

SPECIFICALLY ABOUT QUALITY. **PRACTICALLY** FOR YOU.

STANDARDS AND MANAGEMENT SYSTEMS

IATF 16949 FOR LABORATORY

Reliable test results and
audit readiness in practice



This training shows how laboratories meet IATF 16949 requirements for competence, test methods, equipment and reliable results — from daily control to evidence ready for audit.

NOTE: The training is adjusted to the new ISO 9001:2026 requirements!

2 DAYS

16 training hours

IN-PERSON / ONLINE

Training outcome

Participants can translate IATF 16949 requirements into practical laboratory activities and credible audit evidence.

After the training, participants can

- interpret IATF 16949 requirements for laboratories;
- identify risks that can affect test results;
- control methods, equipment and records;
- respond to nonconforming results and equipment issues;
- prepare the laboratory for audit.

Who should attend

- laboratory managers and employees;
- quality, metrology and test engineers;
- people responsible for measuring equipment;
- internal auditors and quality teams;
- people working with laboratories in automotive.

*Level: foundation / intermediate***Methods: automotive examples • risk analysis • exercises • case study • discussion**

The programme moves from the laboratory role in IATF 16949 to reliable-result practice: competence and methods, equipment, then audit and improvement.

01 The laboratory role in IATF 16949

- laboratory impact on product conformity and quality decisions;
- system requirements relevant to laboratory work;
- process approach, accountability and risk.

02 Scope and organisation of activities

- internal and external laboratories;
- test scope, responsibilities and controlled processes;
- interfaces with production, quality and the customer.

03 Personnel competence

- qualifications, training and authorisations;
- competence assessment and supporting records;
- accountability for quality and impartial results.

04 Test methods and work instructions

- approval and updating of methods;
- instructions, acceptance criteria and traceability;
- method or customer-requirement change.

05 Measuring and test equipment

- equipment selection, identification and status;
- calibration, intermediate checks and maintenance;
- response to out-of-requirement equipment.

06 Result reliability and data

- MSA: repeatability and reproducibility;
- control of samples, conditions and data;
- trend interpretation and result reporting.

07 Nonconformities and corrective action

- managing a nonconforming result;
- root cause, containment and permanent action;
- effectiveness verification.

08 Laboratory audit and improvement

- evidence expected during an IATF 16949 audit;
- preparation for internal and customer audits;
- exercise: risk analysis for a selected laboratory process.

[TRAINING REGISTRATION FORM](#)