

# IATF 16949:2016 Lead Auditor Training for Automotive Quality Management Systems



**Course Duration: 5 Days - 8 Hours/day**

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## Seminar Content

Although the ISO 9001 requirements have been removed from IATF 16949 Automotive Quality Management System requirements and are published as a separate ISO standard, IATF 16949 is not a stand-alone standard and must be used in conjunction with ISO 9001, so Omnex is continuing to offer courses that cover both the ISO 9001 and IATF 16949 requirements.

Omnex is an Exemplar Global Certified TPECS provider for Exemplar Global QM, AU and TL Competency Units. This five-day course has been developed to satisfy the Exemplar Global QM, AU and TL Examination Profiles and, as such, all attendees who successfully pass the exams during this course will achieve a Certificate of Attainment for the following competency units:

- ❖ Exemplar Global QM
- ❖ Exemplar Global AU
- Exemplar Global TL

**\*FOR PUBLIC TRAINING ONLY** - The requirements portion of this training is conducted online prior to the in-classroom or virtual course. The seated or virtual classroom portion of the class will begin on Tuesday morning with a review and testing. The Monday of that training week will be offline and for finishing the e-learning or contacting the instructor with questions. The auditor portions (AU and TL) will continue as appropriate according to the dates scheduled.

This five-day course was developed to cover all requirements of both the ISO 9001 and IATF 16949 standards, including the new IATF 16949 requirements for Internal and Second Party Auditors (clauses 7.2.3 and 7.2.4) regarding Core Tools and Customer-Specific Requirements.

Group exercises and case studies with examples from the automotive industry will be used to develop the required auditing skills. The auditing guidelines of ISO 19011-including the auditing process and methodologies, e. g., planning and conducting an audit, writing nonconformity statements, preparing an audit summary and report, and verifying corrective actions-and their application in the automotive process approach are covered. Auditing case studies from the automotive industry to develop skills for identifying nonconformities will be used. Techniques for leading audit teams will also be discussed.

## Learning Objectives

- ❖ Understand the application of quality management principles in the context of ISO 9001 and IATF 16949.
- ❖ Relate the quality management system to the organizational products, services, activities and operational processes.
- ❖ Relate organization's context and interested party needs and expectations to the planning and implementation of an organization's quality management system.
- ❖ Understand the application of the principles, procedures and techniques of auditing.
- ❖ Understand the conduct of an effective audit in the context of the auditee's organizational situation.
- ❖ Understand the application of the regulations, and other considerations that are relevant to the management system, and the conduct of the audit.
- ❖ Practice personal attributes necessary for the effective and efficient conduct of a management system audit.

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## OMNEX INC

Global Headquarters Omnex Inc., 315 E. Eisenhower Parkway, Suite 214, Ann Arbor, MI 48108, USA.  
Phone: (734) 761-4940 | Fax: (734) 761-4966 | Email: [info@omnexus.com](mailto:info@omnexus.com) | Web: [www.omnexus.com](http://www.omnexus.com)

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- ❖ Establish, plan and task the activities of an audit team.
- ❖ Communicate effectively with the auditee and audit client.
- ❖ Organize and direct audit team members.
- ❖ Prevent and resolve conflict with the auditee and/or within the audit team.
- ❖ Prepare and complete the audit report.
- ❖ Understand the purpose and applicable uses of the core tools
- ❖ Link the core tools to IATF requirements
- ❖ Explain the importance of Customer-Specific Requirements

## Day One

- ❖ Introduction and Welcome
- ❖ The ISO and IATF Standards Explained
- ❖ Introduction to ISO 9001 and IATF 16949
- ❖ ISO 9001:2015 and IATF 16949:2016 Requirements
- ❖ *Group Exercise: Context of the Organization*
- ❖ *Group Exercise: Interested Parties*
- ❖ *Group Exercise: Audit Scenarios*

## Day Two

- ❖ ISO 9001:2015 and IATF 16949:2016 Requirements (cont'd)
- ❖ Group Exercises: Audit Scenarios (cont'd)
- ❖ Independent QMS Written Exercise
- ❖ Introduction to Turtle Diagrams and Audit Trails
- ❖ Management of Audit Programs

- ❖ Audit Planning and Preparation
- ❖ *Breakout Exercise 1: Writing an Objective and Scope Statement*
- ❖ *Breakout Exercise 2: Documentation Review*
- ❖ *Breakout Exercise 3: Creating an Audit Plan*

## Day Three

- ❖ Performing the Audit
- ❖ *Breakout Exercise 4: Performing an Audit*
- ❖ *Conducting a Process Approach Audit*
- ❖ *Conducting an Audit of Risk Planning (6.1)*
- ❖ Writing Nonconformity Statements
- ❖ *Breakout Exercise 5: Writing Nonconformity Statements*
- ❖ Closing Meeting
- ❖ Completing the Audit Report
- ❖ Corrective Action and Closeout

## Day Four

- ❖ Linking Automotive Core Tools to IATF 16949
- ❖ Customer-Specific Requirements
- ❖ *Management Systems Auditing Written Exercise*
- ❖ *CSR/Core Tools Examination*

## Day Five

- ❖ Leading Audit Teams
- ❖ Management System Certification Scheme and Auditor Qualifications

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- ❖ *Leading Management Systems Audit Teams Written Exercise*
- ❖ Review of Audit Process and Audit Management Strategies
- ❖ *Leading Management Systems Audit Teams Mock Audit Case Study*
- ❖ *Including scenarios on Risk-Based Thinking and a Process Flow/PFMEA/Control Plan Manufacturing Process Audit Scenario*
- ❖ Practical Application of Audit Principles and Instructor Interviews

## Who Should Attend

This seminar is primarily designed for internal or third party auditor candidates, but can also be valuable for Quality Assurance Managers, IATF 16949 Implementation and/or Transition Team Members, Management Representatives, and all others who would like to develop competency in IATF 16949 and the auditing process for first, second and third party auditing.

## Seminar Materials

Each participant will receive a seminar manual and a breakout workbook that includes automotive-based auditing case studies.

## Pre-Requisite

An understanding of both ISO 9001 and IATF 16949 requirements and/or work experience in applying IATF 16949 is recommended.

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