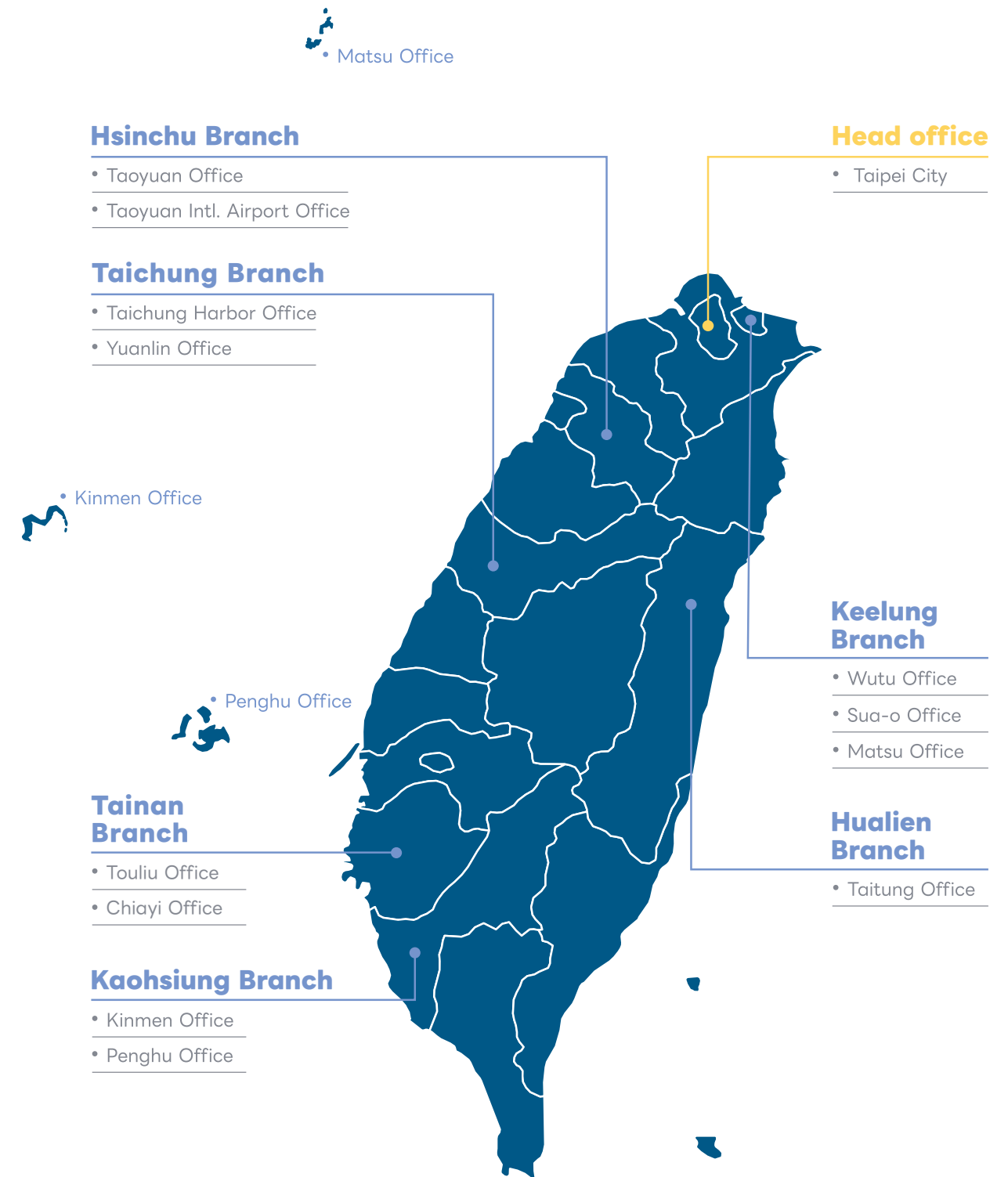
The core functions of BSMI are as follows:

- Developing and maintaining national standards;
- Regulating and monitoring safety of products, mainly industrial and consumer products; developing commodity labeling rules and requirements;
- Establishing and maintaining national metrology system, including legal metrology and scientific metrology;
- Developing voluntary certification programs for products of emerging technology, including issuance of Taiwan Renewable Energy Certificates; and
- Engaging with international partners to collaborate on matters involving standardization and conformity assessment activities.

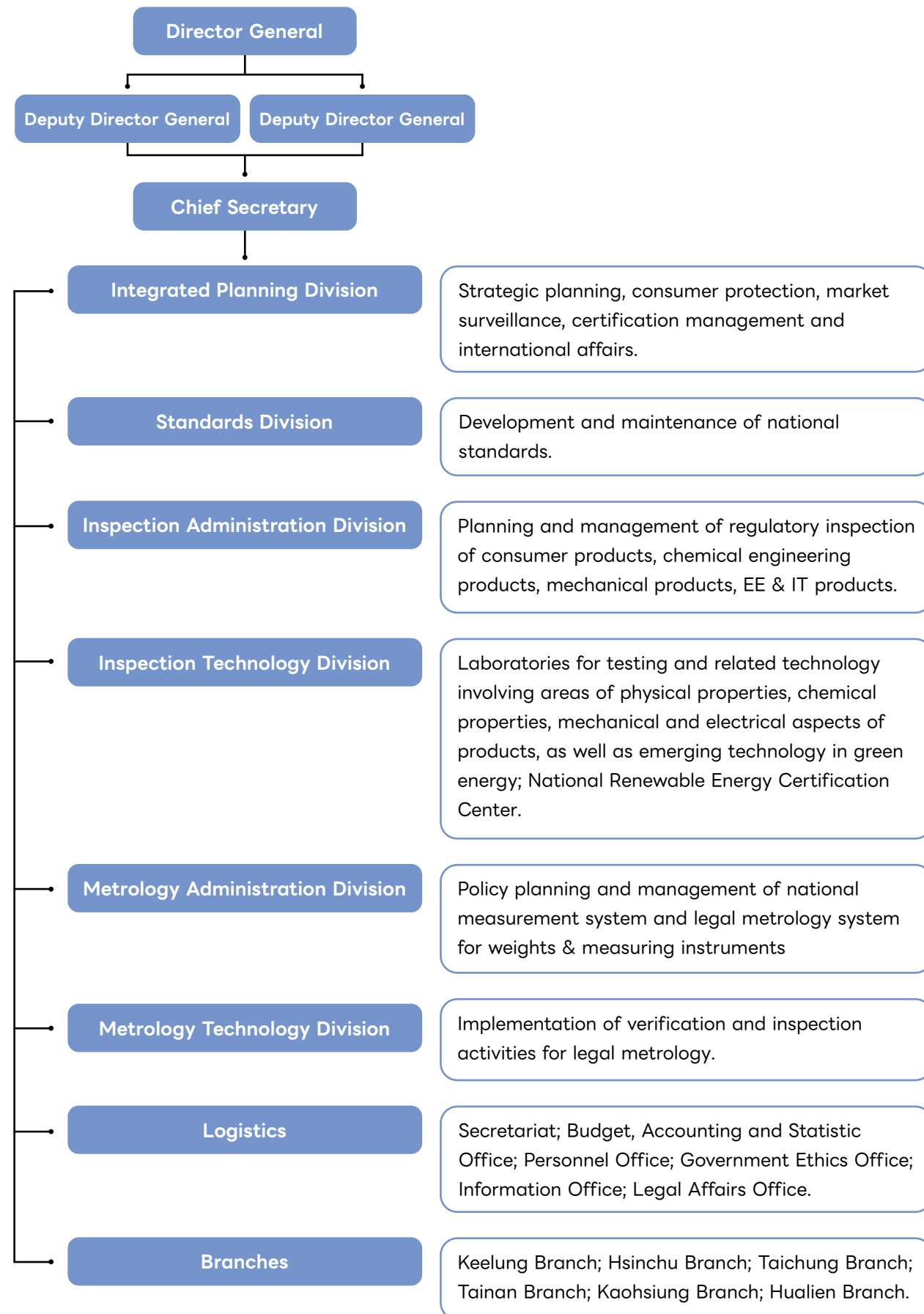


Where We Are

The BSMI has its head office in Taipei City, the capital of Taiwan, and 6 branches located in harbors, airports and major cities, providing a dense network of services nationwide.



Organization Chart by Activities



HIGHLIGHTS OF 2025

In 2025, the BSMI continued to strengthen Taiwan's quality infrastructure through coordinated action in five areas: product safety oversight, standards development, metrology capability, testing and verification for emerging technologies, and green energy market support.

Together, these measures show how the BSMI combines regulation, technical capability, and international alignment to support industrial development, consumer protection, and Taiwan's net-zero transition.

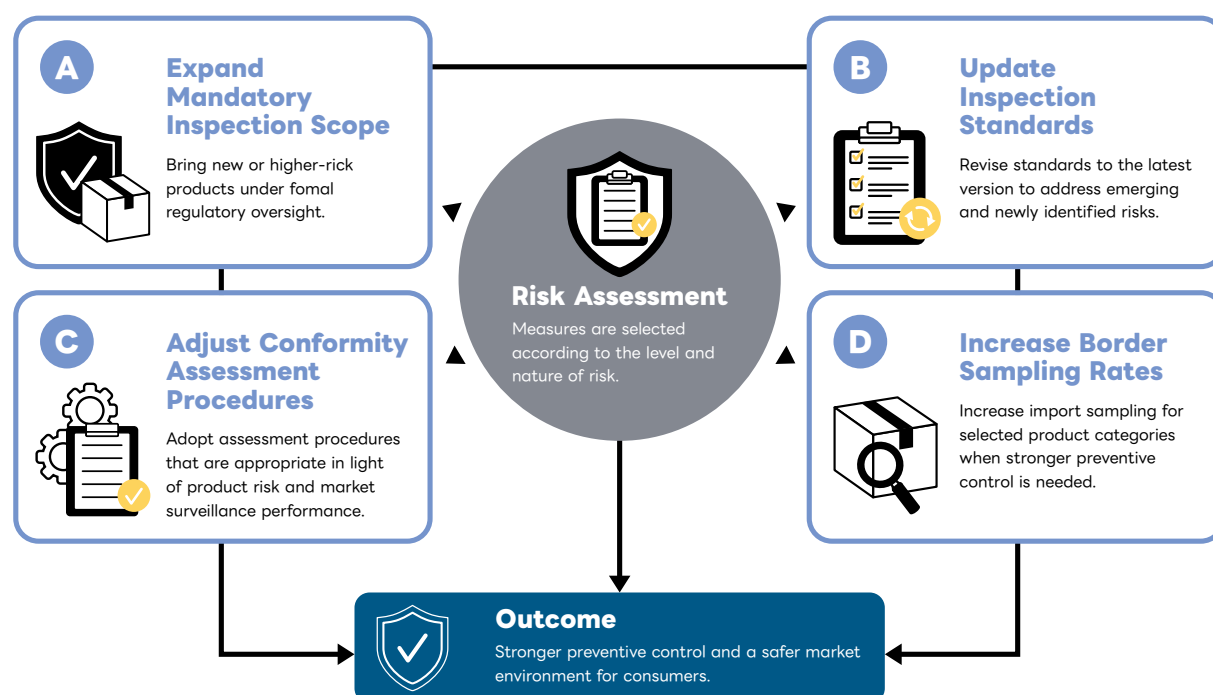
3 CHAPTER

Strengthening Product Safety and Safeguarding the Consumer Environment

(1) Strengthening pre-market controls

In 2025, the BSMI continued to strengthen Taiwan's product safety framework in response to emerging risks, energy transition policies, and low-carbon transport needs. Mandatory inspection was expanded to cover seven types of USB rechargeable products with built-in lithium batteries, photovoltaic (PV) inverters, and sustainable aviation fuel (SAF), bringing higher-risk and policy-relevant products under formal regulatory oversight.

