IATF 16949 Examination For 1ST/2ND Party Auditor

- Be able to perform independent IATF system audits internally and at the site of your suppliers.
- Understand the requirement of a qualified and competent 1st/2nd party auditor.
- Understand the process management and process-oriented approach of the automotive industry.
- Understand the requirements of IATF 16949:2016 and selected ISO 9001 requirements.

COURSE OUTLINE

Day 1: Process Management and Process-Oriented Approach in the Automotive Industry

- 1.1 Introduction to Process Management
- 1.2 Importance of Process-Oriented Approach in Automotive Manufacturing
- 1.3 Key Principles of Process Management
- 1.4 Process Mapping and Optimization
- 1.5 Risk-Based Thinking in Process Management
- 1.6 Continuous Improvement and Lean Manufacturing
- Activities: Case studies on process improvement, group discussions on Lean and Six Sigma

Day 2: ISO 19011 - Guidelines for Auditing Management Systems

- 2.1 Overview of ISO 19011
- 2.2 Audit Principles and Key Concepts
- 2.3 Types of Audits in the Automotive Industry
- 2.4 Auditor Competency and Responsibilities
- 2.5 Managing an Audit Program
- 2.6 Conducting an Effective Audit
- 2.7 Reporting and Follow-up Actions
- Activities: Role-play audit scenarios, practical audit checklist creation

Day 3: Structure of IATF 16949 and Integration with ISO 9001

- 3.1 Introduction to IATF 16949
- 3.2 Relationship Between IATF 16949 and ISO 9001
- 3.3 High-Level Structure of IATF 16949
- 3.4 Key Differences Between IATF 16949 and ISO 9001
- 3.5 Implementation Challenges and Best Practices
- Activities: Interactive comparison exercises between ISO 9001 and IATF 16949

Day 4: Requirements of IATF 16949:2016 and Selected ISO 9001 Requirements

- 4.1 Quality Management System Requirements
- 4.2 Leadership and Commitment
- 4.3 Risk-Based Thinking and Preventive Action
- 4.4 Product Safety and Regulatory Compliance
- 4.5 Supplier Management and Development
- 4.6 Production and Process Control
- 4.7 Customer-Specific Requirements
- 4.8 Nonconformity and Corrective Actions
- Activities: Group discussions on real-world compliance issues, case studies on supplier management

Day 5: IATF 16949 Certification Rules

- 5.1 Certification Process Overview
- 5.2 Audit Requirements and Stages
- 5.3 Nonconformities and Their Classification
- 5.4 Certification Body Requirements
- 5.5 Surveillance and Recertification Audits
- 5.6 Managing Changes in Certification Status
- Activities: Certification case study, audit planning workshop

Day 6: Application of Automotive Core Tools

- 6.1 Overview of Automotive Core Tools
- 6.2 Advanced Product Quality Planning (APQP)
- 6.3 Failure Modes and Effects Analysis (FMEA)
- 6.4 Measurement Systems Analysis (MSA)
- 6.5 Statistical Process Control (SPC)