

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

STANDARDS AND MANAGEMENT SYSTEMS

IATF 16949 FOR ENGINEERS

Turning quality requirements into effective engineering decisions



This training shows engineers how to use IATF 16949 in everyday product design, process planning, problem solving and improvement. Participants connect system requirements with decisions that affect the product, process and customer.

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

2 DAYS

16 training hours

IN-PERSON / ONLINE

Training outcome

Participants can identify IATF 16949 requirements relevant to their role and apply them in engineering practice.

After the training, participants can

- interpret IATF 16949 requirements in engineering;
- connect customer requirements with quality planning;
- use Core Tools across product and process life cycles;
- respond to risk, change and nonconformity;
- prepare evidence that is ready for audit.

Who should attend

- quality, process, product and project engineers;
- manufacturing and industrialisation engineers;
- engineering team leaders;
- people working with customers and suppliers;
- specialists building automotive competence.

Level: foundation / intermediate

Methods: automotive examples • requirement analysis • exercises • case study • discussion

The programme moves from the IATF 16949 context to engineering practice: quality planning, risk, change, problem solving and evidence of effectiveness.

01 The engineer's role in IATF 16949

- process approach, risk and customer focus;
- engineering accountability for quality outputs;
- customer-specific and regulatory requirements.

02 Customer requirements and quality planning

- CSR, specifications and special characteristics;
- from requirements to a quality plan and actions;
- linking requirements with project risk.

03 APQP and project management

- APQP phases and key decision points;
- planning resources, accountability and timing;
- readiness for validation and launch;
- how to work with special characteristics;
- change management.

04 FMEA and risk management

- analysis of functions, failures and effects;
- DFMEA/PFMEA as the basis for prevention;
- updating FMEA after change and problems.

05 Control Plan, MSA and SPC

- alignment of FMEA, Control Plan and work instructions;
- measurement-system capability;
- process stability and capability.

06 PPAP and product validation

- PPAP logic and customer expectations;
- evidence of product and process conformity;
- managing deviations and changes.

07 Nonconformities and problem solving

- containment, root-cause analysis and permanent action;
- 8D, 5 Why and effectiveness verification;
- lessons learned and recurrence prevention.

08 Audit, change and continual improvement

- engineering evidence expected during an audit;
- risk assessment for product and process change;
- exercise: evidence map for a selected process.

TRAINING REGISTRATION FORM