The BSMI also refined inspection requirements for a number of regulated products to strengthen preventive control before products enter the market. Key measures included expanding regulatory coverage for cordless electric hand tools, strengthening requirements for power conversion systems, updating inspection standards and conformity assessment procedures for infant walkers and strollers, and increasing sampling rates for selected consumer and children's products.



STRENGTHENING PRE-MARKET CONTROLS ▲

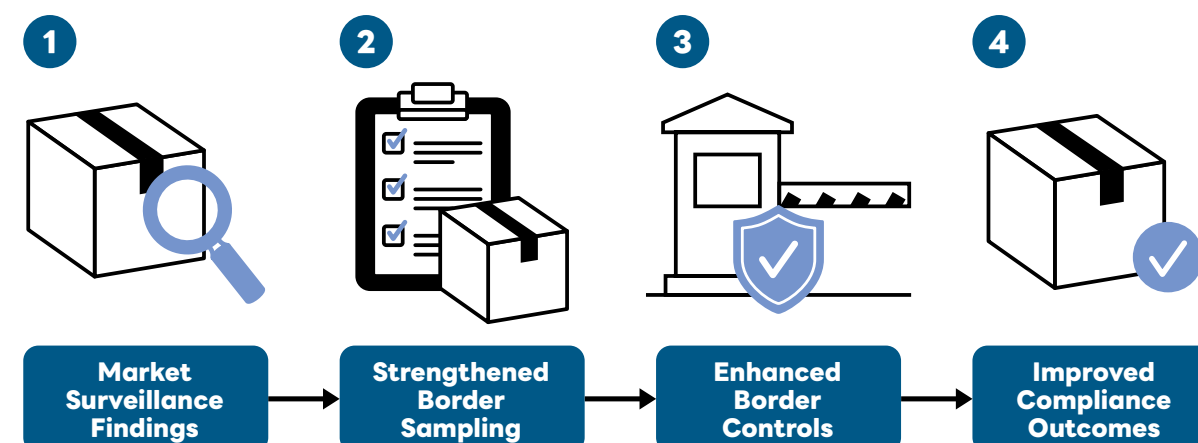
(2) Enhancing post-market and online surveillance

Post-market surveillance was further reinforced across both physical and online sales channels. In 2025, the BSMI tested 3,117 products, focusing on higher-risk items such as seasonal, festive, and high-profile consumer products. The non-compliance rate was 11.04% and the results were disclosed publicly to support informed consumer choice and proper product use.

To strengthen oversight of products sold online, the BSMI used web crawler technology to identify regulated products listed online without the required Commodity Inspection Mark. This led to the removal of 17,391 non-compliant listings from major e-commerce platforms in 2025, enhancing consumer protection in the digital marketplace.

(3) Strengthening oversight of lithium battery products

The BSMI also took targeted action to address growing safety concerns related to lithium battery products. Following market surveillance findings involving non-compliance in critical components and Chinese labeling for certain power banks and portable energy storage power banks, the BSMI increased the border sampling rate for power banks tenfold from October 24, 2025. After the strengthened measure took effect, 41 products were sampled by year-end and all were compliant.



Improving Power Bank Compliance ▲
through Enhanced Border Sampling and Controls

These efforts reflect the BSMI's continued move toward a more integrated product safety regime combining pre-market controls, post-market surveillance, digital enforcement, and targeted risk response.

Advancing Industrial Development and Enhancing Quality of Life through Standardization

(1) Aligning standards with national priorities and international practice

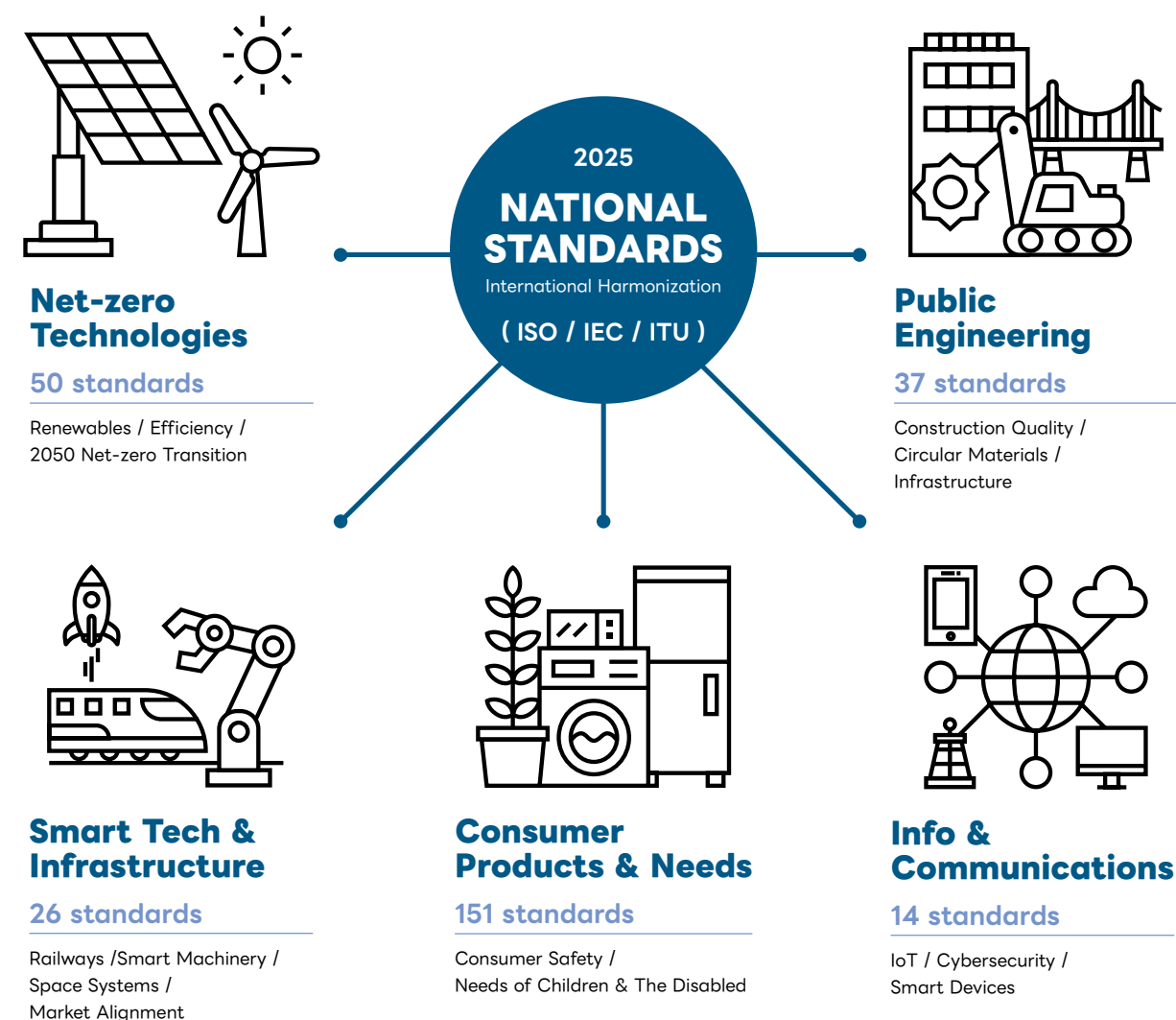
In 2025, the BSMI developed or revised a total of 278 national standards (CNS) in support of major government priorities, including the “Five Trusted Industry Sectors” and “2050 Net-Zero Emissions.” By aligning CNS development with international standards, such as those developed by ISO, IEC, and ITU, and domestic priorities, the BSMI is using standardization not only to support industry and infrastructure, but also to reduce technical barriers to trade and improve usability and safety in daily life.

(2) Supporting industrial transformation and infrastructure development

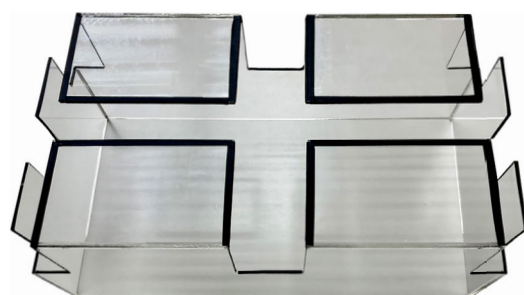
Of the total, 50 standards were developed or revised in support of net-zero technologies, including renewable energy and energy efficiency applications. Another 26 standards addressed railway construction, smart machinery, and space systems, supporting transportation development, industrial upgrading, and the growth of Taiwan’ s emerging space sector. In the field of information and communications, the BSMI developed or revised 14 cybersecurity-related standards for sensing devices, radio equipment, and smart home devices to address growing security challenges associated with the Internet of Things (IoT). 37 standards for public engineering were also developed or revised to help improve construction quality and safety, promote the use of circular materials, and support major infrastructure projects.

(3) Improving daily life through inclusive and user-oriented standards

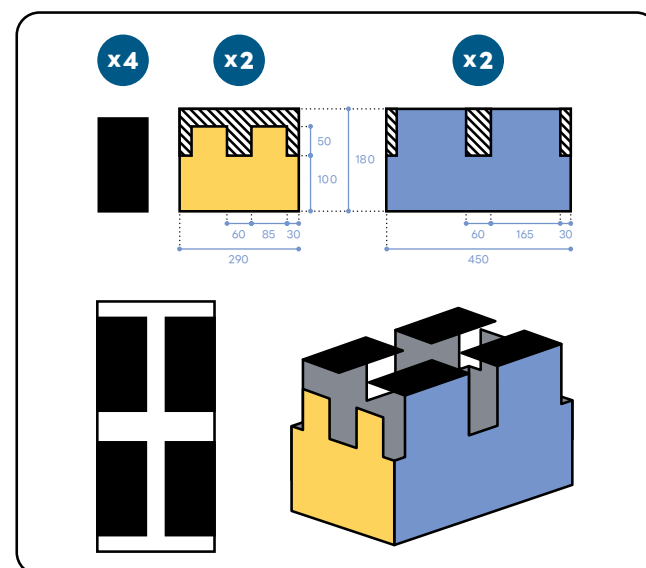
In 2025, 151 standards were revised to improve the safety and quality of consumer products and to better meet the needs of children, older people, and people with disabilities. This reflects the BSMI’ s broader approach to standardization as both an industrial policy tool and a means of improving quality of life.



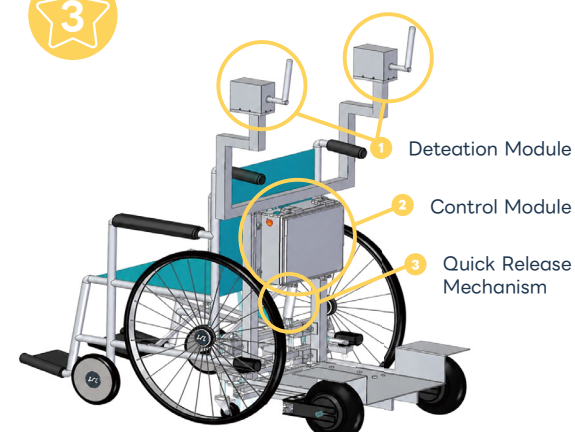
To further promote universal design and practical innovation, the BSMI organized the “Universal Design in Assistive Devices Competition” and the “Friendly Commercial Assistive Devices Selection,” with an awards ceremony held on November 18. Award-winning and selected products included solutions designed to improve accessibility, mobility, rehabilitation, and caregiving support. As Taiwan enters a super-aged society, these efforts demonstrate how standardization can contribute to a more inclusive and user-friendly living environment.



