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EUROPEAN

Czech Accreditation Institute (CAI)

- National Accreditation Body of the Czech Republic in accordance to Regulation No 765/2008 of the European Parliament and of the Council
- Full member of European co-operation for Accreditation (EA), ILAC and IAF
- Signatory of EA Multilateral Agreement (MLA) for:

Calibration, **Testing**, Medical analyses, Certification of products, Certification of management systems certification, Certification of persons, GHG, Inspection bodies and Proficiency testing providers



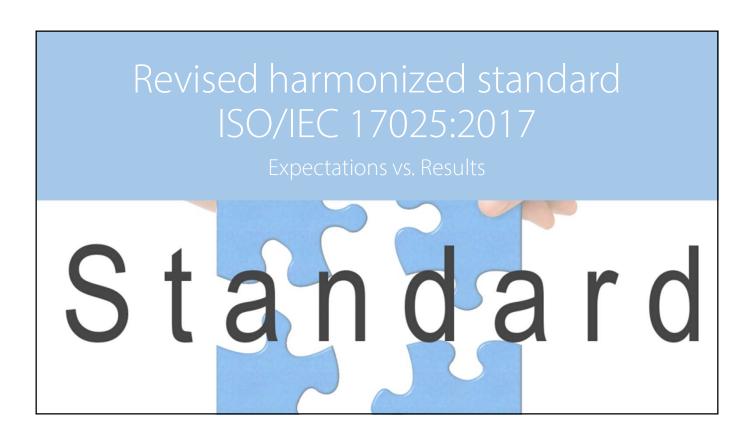
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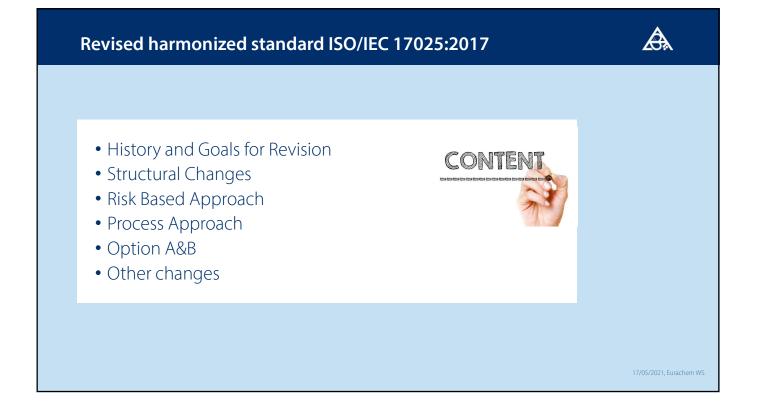
Cooperatio

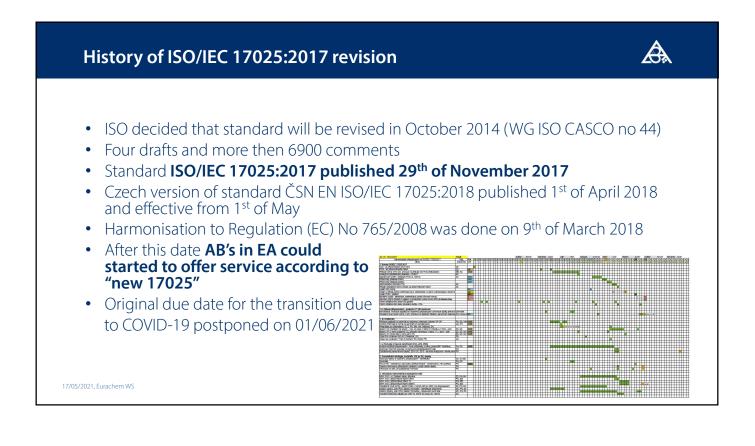
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International Co-operation

- CAI as an EA member is a part of EA Laboratory Committee (LC)
- The EA LC is the floor where is possible to share knowlage and discuss any harmonization problems
- Other tasks of the EA LC:
 - Cooperation with stakeholders (Eurachem, Eurolab, ENFSI, EGOLF, ...), sharing information with them
 - Contribution to EA documents
- CAI as a part of EA appreciate Eurachem effort especially at the field of Proficiency Testing







