



Ukrainian-German technical cooperation project „Promotion of a Supportive Framework for Trade in Ukraine “
3-rd International Forum on Technical Regulation
**“The Role of Standards and Technical Regulations for Insuring Sustainable Development of Ukrainian Economy in
Conditions of Globalization”**

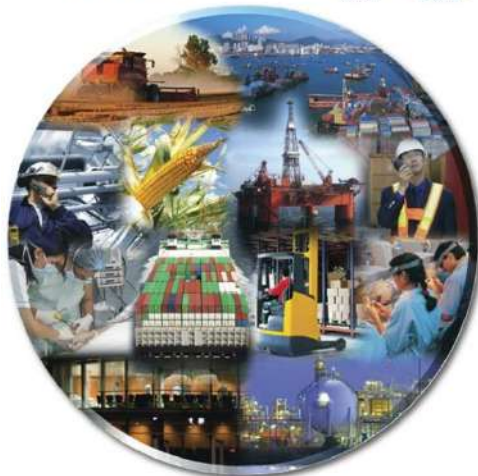
PANEL: “Conformity assessment and accreditation to overcome technical barriers to trade”

“The role of Accreditation for Trade and Industry – Accreditation in Europe and Germany”

Dr.-Ing. Joachim Thiele, Berlin, Germany

9 October 2018 in Kyiv, Ukraine

World Accreditation Day
9 June 2013



Accreditation: Facilitating world trade



Accreditation:
Delivering a safer world



World Accreditation Day

9 June 2018
(#WAD2018)



“The role of Accreditation for Trade and Industry – Accreditation in Europe and Germany” with contents:

- 1. Elements of Quality Infrastructure**
- 2. Role of BAM in Quality Infrastructure**
- 3. Accreditation in Europe and Germany**

Dr.-Ing. Joachim Thiele

Kyiv, 9 October 2018



Why conformity assessment?

Market access to different markets like passport or visa

Single European market (regional market, 28 MS), single countries (e.g. USA, China, Russia etc.)

Marks of conformity

with **voluntary standards** and **mandatory regulations**

based on **conformity assessment** procedures provided by organisations of the national

Quality Infrastructure



Classic electric bulb



Power supply unit Lenove notebook





Areas of conformity assessment

Mandatory area

CE Marking

(20 EC Directives)



CE 0589

Voluntary area

Marks of conformity with schemes, certification marks

ÖKO-TEST KOMPAKT Gütesiegel
RICHTIG GUT LEBEN
www.oekotest.de

Nr. K 1009
5,00 Euro
9.80 SF
D-91708

Über 300 Label im Test

Die Themen

Bio-Siegel: Auf welche Sie sich verlassen können	S.34
Spielzeug-Label: Darauf sollten Eltern achten	S.62
Finanzprodukte: Abzocke mit Gütestempel	S.104
TÜV, GS, DIN: Was die Zeichen nicht halten	S.184
Der Blaue Engel: nicht überzeugend	S.196

Außerdem: Label für Bauprodukte, Fairtrade-Siegel, Naturkosmetik-Label und vieles mehr

