



# ISO 17025:2017

## Testing and Calibration of Laboratories Awareness



### Course Information

<b>Course Name</b>	ISO 17025:2017 - Testing and Calibration of Laboratories
<b>Course Designer</b>	World Wide Industrial and Systems Engineers
<b>Course Category</b>	Testing and Calibration of Laboratories
<b>Course Duration</b>	One day
<b>Cost of Course</b>	Refer to Training Schedule

### Course Overview

ISO/IEC 17025:2017 provides the requirements for laboratory competence, impartiality, and consistency. This course will prepare you to plan the implementation of ISO/IEC 17025:2017 in a test or calibration laboratory and to design a laboratory management system that complies with the standard's requirements.

## ISO 17025:2017 - Testing and Calibration of Laboratories

<b>Who should attend</b>	This course applies to delegates intending to perform laboratories activities. This is not limited to the size of your organization. It is also intended for delegates wishing to perform testing and sampling that requires reliable results.
<b>Course Objectives</b>	<p>By the end of the course, the learner will be able to:</p> <ul style="list-style-type: none"> <li>• explain the effective solutions of an effective quality management system for the medical industry.</li> <li>• understand the foundation of sustaining and maintaining the standards compliance.</li> </ul>
<b>Benefits</b>	<ul style="list-style-type: none"> <li>• Improved flexibility of your organization to change.</li> <li>• Improve your organisations' productivity after the change.</li> <li>• Reduce the initial downtime by being more effective and prepared.</li> <li>• Have a structured risk management plan for your organization.</li> <li>• Increased performance of service delivery.</li> </ul>

## Course Content

<b>Course Modules</b>	<ol style="list-style-type: none"> <li>1. Overview of quality.</li> <li>2. Quality Assurance and Quality Control.</li> <li>3. Overview of the quality management system (why QMS? what are the benefits?).</li> <li>4. History and Current Status of ISO/IEC 17025 standard.</li> <li>5. Why ISO/IEC 17025:2005 needed to be revised.</li> <li>6. Relationship between ISO 17025 and ISO 9001.</li> <li>7. Changes in the new ISO 9001:2015 and their impact on ISO/IEC 17025 standard..</li> <li>8. The transition from ISO 17025:2005 to ISO 17025:2017 Standard</li> <li>9. Accreditation of Management System by accreditation bodies.</li> <li>10. Registration vs. Accreditation vs. Certification.</li> <li>11. Mutual Recognition Arrangements.</li> <li>12. ISO/IEC 17025:2017 The new structure.</li> <li>13. A comparison of the Elements of ISO/IEC 17025:2017 Standard and ISO17025:2005.</li> <li>14. Key changes in ISO/IEC 17025:2017.</li> </ol>
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	<p>15. Major and minor changes.</p> <p>16. Scope of ISO/IEC17025:2017.</p> <p>17. New Definitions and Concepts for ISO/IEC17025:2017.</p> <p>18. Requirements from the ISO/IEC 17025:2017 Standard.</p> <p>19. Process requirements.</p> <p>20. Management System requirements.</p>
<b>Certification</b>	<ul style="list-style-type: none"> <li>• Certificate of competence</li> <li>• Certificate of attendance</li> </ul>
<b>Assessments</b>	<ul style="list-style-type: none"> <li>• There will be an assessment at the end of the course.</li> <li>• Delegates have to complete the assessment with a minimum score of 60% to receive a certificate of competence.</li> <li>• Delegates who score between 40% and 59% will get a second attempt at the assessment.</li> <li>• Delegates who score lower than 40% or fail the second attempt, will need to repurchase the course.</li> <li>• Delegates will receive an attendance certificate regardless of a pass or fail.</li> </ul>

## About WWiSE

<b>Who are we?</b>	<p>World Wide Industrial &amp; Systems Engineers (WWiSE) is an ISO consultancy, training, business solutions and systems implementation firm based in Southern Africa that provides clients with effective business processes and Safety, Health, Environmental, Risk and Quality (SHERQ) management solutions in preparation for ISO compliance. The solutions we provide and implement allow our clients to compete favourably in modern competitive business environments, locally and internationally. We also strive to be the leading training providers in SHERQ, ISO, Engineering, Finance, Business and Project Management.</p>
<b>What do we do?</b>	<p>Our services are aimed at the improvement of quality, efficiency, knowledge and competitiveness of client companies. The service range includes:</p> <ul style="list-style-type: none"> <li>• ISO and SHERQ Systems implementation services whereby we assist client companies in meeting the requirements of ISO 9001, 14001, 22000, 31000, 27001, 20000-1, 50001, 22301 and 45001 standards.</li> </ul>

- Integrated Management Systems development whereby we integrate several business systems and environmental, quality management solutions into a single management system to comply with various environmental, quality and safety standards.
- Training of all employees (Shop Floor to Executive Management) in the fields of SHERQ, Engineering, Finance, Business and Project Management to meet the job responsibilities and expertise requirements of the International Standards.
- ISO and Legal auditing include gap analysis audits, product, process, procedural, and systems auditing by our registered SAATCA auditors.
- Customised web-based solutions integrating current systems to be in line with ISO requirements

We are a Level 1 BBBEE Contributor that specialises in systems development, consultancy, training and auditing.