DELTA TECH AFRICA LIMITED

ISO 17025: 2017

TESTING & CALIBRATION LABORATORY

INTRODUCTION

ISO 17025: 2017

In 2017, ISO and the Electrotechnical Commission (IEC) published a new version of the standard to update its substance and best serve the laboratories that use it. ISO/IEC 17025 was developed by laboratory experts from around the world, in collaborative efforts with 18 liaison organizations such as the International Laboratory Accreditation Cooperation (ILAC) and numerous laboratory-representing associations.

What Advantages Would It Provide To My Company Or Organization?

ISO/IEC 17025 enables laboratories to show competence and deliver credible findings, fostering trust in their work both domestically and globally. It also aids in the facilitation of collaboration between laboratories as well as other entities by promoting greater acceptance of results across borders. Test reports and certifications can be accepted from one jurisdiction to the next without further testing, which promotes international trade.

Who Is ISO/IEC 17025 For ?

ISO/IEC 17025 is beneficial to any organization that does testing, sampling, or calibration and requires consistent results. This covers all sorts of laboratories, regardless of whether they are owned and run by the government, industry, or any other group. The standard is also beneficial to universities, research institutions, governments, regulators, inspections authorities, product certification organizations, and other conformance agencies that need testing, sampling, or calibration.

Why Was It Revised ?

The most recent edition of ISO/IEC 17025 was issued in 2005, although market circumstances and technology have evolved since then. The updated edition addresses technical modifications, language, and technological advancements in IT procedures. It also takes into account the most recent ISO 9001 version.

What Are The Most Significant Changes?

ISO/IEC 17025 takes into account the new methods that laboratories function nowadays. The following are the most significant changes:

- The scope has been expanded to include all laboratory procedures, such as testing, calibration, and sampling related with further calibration and testing.
- To match the standard with other existing ISO/IEC conformity assessment standards, such as the ISO/IEC 17000 series on conformity assessment, a new structure has been developed.
- The methodology now aligns with newer standards such as ISO 9001 (quality management), ISO 15189 (quality of medical laboratories), and the ISO/IEC 17000 series (standards for conformity assessment activities), focusing on the outcomes of a process rather than the detailed description of its activities and steps.
- The standard places a greater emphasis on information technology. It combines the use of computer systems, electronic records, and the generation of electronic results and reports in acknowledgment of the reality that hard-copy guides, records, and reports are gradually being phased out in favor of electronic equivalents.
- A new section, Quality management systems – Requirements, has been included to introduce the idea of risk-based thinking and discuss the similarities with the new edition of ISO 9001:2015.

The jargon has been updated. Changes to the International Vocabulary of Metrology (VIM) and alignment with ISO/IEC terminology are two examples. ISO/IEC terminology includes a collection of common words and meanings for all standards related to conformity assessment.

Find Out More

Learn more about ISO/IEC 17025 and the ISO Committee for conformity assessment (DTA), the technical committee that developed the standard, at https://dtafrica.com/aboutdtafrica.html

More Information

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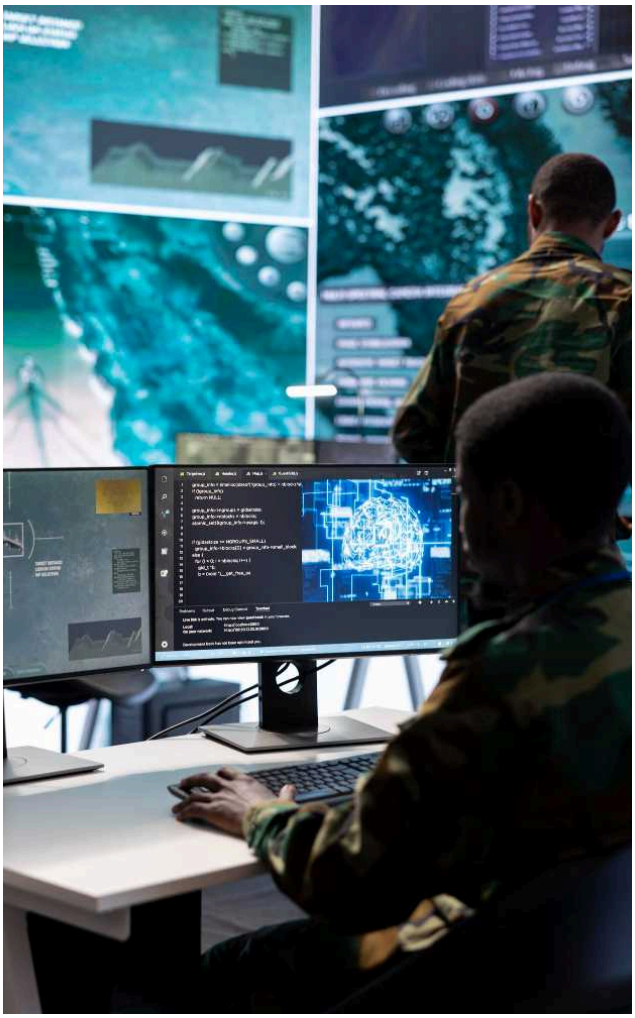
About DTA

Delta Tech Africa Limited Is An ICT And Quality Consulting Organization Focused On Performance Management Across Business Verticals. Delta Means“ A Finite Increment”. We Help Organizations To Achieve This Increment Across Departments And Functions And To Improve The Overall Organizational Performance While Adding Value To The Stakeholders. Evolution Is A Constant Change. When The Pace Of Evolution Renders Societies Impatient, It Is A Technology That Accelerates Evolution Leading To The Transformation Of Societies. When That Evolution Happens, It Doesn’t Limit The Human Endeavors, To Get The Technology Evolution, It Has To Be Supported By Processes And Management Of The Best Quality. Hence, We At Delta Tech Africa Thought Of Bringing Both Technology And Quality Management Processes Together To Get The Best Organizational Performance And Value Across The Fast Growing Continent Of Africa.



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