НАТУРАЛЬНІ СМАЧНІ ПОЖИВЦІ ЯКІШНІ ПРИРОДНІ СЕРТИФІКОВАНІ

органічні продукти

BEZ GMO

welcome **organic store**

органічні продукти

organic products



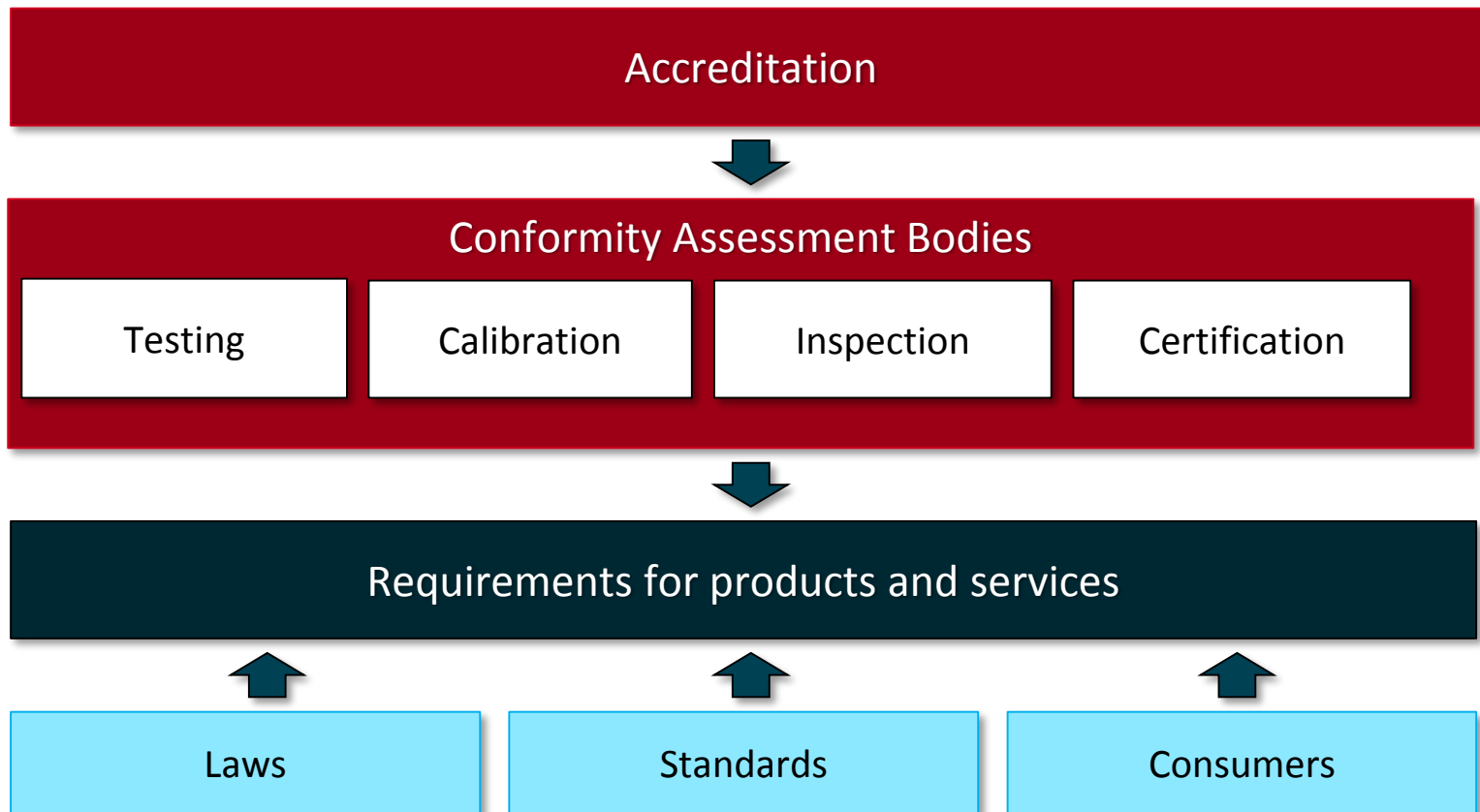
1. Elements of Quality Infrastructure

Activities

- Measurement
- Standardisation
- Testing
- Inspection
- Accreditation
- Certification
- Market surveillance

Institutions

- PTB (SI units), BAM: Metrology in Chemistry; calibration
- DIN; BAM representatives in committees
- BAM, TÜV, SGS, DEKRA, others
- TÜV, SGS, DEKRA, BAM (TPED), others
- DAkkS
- Certification Bodies; BZS
- BNetzA + Länder authorities, customs





2. Role of BAM in Quality Infrastructure

BAM Federal Institute for Materials Research and Testing



Sicherheit in Technik und Chemie

**BUNDESANSTALT FÜR MATERIAL-
FORSCHUNG UND -PRÜFUNG**

www.bam.de



Safety in technology and chemistry



BAM is a senior scientific and technical federal authority with responsibility to the Federal Ministry for Economic Affairs and Energy (BMWi)



Federal Ministry
for Economic Affairs
and Energy



1660 staff including trainees, Ph.D. students, post-docs
€133.4 m basic financing, €10.6 m income testing, analysis, approvals
34 DAkkS accredited units/labs, 17025, 17020, 17065, 17034



