



Cambodia

PTB project “Metrology for Digital Transformation – International Cooperation” CABUREK Global Program

Working Group:

WG1-Digital Transformation Strategy (DTS)

National project title:

Integrating Digital Transformation on the Metrology Strategy Development Plan in Cambodia (MSDP)

National Metrology Institute:

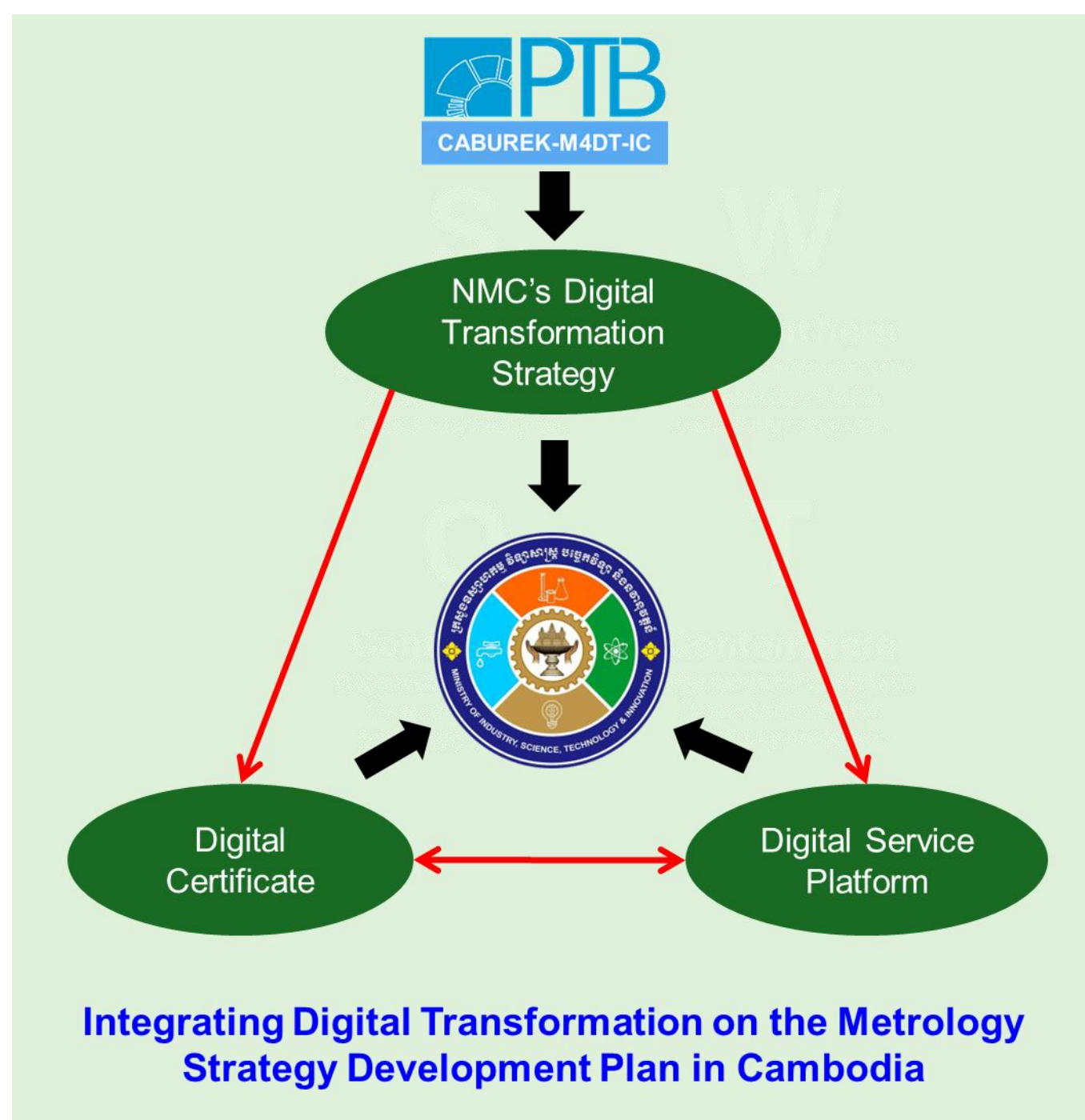
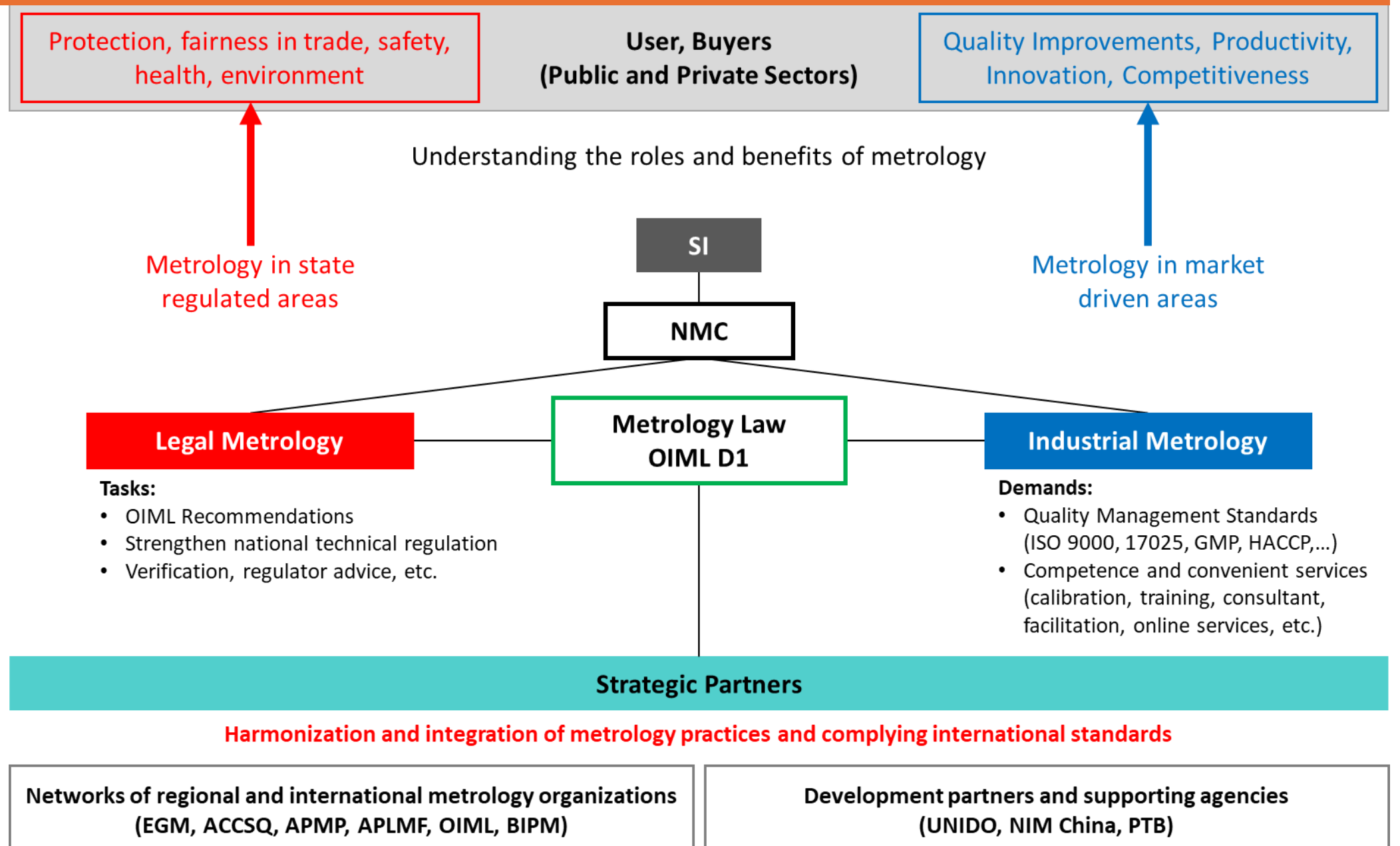
National Metrology Center (NMC)