Goals for Revision of ISO/IEC 17025:2017

- New structure harmonization with other 17000 standards and framework standards (ISO 9001), options A & B
- Generalization of requirements simplification of the text of the standard through implementation of Risk Based Approach
- Introduction of process approach in laboratories
- Modernization requirements on IT (data integrity, validation and verification of SWs, control of documentation by electronic means...) included
- Basic rules on Reporting statements of conformity



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New Structure of ISO/IEC 17025:2017



Old structure with two main <u>chapters:</u>

4 for management system requirements5 for technical



The new one is very similar to ISO 9001

chapters:

- 4. General requirements
- 5. Structural requiremnts
- 6. Resource requirements
- 7. Process requirements
- 8. Management system requirements

<u>Results:</u>

requirement

• Positive – much more clear for users of other 17000 standards and no problems for all the others

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Risk Based Approach in ISO/IEC 17025:2017

Introduction of ISO/IEC 17025:

This document requires the laboratory **to plan and implement actions to <u>address</u> risks and opportunities**. Addressing both risks and opportunities establishes a basis for **increasing the effectiveness** of the management system, achieving improved results and preventing negative effects. **The laboratory is responsible for deciding which risks and opportunities need to be addressed**.



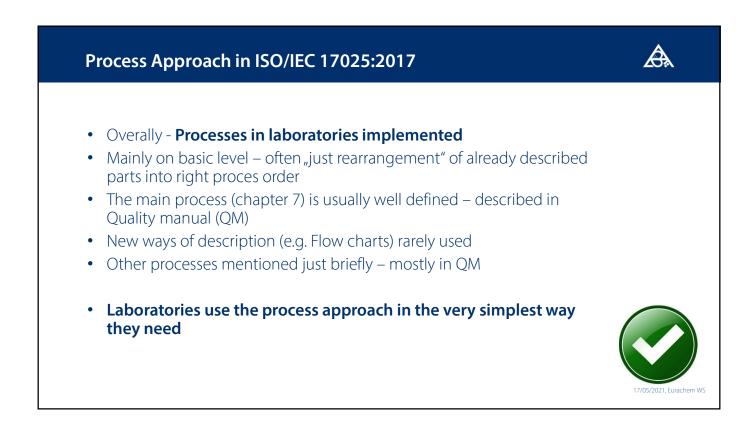


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Â Process Approach in ISO/IEC 17025:2017 7.4 Handling of test or calibration items Previous revision ", criterial" – specific Preparation of item Calibration/ test execution Release of item Sampling B Item requirements not 7.3 linked to testing process 7.5 7.10 Technical records Actually clearly Management Resource Nonconforming work Control of data / directed according to information management 7.11 main laboratory process "Testing" Request Review of requests, tenders and contracts Evaluation of measurement uncertainty Report of Selection Ensuring the validity of results Reporting of results Appendix B shows results Validation basic process model of metho 7.1 7.7 7.6 7.8 of laboratory 7.2 7.9 Complaints 17/05/2021, Eurachem WS



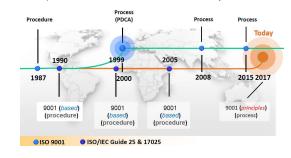
Option A & B in ISO/IEC 17025:2017



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Old standard (2005):

- operate a quality management system, meets the principles of ISO 9001
- Annex A nominal cross-references
- Covers technical competence
 requirements not covered by ISO 9001



New standard (2017):

- Operate generally in accordance with the principles of ISO 9001
- Introduces Option A&B already known from other standards 17000
- Option A direct implementation of whole ISO/IEC 17025
- Option B offers to use a management system already implemented according to ISO 9001
 - All requirements of ISO/IEC 17025
 must be always fulfilled

Option A & B in ISO/IEC 17025:2017
Most of laboratories is running system based on Option A
Expected state as already known from ISO/IEC 17020 and ISO/IEC 17065
Limited use of Option B
8.1.3 Option B
A laboratory that has established and maintains a management system, in accordance with the requirements of ISO 9001,
ISO 9001 is not primarily intended for laboratories – there is no reason to implement it in laboratory.
To use a suitable parts of "company" management system based on ISO 9001 is it possible also simply with Option A – and this is what laboratories use