Department S „Quality Infrastructure“

S.1 Quality in Testing

(QM, BAM Certification Body,
EPTIS Database for Proficiency Testing Provider)

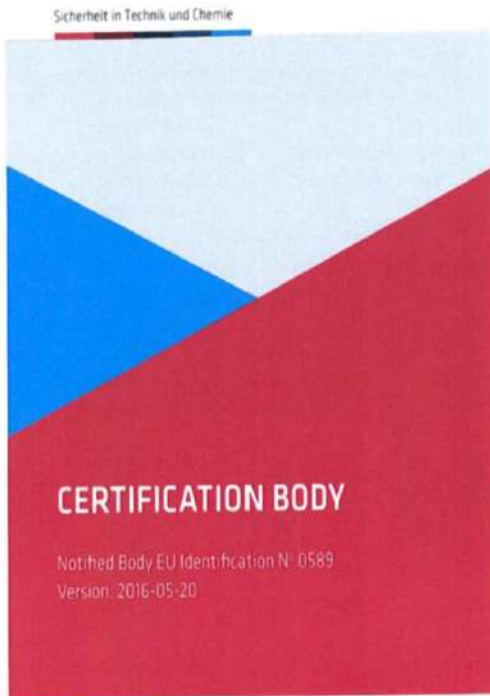
S.2 Accreditation and Conformity Assessment

Secretariat Accreditation Advisory Board
for the German Government (BMWi; DAkkS)

S.3 International Technology Transfer (Twinning Ukraine 2013)

S.4 Ecodesign and energy labelling Product Information Contact Point





Notified Body

CE 0589

TR0589

**EC type testing
QS certification**

Marks of conformity
CE0589

TR0589



- New areas for standardisation, certification and accreditation:
- Cyber security, Internet of things, Industry 4.0, 3 D printing
- Additive manufacturing
- Energy labelling
- National action plan on energy efficiency to support market surveillance



3. Accreditation in Europe and Germany

- **Accreditation (3.1) (ISO/IEC 17011:2018)**
- Third party attestation related to a conformity assessment body conveying formal demonstration of its competence to carry out specific conformity assessment tasks
- **Conformity assessment body (3.4)**
- Body that performs conformity assessment activities and that can be the object of accreditation
- conformity assessment activities include testing, calibration, inspection, certification (management systems, persons, products, processes and services), provision of proficiency testing, production of reference materials, validation and verification

Basis for accreditation and conformity assessment: international standards



Aim of Accreditation

create **confidence in competence** of conformity assessment bodies!

Supporting trade and industry

- Comparability of results of tests, calibrations, certifications and inspections
- Mutual recognition of accreditations in Europe and worldwide
- Simplification of the cross-frontier trade to avoid barriers to trade

Once tested - accepted everywhere!



Multilateral recognition of accreditations



EA MLA





Contract European Commission with European cooperation for accreditation: accreditation is basis for notification of CABs

New European Legislative framework

European Parliament and the Council adopted by 9th July 2008

Regulation No 765/2008/EC

setting out the requirements for accreditation and market surveillance, conformity of products and CE marking

Decision No 768/2008/EC

on a common framework for the marketing of products

Regulation No 764/2008/EC

laying down procedures relating to the application of certain national technical rules to products lawfully marketed in another Member State



DAkkS: Deutsche Akkreditierungsstelle GmbH

www.dakks.de



≈ 160 staff
≈ 1.000 external assessors
≈ 4.000 accreditations
32 sector committees

DAkkS Accreditation Conference
11/12 June 2018, Berlin, WAD





Advantages of Accreditation

For companies:

- tool to select competent conformity assessment providers for reliable evaluation of companies' goods and services
- improved access to national and international markets
- improved legal security for protection against risks and liability claims if accredited conformity assessment bodies were chosen

For consumers:

- increased confidence in the quality and safety of products and services

For accredited conformity assessment bodies:

- objective confirmation and evidence of being competent
- market advantage over non-accredited competitors

For authorities and regulators:

- tool to select competent conformity assessment providers which meets relevant national and international standards and regulations



Accreditation

Attesting competence –

Assuring quality –

Creating confidence:

Supporting trade and industry



Many thanks for your attention!

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