**Innovative Design
for Box Lid**



iDance Wheel



**External Power-Assisted
Mobility Device
For Wheelchairs**

Award-Wining Designs From the Universal Design in Assistive Devices Competition ▲



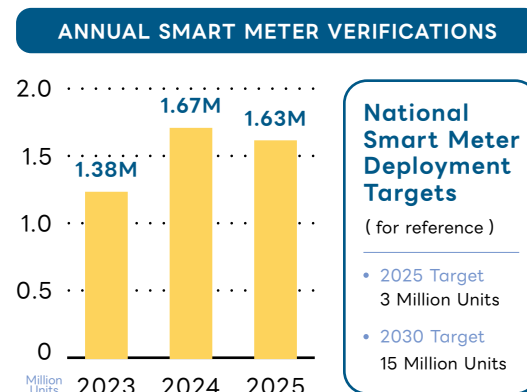
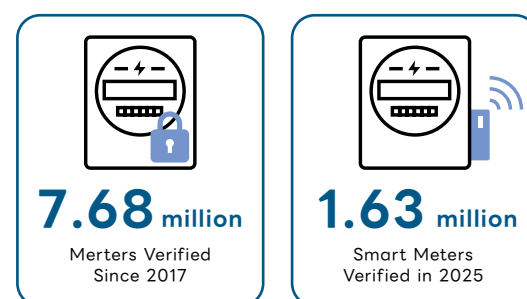
Award Winners of the Universal Design in Assistive Devices Competition and Friendly Commercial Assistive Devices Selection ▲

Aligning with International Metrology Standards and Enhancing Taiwan's Metrology Capability

(1) Strengthening legal metrology for energy transition and emerging applications

In 2025, the BSMI continued to strengthen legal metrology in support of Taiwan's energy transition and infrastructure development. To support smart grid deployment, it expanded electricity meter verification capacity, helping ensure the accuracy and reliability of electricity data needed for energy management, demand response, and smart grid applications. Since 2017, more than 7.68 million meters have been verified, including 1.63 million smart meters in 2025. This expanded capacity helped support Taiwan's smart meter deployment schedule and reduced potential bottlenecks in meter verification as installation volumes continued to increase. The BSMI also advanced improvements in sealing methods and materials, exploring new sealing approaches and introducing durable, lead-free materials to enhance anti-counterfeiting performance and environmental sustainability.

With the rapid expansion of electric vehicle infrastructure, the BSMI continued the mandatory verification of Electric Vehicle Supply Equipment (EVSE), which has been regulated as a legal measuring instrument since 2023. In 2025, 6,736 EV charging connectors were verified, ensuring accurate metering and fair charging practices. Verification compliance tags were also upgraded with improved durability and weather resistance to address outdoor operating conditions.



On-site verification of EV charging equipment and enhanced compliance Tag with a Transparent Protective Sticker ▲

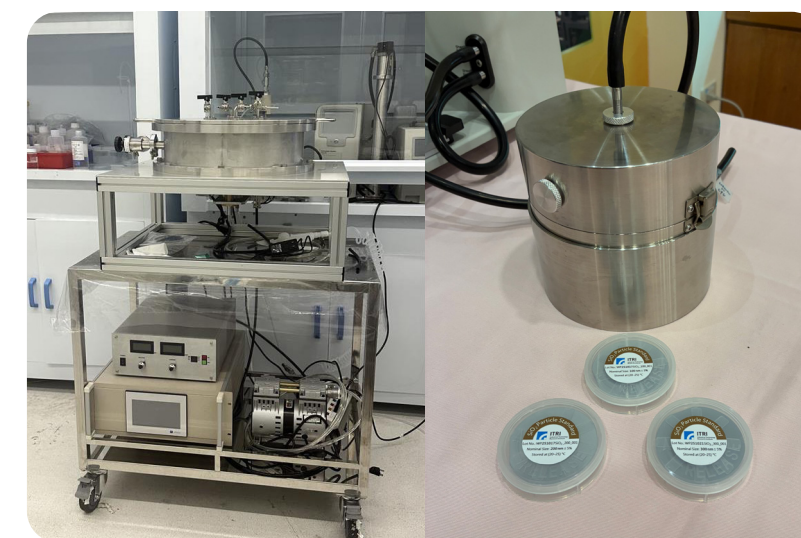
In 2025, the BSMI strengthened Taiwan's metrology system across legal metrology, scientific measurement capability, laboratory infrastructure, and international cooperation, reinforcing the foundations for fair trade, industrial innovation, and international credibility.

(2) Advancing scientific metrology to support high-tech industries

The BSMI further strengthened its scientific metrology capabilities in 2025. It established a Tc-99 activity standard, providing traceable measurement capability for applications such as nuclear power plant decommissioning, environmental monitoring, and radioactive waste management. It also developed particle size measurement technologies for semiconductor wafer surfaces and produced standard wafer samples (20 nm and 100 nm), supporting precision measurement in defect detection, contamination control, and yield improvement.



Tc-99 Standard Samples ▲

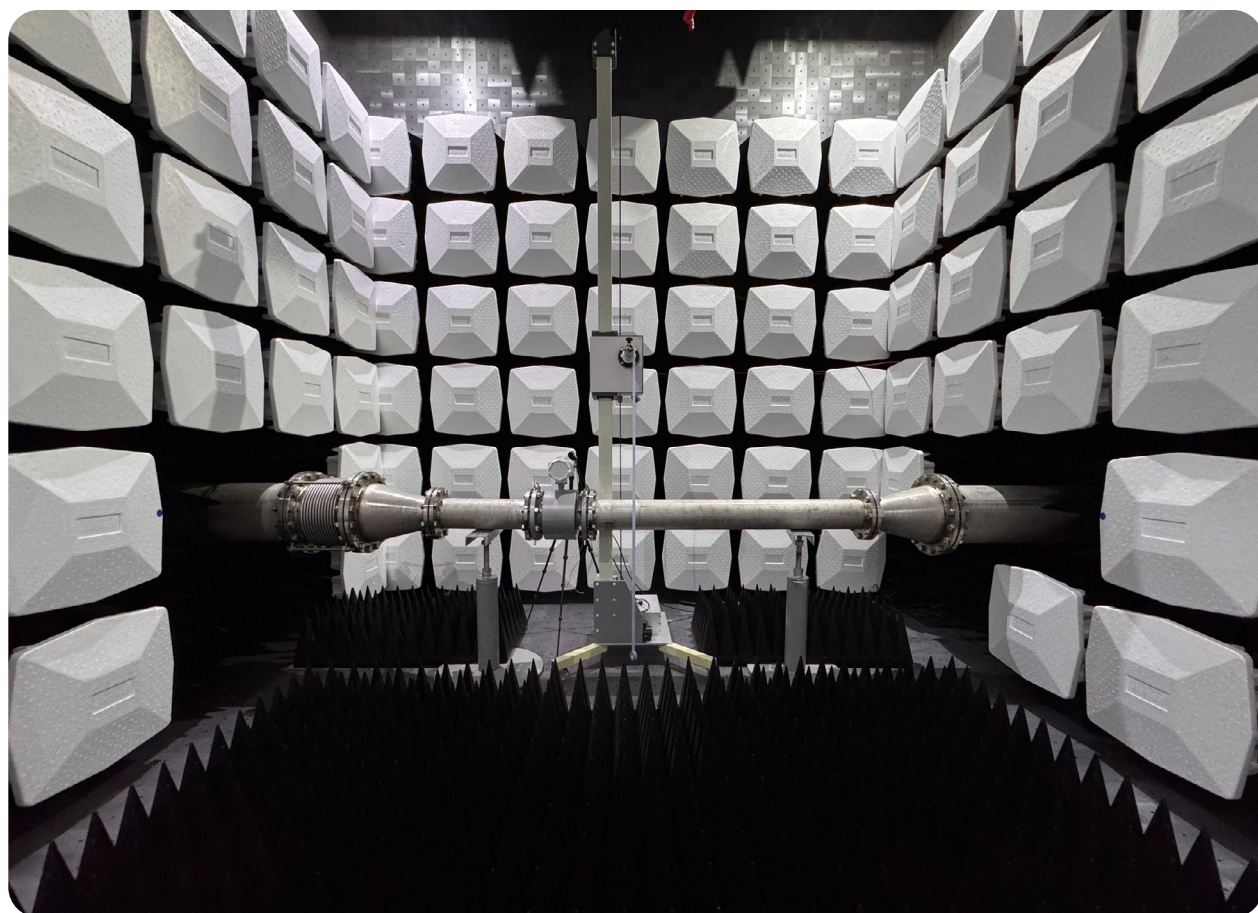


System for producing standard wafer samples ▲

(3) Expanding national measurement infrastructure and services

In January 2025, the BSMI inaugurated the Xizhi Measurement Laboratory, replacing the Chengde Road facility and expanding Taiwan' s metrology capacity. The laboratory provides advanced testing, calibration, and verification services to support trade fairness and regulatory enforcement.

It also offers testing services aligned with the latest OIML technical specifications for electronic water and gas meters and has established Asia' s first real-flow Electromagnetic Interference (EMI) testing facility. These capabilities enable domestic manufacturers to reduce R&D costs and shorten time-to-market while strengthening industrial competitiveness.



The First Real-Flow Electromagnetic Interference (EMI) Testing Facility in Asia ▲

(4) Enhancing international cooperation and regional engagement

The BSMI continued to expand international cooperation through its National Measurement Laboratory (NML). In 2025, it signed a Strategic Cooperation Agreement with the National Institute of Metrology of Thailand (NIMT) and a Memorandum of Agreement with the UK' s National Physical Laboratory (NPL), covering areas such as semiconductors, smart machinery, artificial intelligence, and critical materials.

Taiwan also hosted the APMP Mid-Year Meeting for the first time, bringing together 75 experts from 17 Asia-Pacific economies to strengthen regional collaboration. In parallel, the Green Energy Symposium on Metrology, Testing, and Certification focused on photovoltaics, EV charging, battery energy storage systems, hydrogen energy, and power quality, supporting measurement capabilities aligned with global net-zero and sustainability trends.



Symposium on “Green Energy Symposium — Metrology, Testing and Certification” ▲

Overall, these efforts demonstrate the BSMI' s continued commitment to strengthening Taiwan' s metrology system through enhanced verification capacity, advanced measurement capabilities, modernized infrastructure, and deeper international collaboration.

Upgrading Emerging Industries and Strengthening Key Testing and Verification Foundations

(1) Advancing standards and verification for next-generation communications technologies

In 2025, the BSMI continued to strengthen the technical standards, testing and certification frameworks needed to support emerging industries, including next-generation communications and advanced energy storage applications in response to the rapid development of the IoT, artificial intelligence (AI), big data, cloud computing, and 5G/6G applications.

For 5G smart poles, the BSMI worked with industry alliances to refine technical specifications and national standards while supporting product testing and field verification. Integrating functions such as 5G small cells, environmental sensing, and video surveillance, smart poles have become key infrastructure for smart city development. The BSMI has implemented a Voluntary Product Certification (VPC) scheme for 5G smart poles since 2023, with revisions completed in February 2025. Related achievements were presented at the 2025 APEMC meeting held in Taipei in May.

At the same time, the BSMI advanced preparatory work for 6G technologies, including draft technical specification and enhanced laboratory capabilities in areas such as user equipment EMC, Zero Trust Network Access (ZTNA), and O-RAN micro base stations, strengthening the foundation for Taiwan's next-generation communications ecosystem.



