

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

Working Group: 1 (Digital Transformation Strategy)

National project title: DIGITALIZATION OF METROLOGY SERVICES

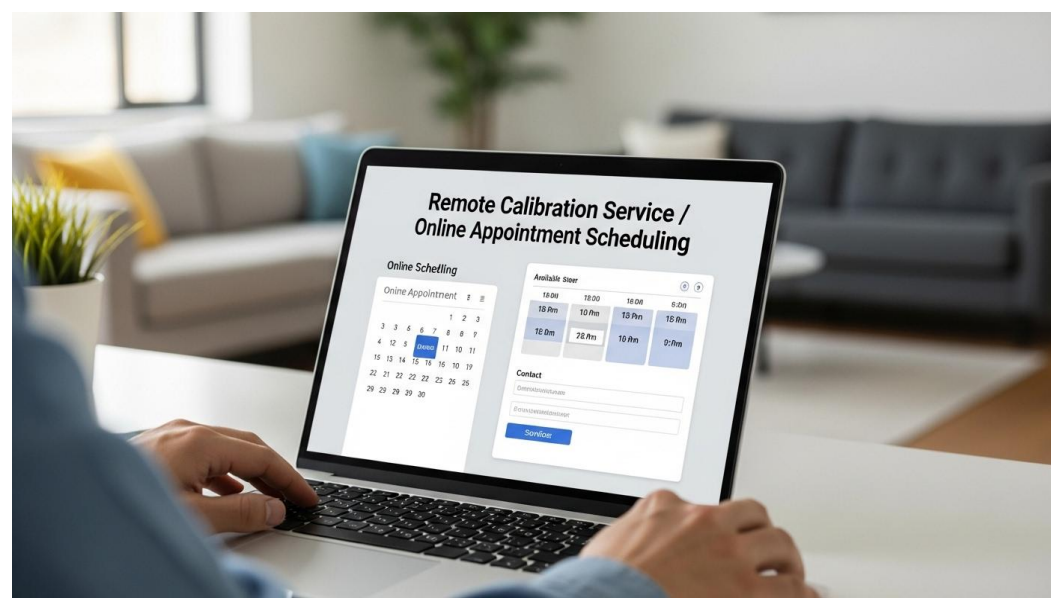
National Metrology Institute: National Agency for Standardization, Metrology and Quality Control (ANM)

Coach: Physikalisch-Technische Bundesanstalt (PTB)

Benefits of Digital Transformation for national agency for standardization, metrology and quality control (ANM)



Connected Laboratories (LIMS) : Automation of data collection, sample management, results processing, and reporting, improving accuracy and reducing turnaround times.



Remote Calibration Service / Online Appointment Scheduling : Facilitates access to services for businesses.

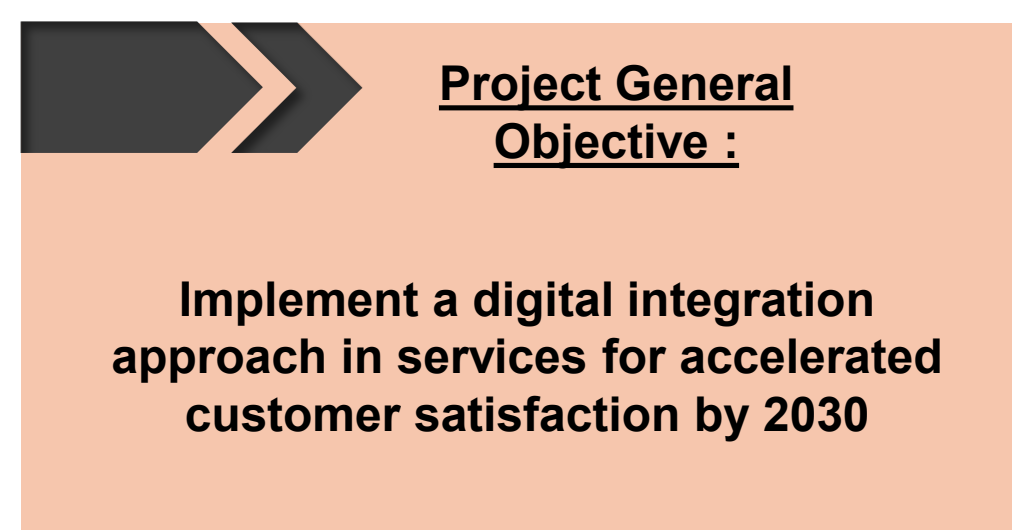


Big Data Measurement Analysis : Use of analytical tools to identify trends, deviations, or optimize measurement uncertainties



Standard and Calibration Management : Implementation of digital databases to track standards, calibration certificates, and history, making traceability more efficient and less prone to error

Description of the national project and its achievements for national agency for standardization, metrology and quality control (ANM)



1

Specific objective SO 1

Digitalize priority services for customers in accordance with strategic perspectives

75% of staff are aware of the new digital model (December 2025)

Orders for two metrology services are digitalized

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2

Specific objective SO 2

Digitize mass calibration with obtaining an electronic certificate

Mass calibration is done robotically

The electronic certificate is set up

Activity 1.1.1.1 : A database of actors is created
Activity 1.1.1.2 : Staff awareness actions to prepare them for the new technological model to be implemented with a view to their membership
Activity 1.1.1.3 : The stakeholders are aware
Activity 1.1.2.1 : Production and broadcast of a television spot to inform users about the new online service request procedure

Activity 1.2.1.1 : The stakeholders are aware
Activity 1.2.1.2 : Production and broadcast of a television spot to inform users about the new online service request procedure

Activity 2.1.1.1 : A study mission is carried out in one advanced countries in this area
Activity 2.1.1.2 : Acquire mass comparators
Activity 2.1.1.3 : Train technical staff in mass calibration using automatic comparators
Activity 2.1.1.4 : Digitize the assessment laboratory management system

Activity 2.2.1.1 : Training of technical staff in the automatic edition of electronic certificates
Activity 2.2.1.2 : Production and broadcast of a television spot informing the public on the procedures for accessing the electronic certificate