

## ISO 17025:1999 LCS Laboratory Competency System

ISO 17025 Laboratory Competency System (LCS) is an international standard that specifies the requirements for competence of calibration and testing laboratories. These laboratory-focused requirements include technical evaluation of laboratories, which is not provided by other quality system requirements such as ISO 9001. ISO 17025 is applicable to both independent and in-house laboratories, and to laboratories performing different tests/calibration in different industries.

### Business Benefits

<i>Worldwide Recognition</i>	Provide laboratory with formal recognition and credibility all over the world.
<b>Customer Satisfaction</b>	Enhance laboratory's ability to produce reliable testing or calibration service to meet customer needs.
<b>International Trade</b>	Reduce barriers to trade because of cross-border acceptance through Mutual Recognition Agreements (MRAs) among accrediting bodies.
<b>Technical Competence</b>	Ensure technical competence of laboratory and ability to meet appropriate standards.

### ISO 17025 Requirements

<b>4 Management Requirements</b>	<b>(4.1) Organization, (4.2) Quality system, (4.3) Document control, (4.4) Review of requests, tenders and contracts, (4.5) Subcontracting of tests and calibrations, (4.6) Purchasing services and supplies, (4.7) Service to the client, (4.8) Complaints, (4.9) Control of nonconforming testing and/or calibration work, (4.10) Corrective action, (4.11) Preventive action, (4.12) Control of records, (4.13) Internal audits, (4.14) Management reviews.</b>
<b>5 Technical Requirements</b>	<b>(5.1) General, (5.2) Personnel, (5.3) Accommodation and environmental conditions, (5.4) Test and calibration methods and method validation, (5.5) Equipment, (5.6) Measurement traceability, (5.7) Sampling, (5.8) Handling of test and calibration items, (5.9) Assuring the quality of test and calibration results, (5.10) Reporting the results.</b>