◀ 2025 APEMC Asia-Pacific International Symposium on Electromagnetic Compatibility

(2) Strengthening safety and regulatory frameworks for energy storage systems

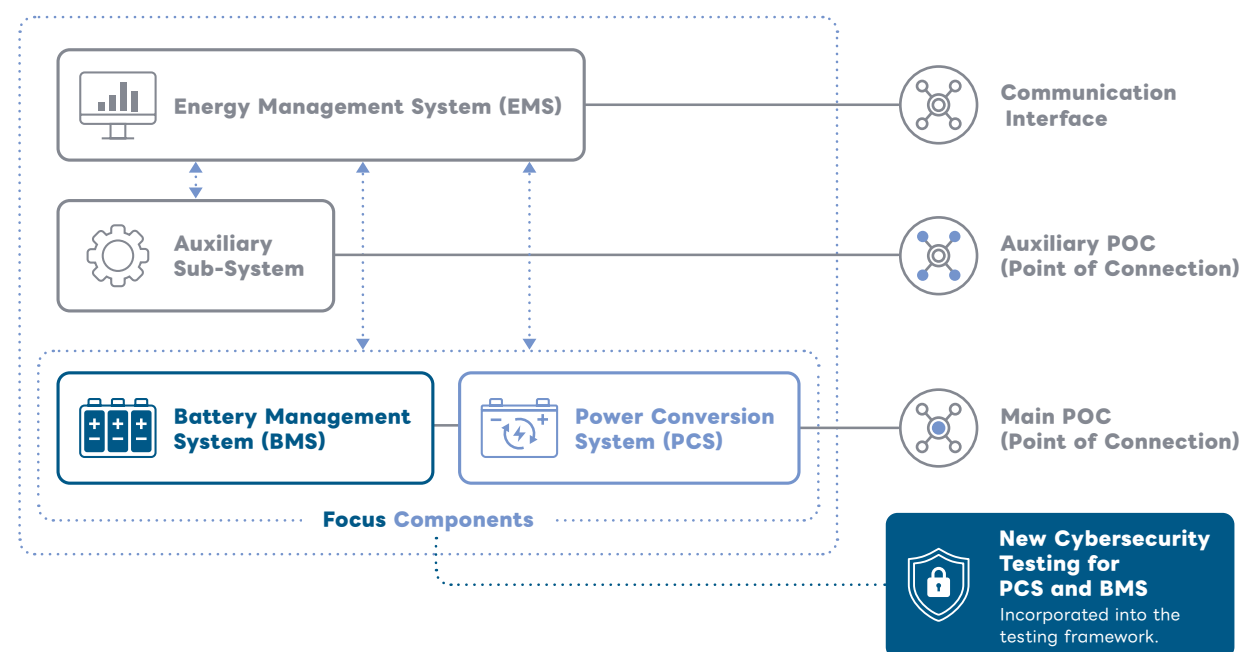
To support the safe deployment of energy storage systems, the BSMI expanded inspection frameworks for stationary lithium battery storage appliances. In December 2025, it revised earlier requirements by extending the scope of mandatory inspection from systems of 20 kWh or below to 100 kWh or below, reflecting the maturity of domestic testing capacity. (Please see below for details.) The updated requirements incorporate not only electrical safety, electromagnetic compatibility (EMC), and grid-connection, but also cybersecurity requirements for larger-capacity systems, aligning safety oversight with evolving system complexity and grid integration needs.

Schedule for Mandatory Inspection of Stationary Lithium Battery Storage Appliances

Inspection Scope	Implementation Timeline	Key Inspection Items
Rated Battery Capacity of 20 kWh or below	July 1, 2026	Electrical safety, EMC, grid connection
Rated Battery Capacity above 20 kWh and below 100 kWh	July 1, 2027	Electrical safety, EMC, grid connection, cybersecurity requirements and specific grid-connection requirements

(3) Building testing and certification capacity for grid stability and system safety

The BSMI continued to strengthen testing and cybersecurity capabilities across key components of energy storage systems, including the Power Conversion System (PCS), Battery Management System (BMS), and Energy Management System (EMS). It has established MW-class PCS testing capabilities in 2023, which was accredited by TAF in 2025 and delivered initial testing services. Cybersecurity requirements have been progressively incorporated into the VPC and RPC frameworks, with cybersecurity testing specifications issued for PCS and under development for BMS. These efforts support the safe integration of energy storage systems into the power grid and enhance overall system resilience.



▲ Schematic diagram of energy storage system architecture (Source: CNS 62933-1:2021, Technical Specification)

*The key cybersecurity testing elements include (1) physical security, (2) identification, authentication and authorization security, (3) data storage security, (4) data transmission security, and (5) system security.

(4) Enhancing on-site safety verification for energy storage applications

To address safety risks associated with large-scale energy storage installations, the BSMI established domestic testing capability through Taiwan's first large-scale fire test for lithium battery systems, conducted in 2025.

Based on this capability, the BSMI introduced the "Technical Specifications for On-site Certification of Outdoor Battery Energy Storage Systems," requiring such systems to complete fire testing prior to obtaining certification from January 1, 2026. This measure strengthens site-level safety verification and supports the stable operation of energy infrastructure.



The First Large-Scale Fire Test for a Module-Level Battery and a Unit-Level Lithium Battery Energy Storage System ▲

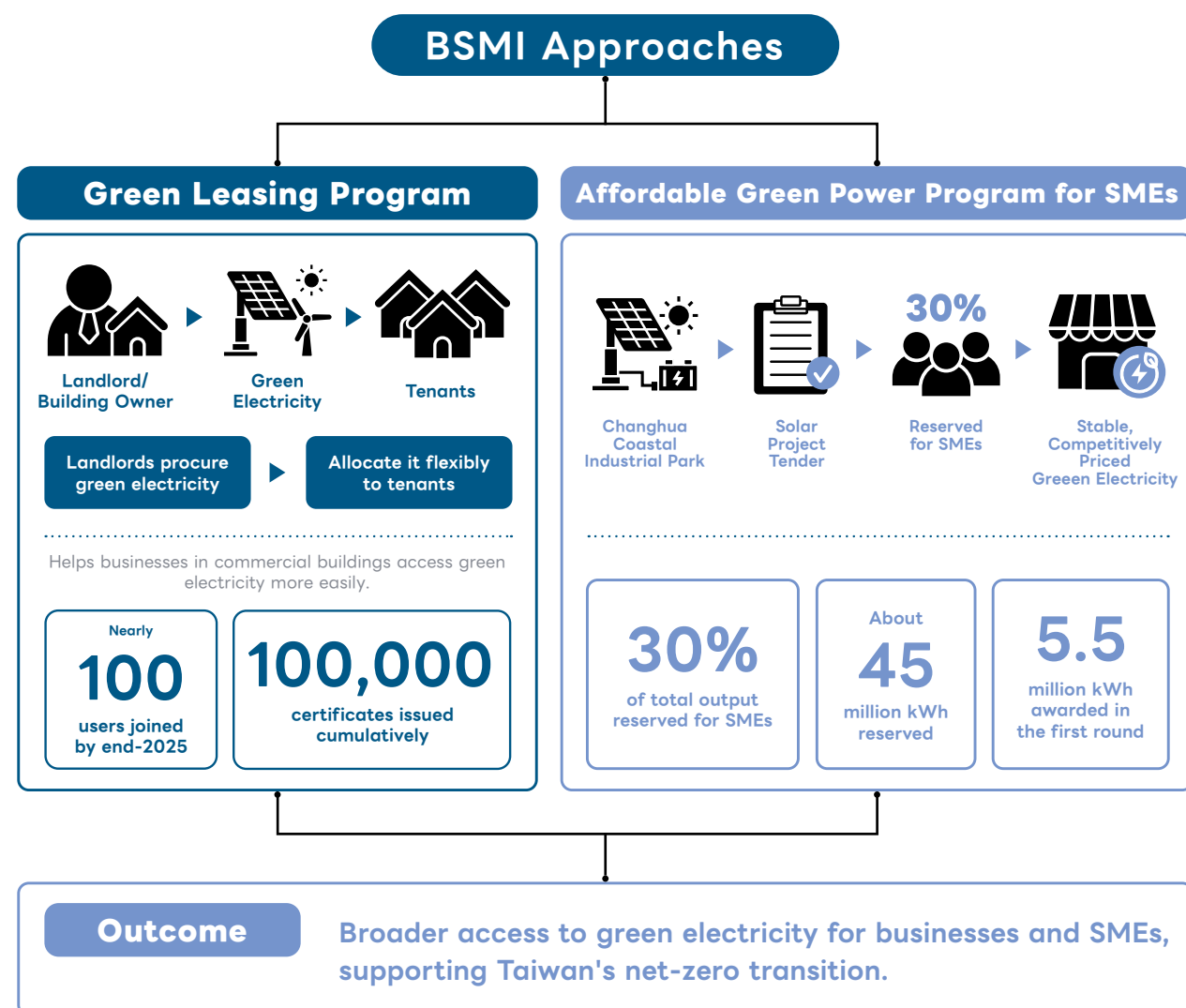
Strengthening Green Energy Testing and Certification Capabilities to Support Taiwan's Net-Zero Transition

In 2025, the BSMI continued to strengthen the testing, certification, and market mechanisms needed to support Taiwan's net-zero transition, with a focus on renewable electricity use, offshore wind certification, and next generation photovoltaic technologies.

(1) Expanding access to green electricity for businesses and SMEs

In 2025, the BSMI continued to advance Taiwan's Renewable Energy Certificate (T-REC) system as a key mechanism for promoting green electricity use. By the end of the year, a cumulative total of 5,852 sites had been verified. Annual trading volume exceeded 3.8 billion kWh, an increase of 28% over the previous year, while cumulative wheeling transactions surpassed 10.4 billion kWh. These developments further strengthened T-REC as an important tool for enterprises seeking to demonstrate renewable electricity use and support their decarbonization efforts.

To broaden access to green electricity, the BSMI promoted the “Green Leasing Program,” under which landlords procure green electricity and allocate it flexibly to tenants. Nearly 100 users had joined the program by the end of 2025, with a cumulative total of 100,000 certificates issued. The BSMI also launched the “Affordable Green Power Program” for SMEs to help smaller businesses secure stable and competitively priced green electricity. Under a solar project tender in the Changhua Coastal Industrial Park, developers are required to reserve 30% of total output, or about 45 million kWh, for SME users, of which 5.5 million kWh was awarded in the first round.



Broadening Access to Green Electricity ▲
Two BSMI approaches to help businesses, including SMEs, obtain green electricity.

(2) Strengthening third-party testing and certification for offshore wind farms

To support the safe development of offshore wind power, the BSMI continued to strengthen Taiwan's third-party testing and certification framework. Taking account of local conditions, such as typhoons and earthquakes, it established a project certification review mechanism and developed technical guidelines covering site investigation, design, construction, and operation and maintenance.

In 2025, the BSMI revised relevant requirements in line with international standards and completed certification reviews for 78 wind turbines across two wind farms, representing a total installed capacity of 671 MW. It also established domestic testing capabilities for 22 key components, covering areas such as mechanical properties, seismic resistance, and corrosion resistance, and provided three testing services during the year. At the same time, domestic professional teams continued to expand, strengthening local capacity for survey, certification and manufacturing surveillance.

(3) Advancing verification and testing next-generation photovoltaic modules

The BSMI also continued to strengthen testing and certification capabilities in the solar photovoltaic (PV) sector. Through the Voluntary Product Certification (VPC) scheme and the PV Taiwan+ technical specifications for high-efficiency PV modules, it has supported the upgrading of domestic PV technology and encouraged higher-performance products.

As the global market shifts towards larger module formats, Taiwan's manufacturers have increasingly developed high-efficiency modules using M10 (188 × 188 mm) solar cells. By the end of 2025, the BSMI had issued a total of 305 VPC certificates for PV modules, including 82 certificates for M10 modules, indicating that large-format technology is becoming increasingly mainstream in Taiwan's PV supply chain.

To support this transition, the BSMI established Dynamic Mechanical Load (DML) testing capability in 2025. This capability helps verify the structural integrity and reliability of large-format modules under simulated installation stresses, providing stronger certification support and reinforcing the competitiveness and resilience of Taiwan's PV industry.

Taken together, these five themes show how the BSMI is strengthening Taiwan's quality infrastructure in a coordinated manner. In 2025, its work extended from consumer protection and standards development to metrology, advanced testing and certification, and green energy market support. For international partners, this demonstrates that Taiwan is continuing to build a more trusted, capable, and internationally connected system for industrial development, fair trade, and sustainable transition.