Coach: NIMT, INTI, CENAMEP AIP, PTB

The Metrology Strategy Development Plan 2025-2030, Integrating Digital Transformation

Key message

- As a least developing NMI and a small economy in the ASEAN region, the development of the national metrology to be responsible for maintaining the traceability measurement system and international recognized in supporting the government development policy is a vital for smart management and investment to be more efficient, effective, and productive through metrology digital transformation application.
- Metrology Strategy Development Plan in Cambodia 2025-2030 by integrating digital transformation, with vision is to develop metrology to be competence and excellence in measurement to promote production quality, innovation digital metrology, ensure fair and competitive trade that contributes to national economic growth, including a mission to provide all metrological services to trade, industrial, and other relevant sectors in accordance to the internationally recognized standards, in order to ensure accuracy of measurements, aiming at promoting health, safety and environment.



Strategy 6: Developing metrology digital transformation in management process and service provision

Under the design Strategy 6, the National Metrology Center, the operation will focus on developing personnel and management process with digital literacy skills, along with developing metrology services that respond to digital technology, while NMC intension in preparation for future developing a **digital calibration certificate (DCC) system**, **digital certificate of conformity (D-CoC) for legal metrology**, and **developing the digital management process system for remote calibration and verification**, **developing a metrology service platform portal for online customer**, and **developing the institute's database system into Cloud datacenter to support new technologies and innovations for the upcoming of metrology for digitalization system**. In addition, NMC also intense to focuses on **developing the pilot automation systems to support in the production quality control of SMEs**, **calibration and legal metrology control process**.

Vision	Develop metrology to be competence and excellence in measurement to promote production quality, innovation digital metrology, ensure fair and competitive trade that contributes to national economic growth.			
Goal	NMC operating as an excellence center of measurement with international recognized competence.			
Missions	Develop and maintain the national traceability system, measurement standards, references material for the needs in industry, SMEs, trade, agro-processing, tax collection, and services, including provide a reliable measurement system in supporting economy sector and society.	Develop the capabilities in analytical, testing, verification, and calibration to be reliable, high competence, and internationally recognized.	Promote and strengthen metrology systems in supporting the national quality infrastructure.	Integrate and innovate metrology digital transformation for supporting in management process and service provision.
Strategies	(1). Strengthening measurement capability to meet the needs of industry and strategy sectors in contributing the economy growth	(2). Improving competency, capabilities of excellence in measurement and international recognition	(3). Enforcing the compliance metrology regulations and legal metrology control	
	(4). Harmonizing and integrating metrology practices in supporting the national quality infrastructure	(5). Enhancing awareness of stakeholders on Metrology/Quality and support functions	(6). Developing metrology digital transformation in management process and service provision	