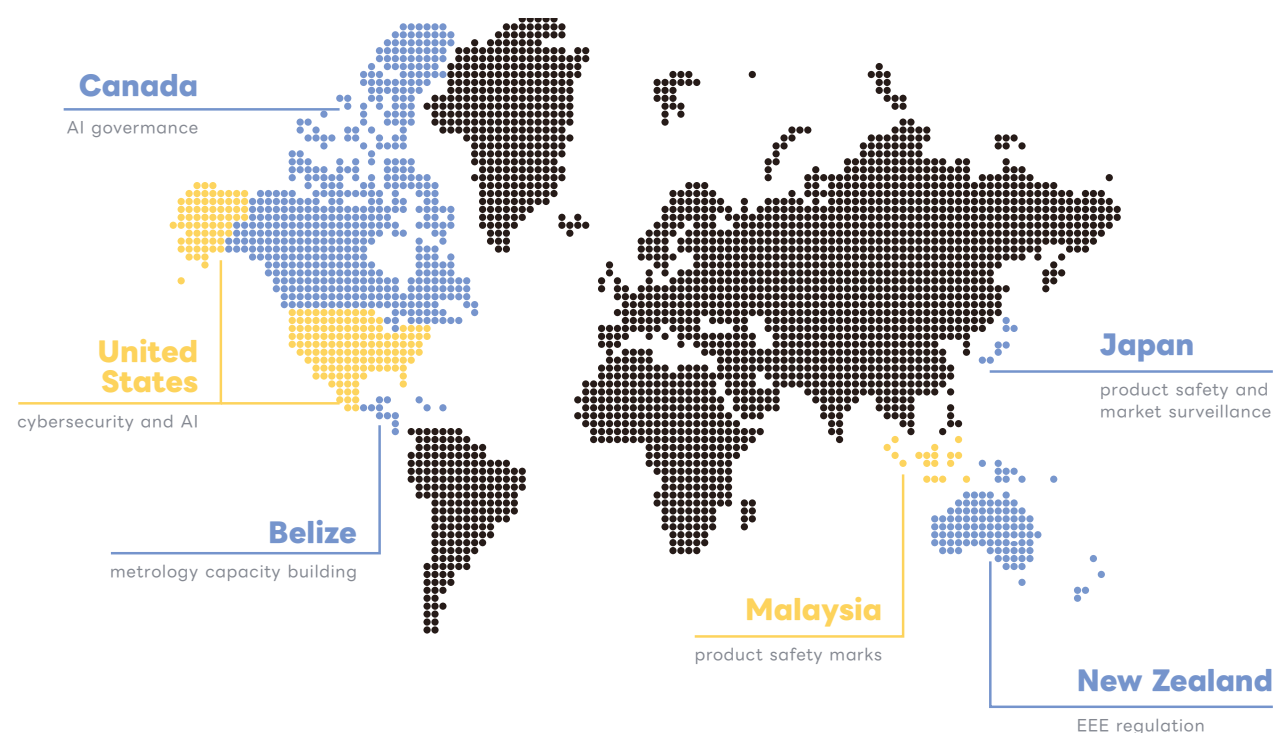
INTERNATIONAL
COOPERATION

4

CHAPTER

International cooperation is an important part of BSMI's mission as the regulatory authority for standards, metrology, inspection, and product safety. Through engagement with overseas regulators, standards bodies, and technical institutions, BSMI strengthens domestic regulatory capacity, supports industry in understanding overseas requirements, and enhances Taiwan's visibility and credibility in the international quality infrastructure.

In 2025, BSMI's bilateral and technical exchanges focused on three closely connected objectives: supporting the governance of emerging technologies, strengthening product safety and regulatory alignment, and building practical channels for technical assistance and future cooperation. These efforts show that BSMI is not only an active participant in international dialogue, but also a capable and trusted partner able to contribute experience in conformity assessment, product safety regulation, metrology, and regulatory implementation.

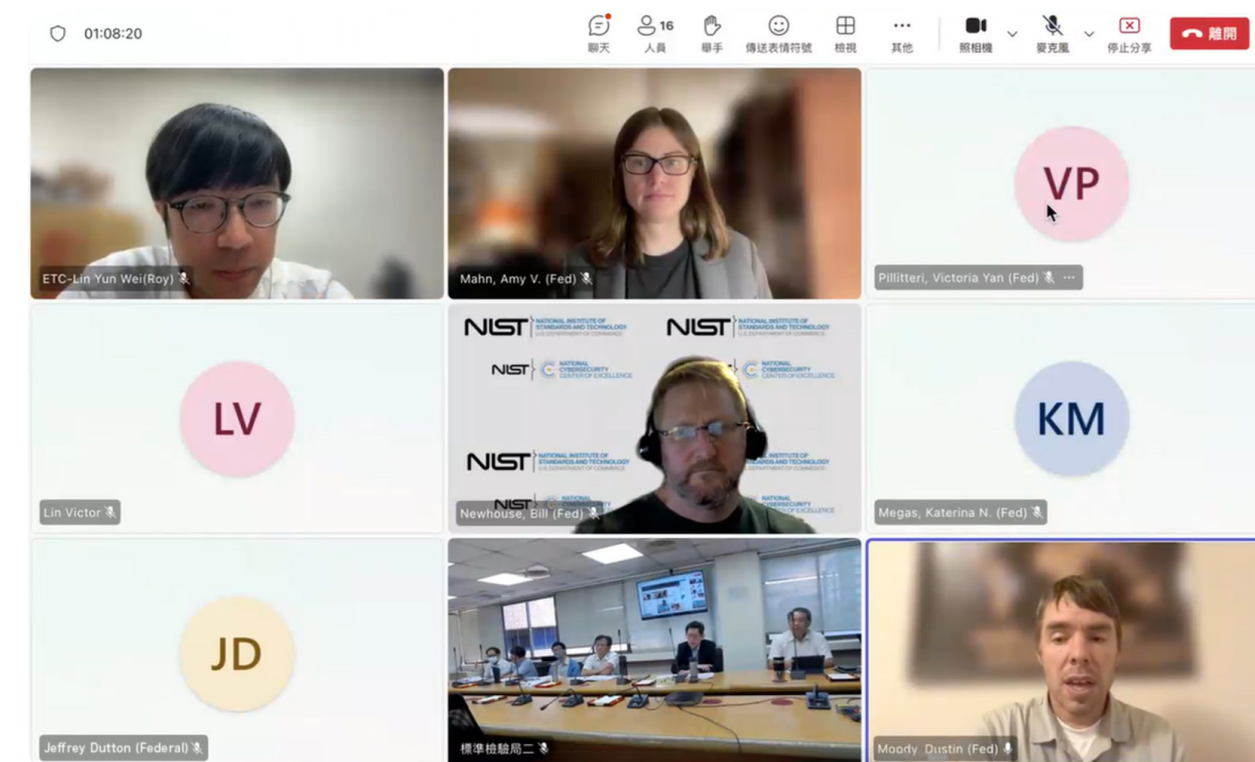


2025 Global Strategic Partnerships : Advancing Standards & Safety ▲

Supporting emerging technologies and digital trust

As artificial intelligence becomes more widely adopted across industries and public services, BSMI continued to expand dialogue with international partners on artificial intelligence and cybersecurity. This was reflected in BSMI's February 2025 virtual exchange with the Standards Council of Canada (SCC), in which both sides discussed AI certification, governance practices, and related institutional developments. The meeting allowed BSMI to introduce Taiwan's experience in AI evaluation using large language models and to exchange views with Canadian counterparts on the development of AI management and governance mechanisms. The BSMI-SCC exchange demonstrated BSMI's readiness to engage on one of the most important regulatory and standardization topics now facing quality infrastructure authorities worldwide.

BSMI's technical exchange with the U.S. National Institute of Standards and Technology (NIST) in August 2025 further highlighted this direction. Building on annual cybersecurity exchanges that have been continued since 2020, the 2025 session focused on AI and cryptography, including Taiwan's work on an AI large language model cybersecurity testing platform and post-quantum cryptography. The discussion also touched on NIST's forthcoming Cyber AI Profile and the U.S. Cyber Trust Mark Program, both of which point to the increasing convergence of AI, cybersecurity, and product assurance. These exchanges helped BSMI remain engaged in international discussions on digital trust and laid the groundwork for further technical dialogue in fast-evolving areas of regulation and standardization.



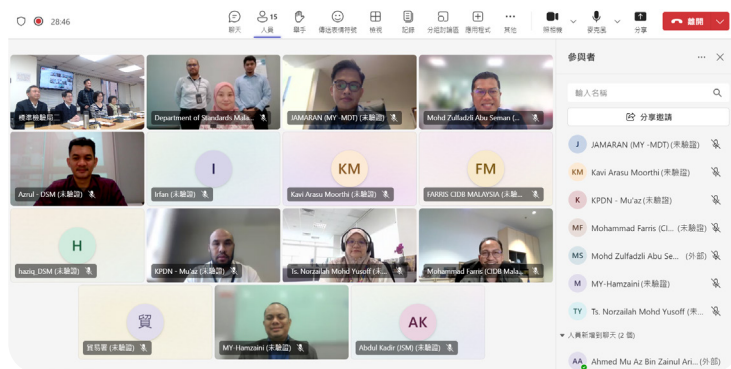
Technical Exchange with NIST on Cybersecurity and Emerging Technologies ▲

Strengthening product safety and regulatory alignment

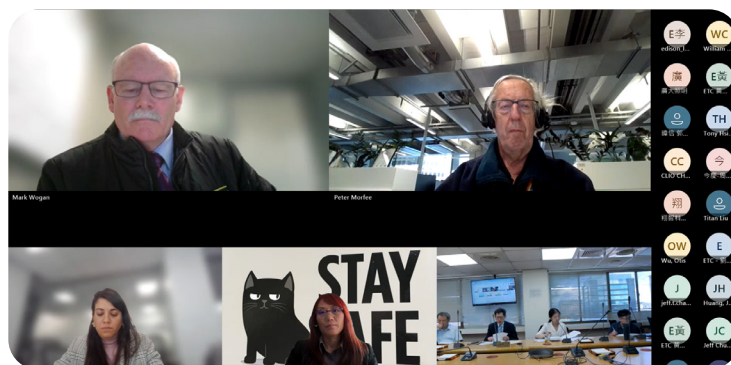
In March, BSMI exchanged views with Malaysia's Department of Standards Malaysia on product safety marks, conformity assessment procedures, and labeling practices. The discussion covered Malaysia's efforts to bring together product safety mark systems administered by different competent authorities. BSMI, in turn, shared Taiwan's conformity assessment procedures and product safety administration experience. This kind of exchange is valuable as it brought together two authorities working on how safety information, conformity marking and regulatory administrative can be made clearer and more effective.

In August, BSMI co-hosted a webinar with New Zealand counterparts on electrical and electronic product regulation, including discussion of residual current circuit breakers and New Zealand's compliance regime for exporters. The webinar followed up on the 5th ANZTEC TBT Committee Meeting and was attended by approximately 60 participants. It served not only as a government-to-government exchange, but also as a channel for helping exporters better understand overseas rules and market access conditions.

The September 2025 working-level meeting and technical exchange with Japan's Ministry of Economy, Trade and Industry (METI) and the National Institute of Technology and Evaluation (NITE) likewise demonstrated the value of sustained bilateral mechanisms. The meeting, held in Osaka, covered recent developments in product safety, portable gas appliances, cross-border e-commerce, child safety, and market surveillance. Together, these activities deepened regulatory dialogue with key partners and supported both consumer protection and smoother trade.



BSMI and Department of Standards Malaysia (JSM) Exchange Views on Product Safety Marks



2025 Taiwan-New Zealand EEE Product Regulatory System Webinar

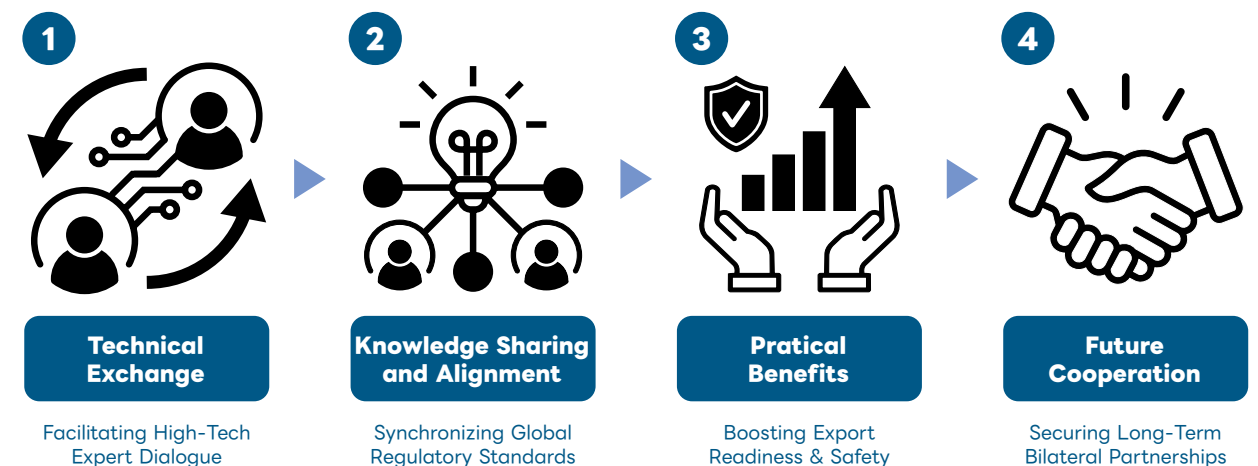
Building institutional capacity and practical cooperation channels

Not all cooperation takes the same form. Some activities are aimed less at regulatory comparison and more at capacity building, institutional support, and long-term relationship building. This was reflected in the second TBT Committee Meeting under the Taiwan-Belize Economic Cooperation Agreement, held in July 2025 between BSMI and the Belize Bureau of Standards. The two sides identified metrology and best-practice sharing as priority areas for further cooperation and agreed to continue exchanges through virtual meetings and online sessions. Although smaller in scale than some of BSMI's other dialogues, this type of cooperation demonstrates Taiwan's willingness to contribute expertise in a practical and constructive manner that supports long-term technical capacity and mutual trust.

Metrology Laboratory Visit as Part of Taiwan-Belize Technical Cooperation



Taken together, BSMI's 2025 international cooperation activities show a portfolio that is both diverse and purposeful. They range from emerging issues such as AI governance and cybersecurity to long-standing areas such as product safety, conformity assessment, metrology, and regulatory transparency. More importantly, they show BSMI as a partner that can both learn from international experience and contribute its own expertise. Looking ahead, BSMI will continue to deepen cooperation with international partners through technical exchanges, policy dialogue, capacity-building initiatives, and exporter-oriented information sharing. Areas of continued interest include AI governance, cybersecurity, product safety, conformity assessment, metrology, and market surveillance.



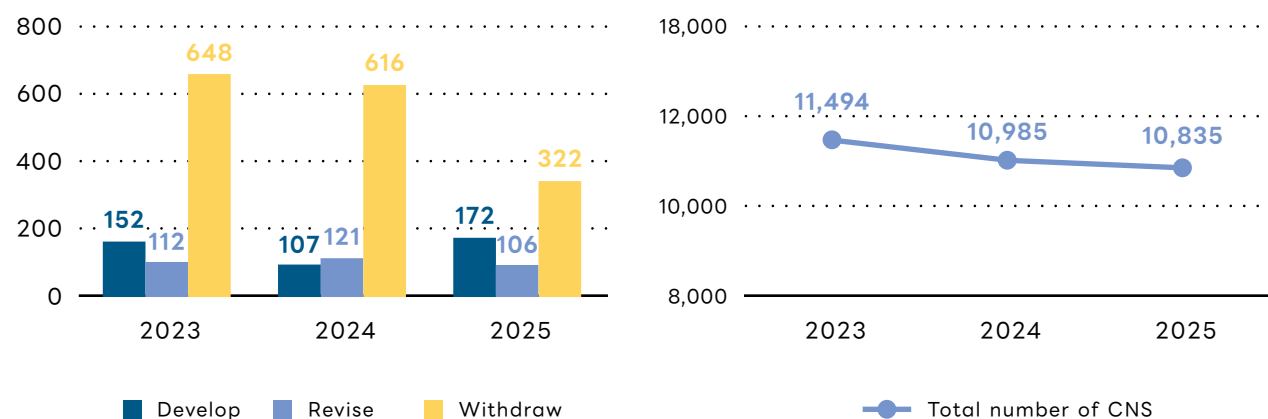
CHAPTER

STATISTICS

5

Standards (CNS)

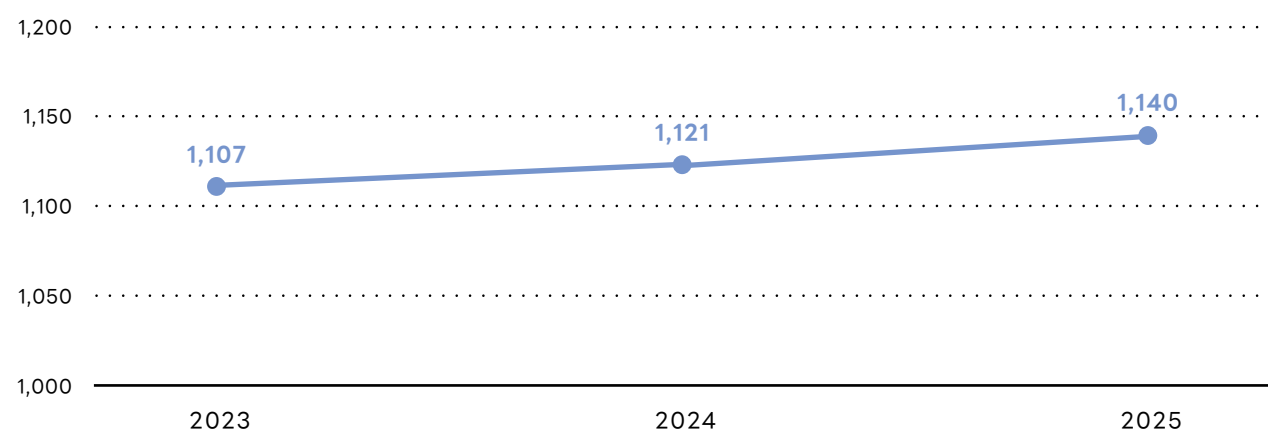
(1) Status of CNS



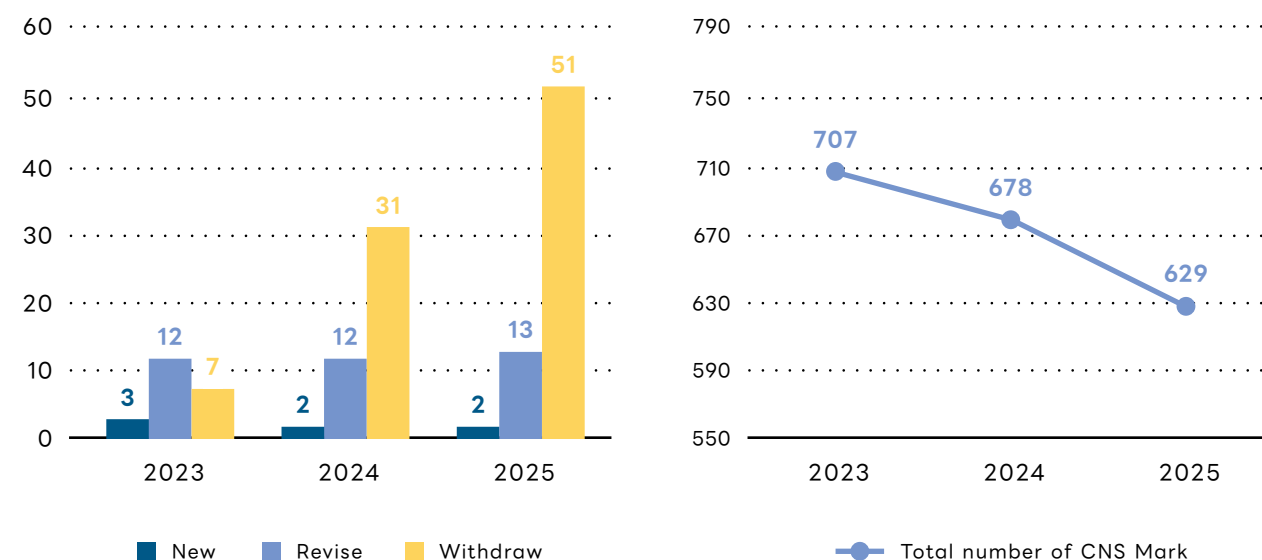
(2) Alignment of CNS with International Standards

Existence of international Standards (A)	Number of domestic Standards aligning with international standards (B)	Rate of alignment (%) (A/B)
4,496	4,468	99.38%

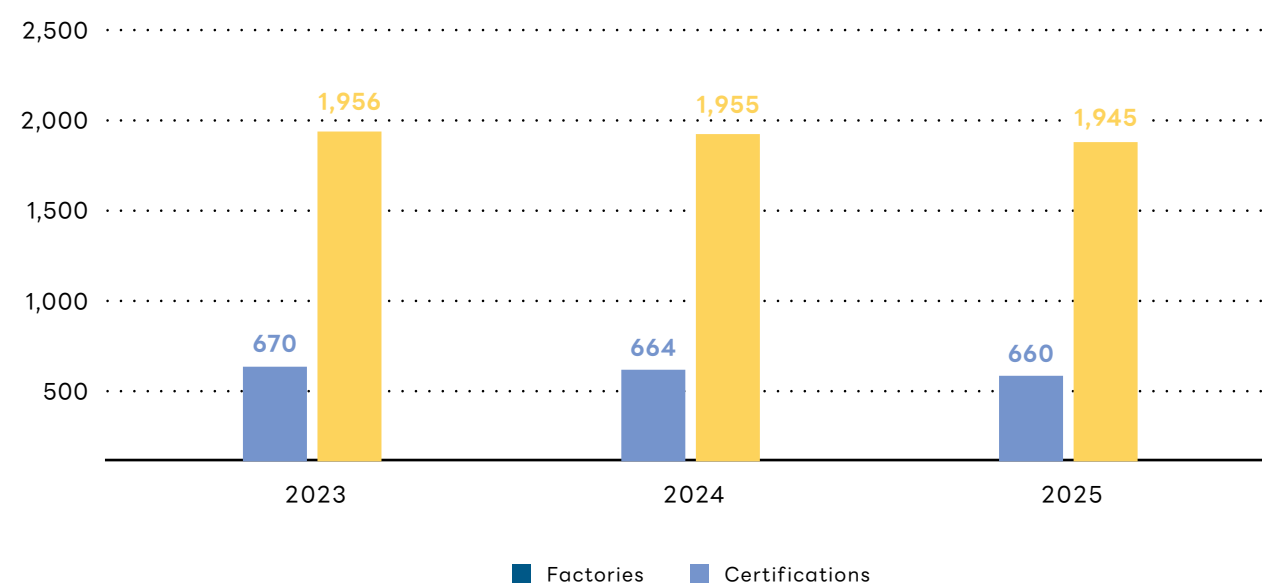
(3) Numbers of CNS Referenced in Mandatory technical regulations



(4) Status of CNS Mark

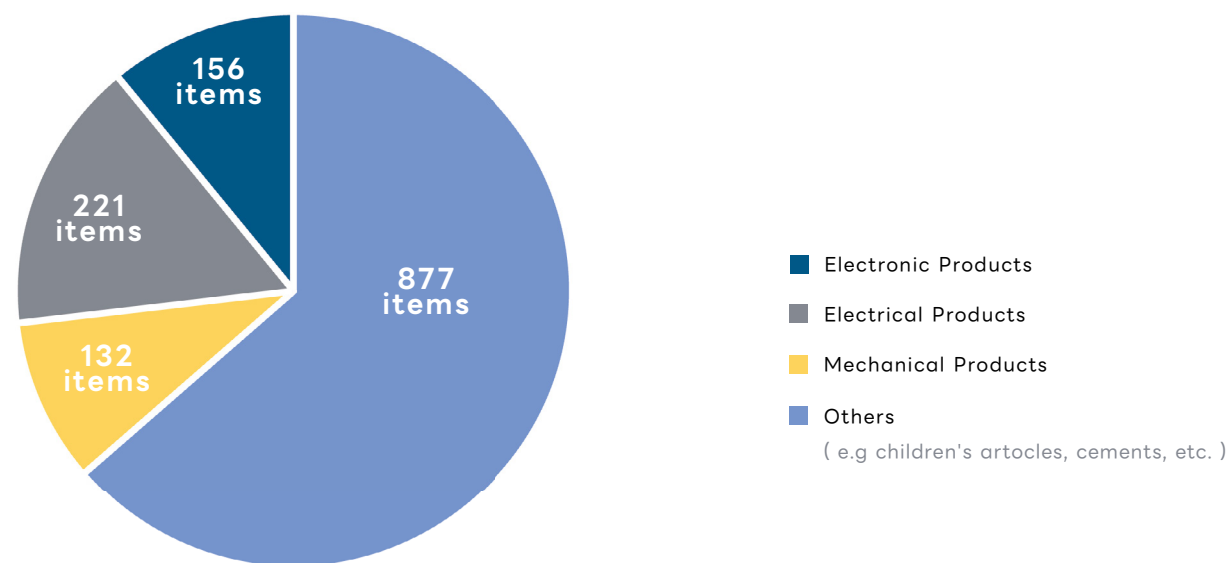


(5) Numbers of CNS Mark Factories & Certifications

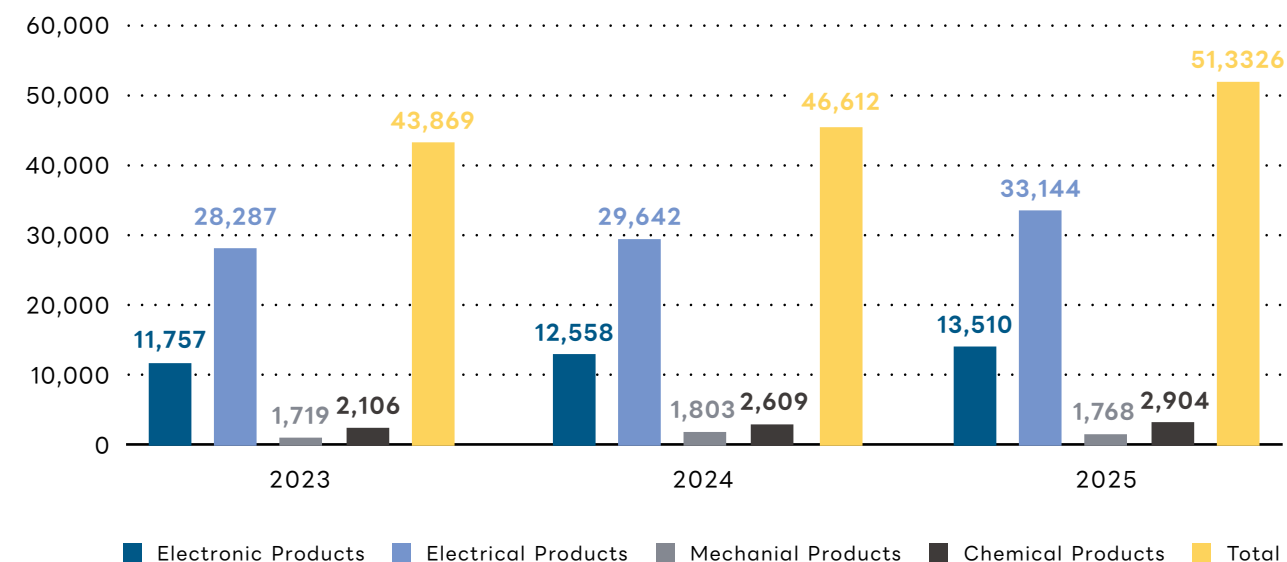


Consumer Product Policy Activities

(1) Regulated products of BSMI

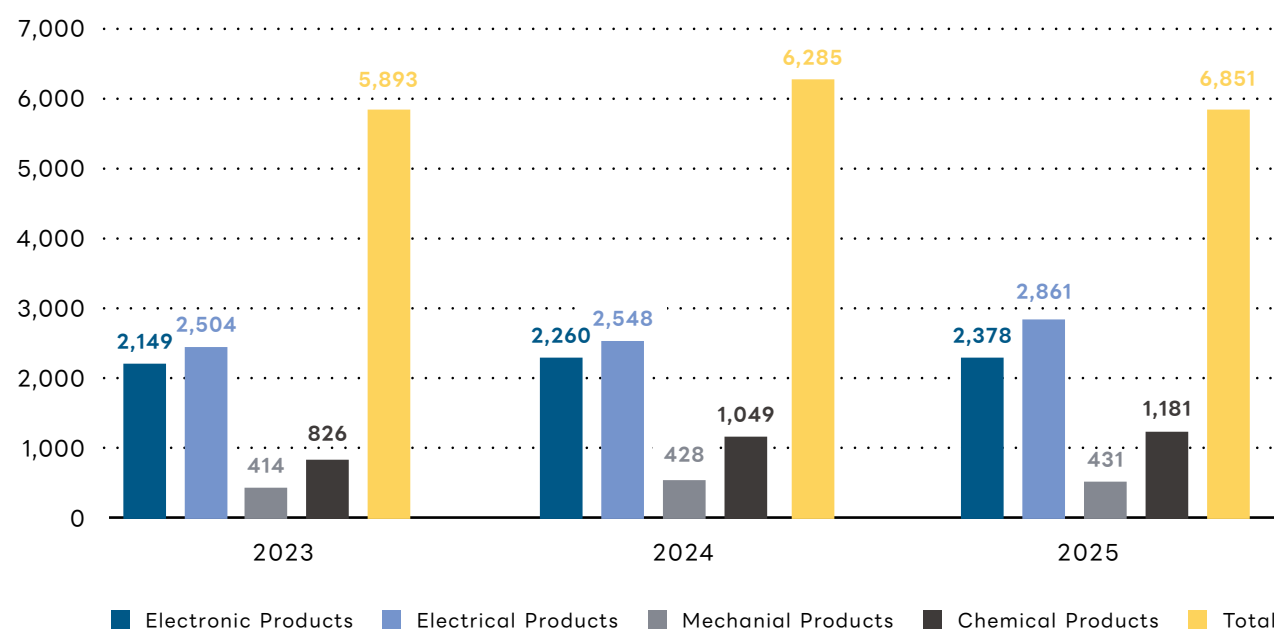


Registered Product Types

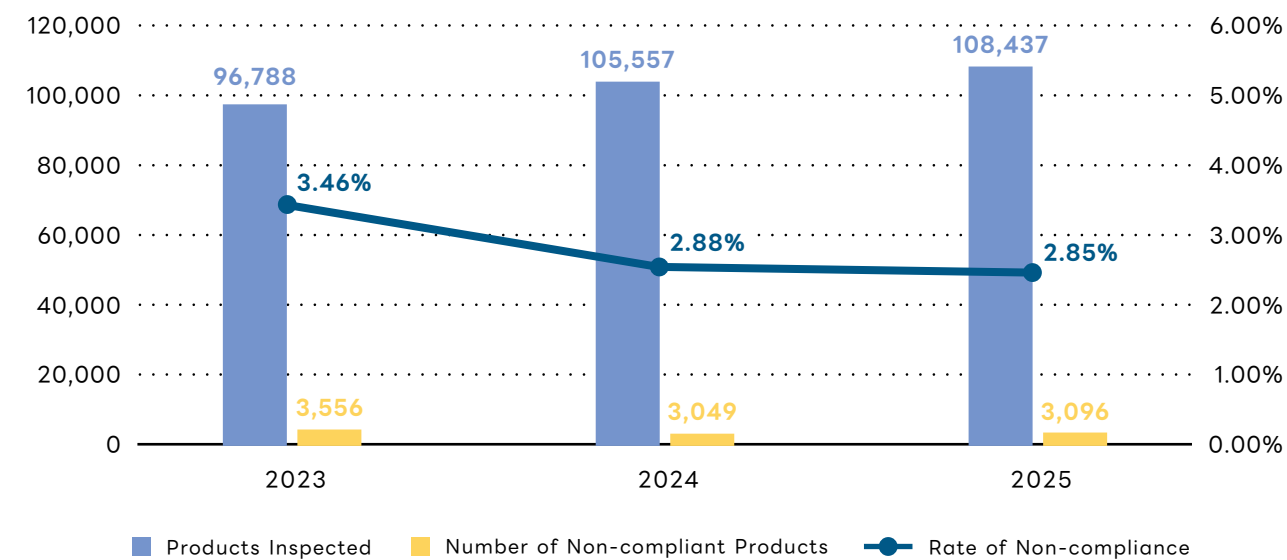


(2) Numbers for the registration of product certification

Registered Factories

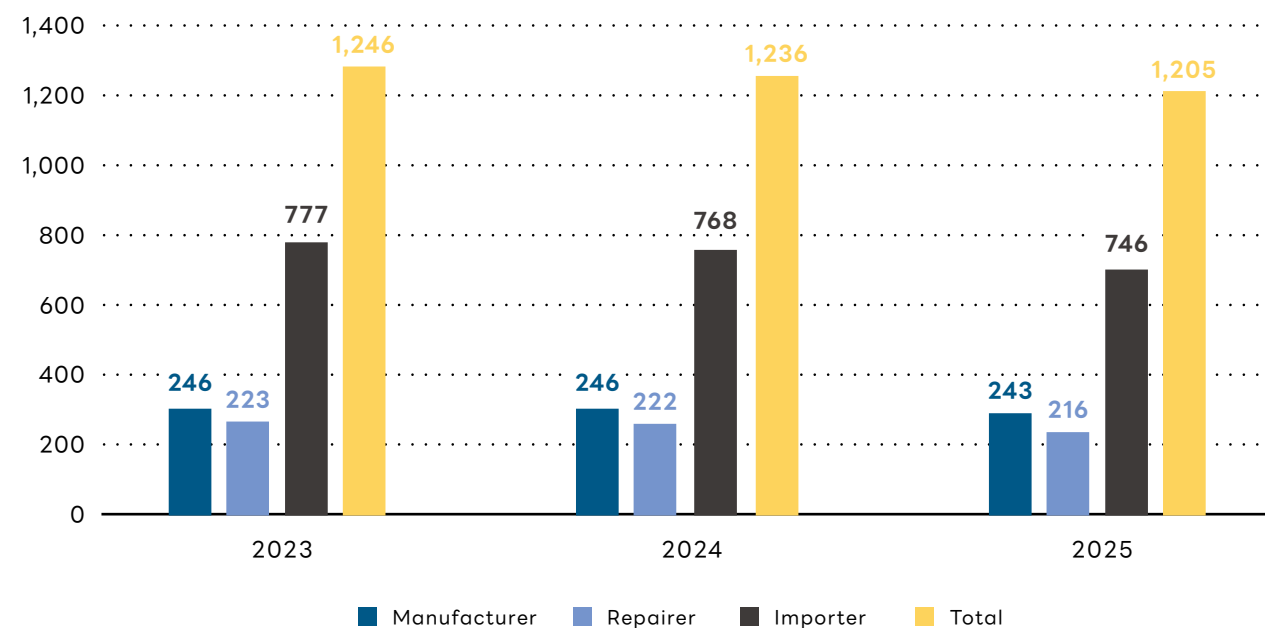


(3) Number of Commodities under market inspection



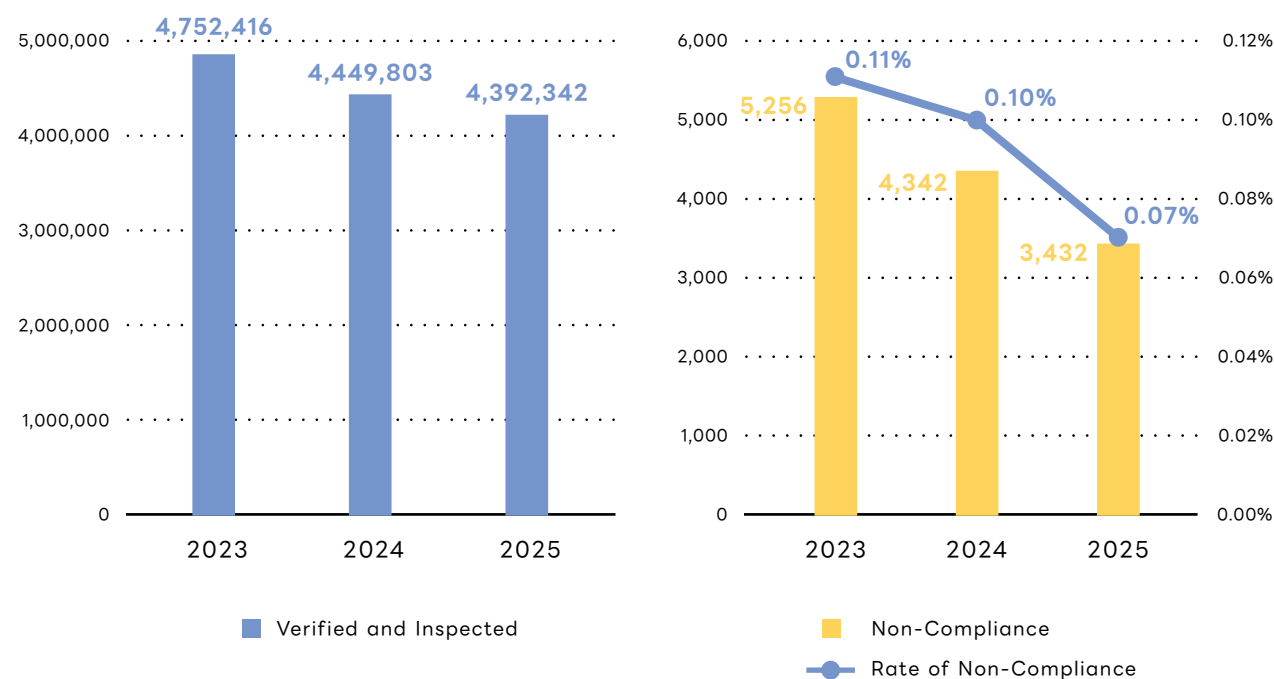
Metrology

(1) Licensing of measuring instrument businesses



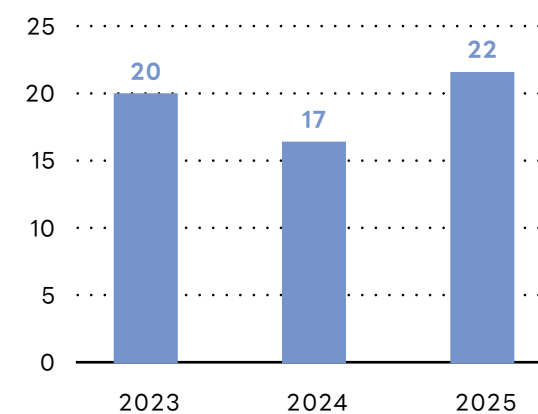
The BSMI requires that a license be obtained for any person to be engaged in activities of manufacturing, repairing or importing measuring instruments.

(2) Verification and inspection of measurement instruments

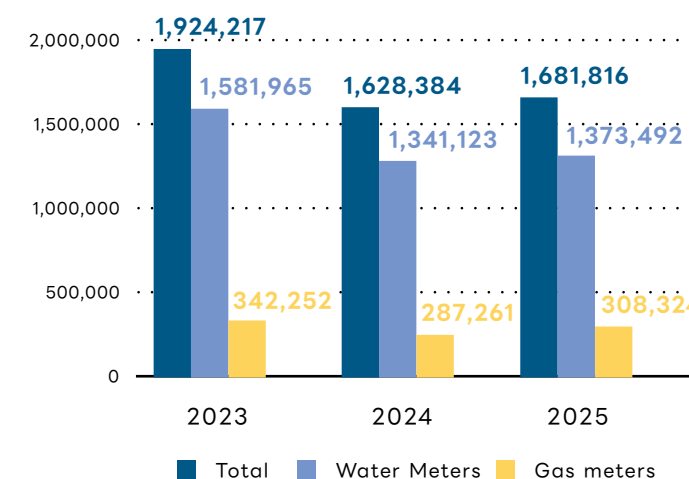


81% of instruments were verified and inspected are water meters and watt hour meters.

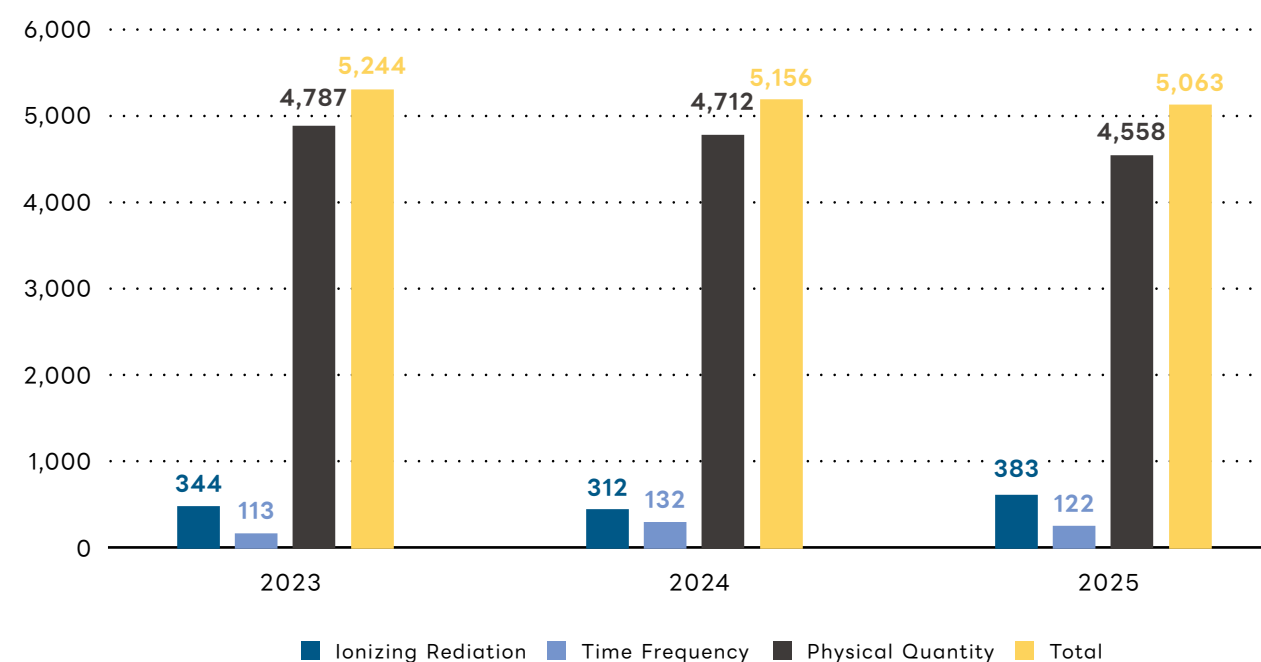
(3) Numbers of type approval of legal measuring instruments



(4) Status of self-verification of legal measuring instruments



(5) Numbers of calibration services provided to primary laboratories by the National Measurement Standards Laboratory (NML)



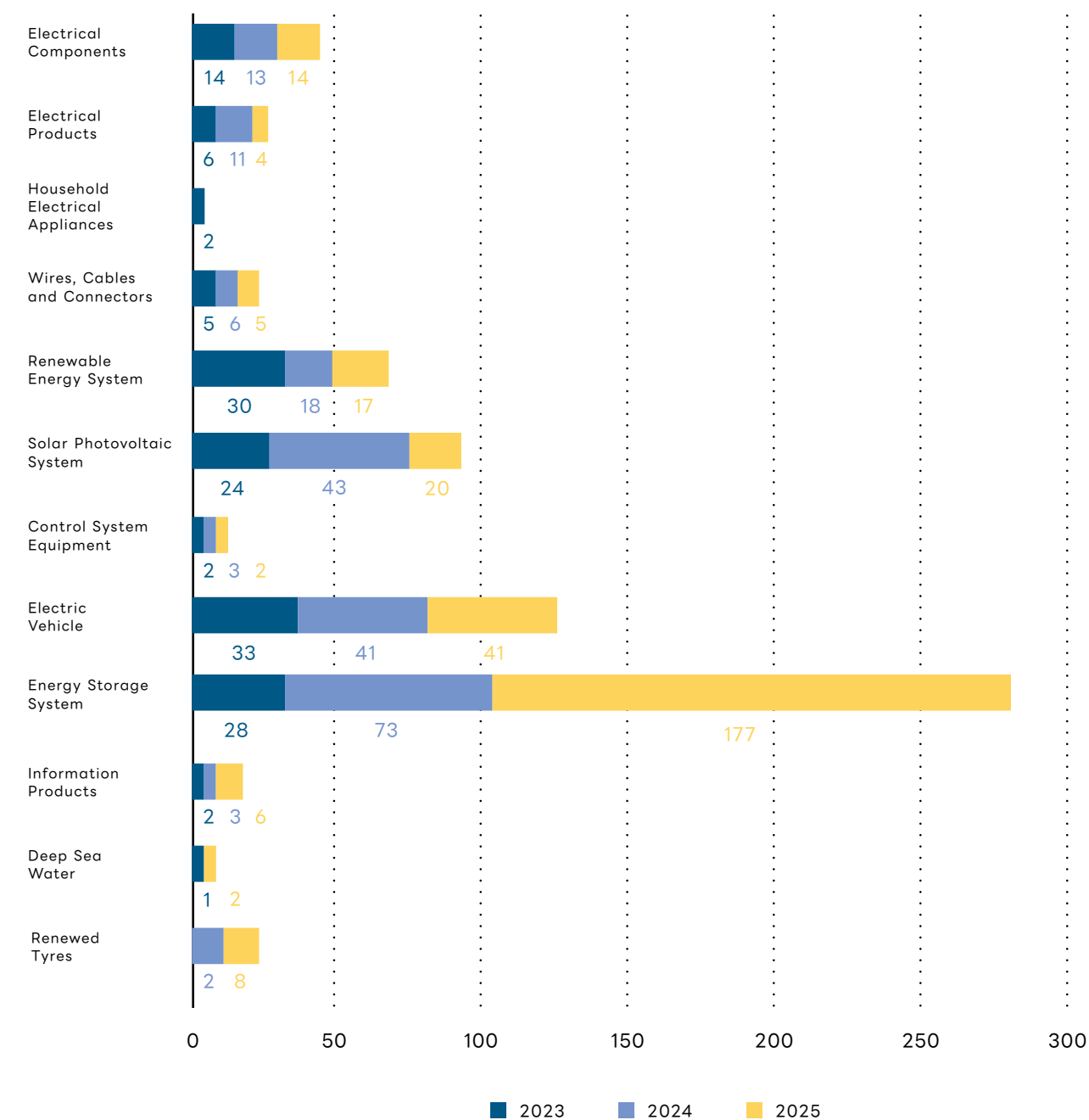
National Radiation Standard Laboratory (NRSL) : ionizing radiation
National Time and Frequency Standard Laboratory (NTFSL) : time frequency
Center for Measurement Standards / Industrial Technology Research Institute (CMS/ITRI): physical quantity

Voluntary certification scheme

(1) Product scope of voluntary product certification

Categories	Items
Electrical Components	20
Electrical Products	1
Household Electrical Appliances	2
Wires, Cables and Connectors	1
Renewable Energy System	1
Solar Photovoltaic System	1
Components Electrical and Electronic Products	1
Sports and Fitness Equipment	3
Gas Equipment	1
Control System Equipment	1
Electric Vehicle	4
Vehicle Components	1
Energy Storage System	4
Information Products	8
Power Supply Equipment	1
Deep Sea Water	1
Renewed Tyres	1

(2) Number of voluntary product certificates



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