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IATF 16949:2016 Automotive QMS Introductory & Awareness Training

(IN HOUSE/PUBLIC TRAINING PROGRAMME)

SBL Scheme

Introduction

ISO/TS 16949 was first developed in 1999 by the IATF in conjunction with ISO's technical committee for quality management system, ISO/TC 176. As a result and outcome, ISO/TS 16949 integrated with ISO 9001 by including customer specific requirements (CSRs) from the automotive sector.

After 3 times of revision, from 1999 (1st. Edition), 2002 (2nd. Edition) and 2009 (3rd. Edition), in October 2016, the IATF published a revised automotive industry standard, and the first edition will be referred to as "IATF 16949." This new standard superseded and replaced the current ISO/TS 16949:2009, defining the requirements of a quality management system for organizations in the automotive industry.

IATF 16949 is aligned with and refers to the most recent version of ISO's quality management systems standard, ISO 9001:2015, fully respecting its structure and requirements. ***IATF 16949 is not a standalone quality management standard, but is implemented as a supplement to, and in conjunction with, ISO 9001:2015***. **This means that an organization in the automotive sector seeking IATF 16949 certification *must also comply with ISO 9001:2015***.

The automotive industry produces high-risk, high-cost products and services and has tightly controlled industry requirements; therefore, IATF 16949 better aligns with the needs of its stakeholders. According to the IATF 16949 Revision Team, the goal of this standard is the development of a quality management system that provides for continual improvement, emphasizing defect prevention, and the reduction of variation and waste in the supply chain.

IATF 16949 plays an essential role in ensuring quality requirements are met, thus reducing the risk of product and service failure for automotive production, service and/or accessory parts organizations. Certification to IATF 16949 is mandatory for organizations who wish to manufacture parts for the automotive industry.

To get you pointed in the right direction, IATF already published guidelines that will cover the following topics:

- Transition Guidance
- Transition Timeline
- New High Level Structure
- Preview of IATF 16949 changes

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Purpose of the New Standard

ISO standards are reviewed every five years to determine what changes, if any, are required to keep the standards up-to-date and relevant. Since the ISO 9001:2008 revision, business needs and expectations have changed significantly. The new ISO 9001:2015 better meets customer requirements, adapts to new technologies, better integrates with complex supply chains, and addresses the need for more sustainable development initiatives. This is accomplished through a better understanding of the organization's context and relevant interested parties, and by taking appropriate actions to address risks and opportunities at every level.

IATF 16949 fully supports these changes in ISO 9001:2015 with additional requirements that better meet automotive industry needs. Alignment with the ISO 9001:2015 structure makes it easier for organizations that need to implement more than one quality management system standard. If IATF 16949 is implemented and properly managed, an organization will:

- Receive recognition from regulatory authorities
- Produce safer and more reliable products
- Meet or exceed customer requirements
- Improve processes and documentation system

Transition Strategy

The IATF has communicated that there will only be ***one transition option*** for organizations: ***Transition in line with the organization's current ISO/TS 16949 audit cycle.***

Organizations transitioning from ISO/TS 16949:2009 to IATF 16949 must transition to the new standard through a transition audit in line with the organization's current regularly scheduled recertification audit or surveillance audit, as defined in the IATF Rules, section 5.1.1.

For organizations currently certified to ISO/TS 16949, here is a recommended action plan for transitioning:

1. Familiarize yourself **ISO 9001:2015** and **IATF 16949.**
2. Perform an **organizational gap analysis** against ISO 9001:2015 and IATF 16949 to identify the differences that need to be addressed to ensure your organization's QMS meets all the new requirements, including those related to external providers.
3. Based on the results of the gap analysis, develop an **implementation plan** specific to your organization.
4. Provide **appropriate training** for all individuals involved in implementing ISO 9001:2015 and IATF 16949 at your organization.
5. Update your existing system and **provide evidence** that your organization meets the new requirements.

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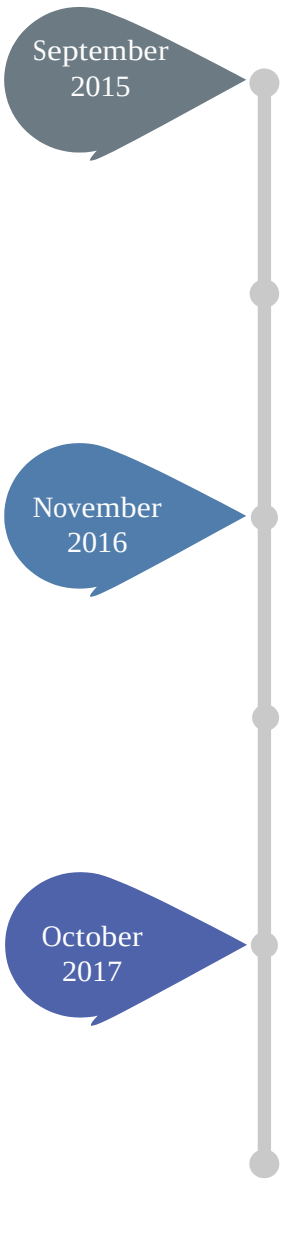
Transition Timeline



ISO 9001:2015 PUBLICATION

ISO's flagship quality management systems standard published on September 23, 2015.

September 2015

IATF 16949 PUBLICATION

IATF 16949:2016 projected to publish in October 2016.

October 2016

RULES 5TH EDITION PUBLICATION

Rules for Achieving and Maintaining IATF Recognition 5th Edition projected to publish in November 2016.

November 2016

AUDITOR REGISTRATION COMPLETE

By June 30, 2017, all active third-party auditors registered in the IATF ADP must pass the IATF 16949 and Rules 5th training and quiz modules or they will be subject to deactivation.

June 2017

FUTURE AUDITS TO IATF 16949

Beginning October 1, 2017, all audits must be to IATF 16949 using Rules 5th Edition, and all organizations seeking initial certification can no longer certify to ISO/TS 16949.

October 2017

IATF 16949 TRANSITION COMPLETE

Transition to IATF 16949 must be complete by September 14, 2018. All ISO/TS 16949 certificates will no longer be valid

September 2018

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Learning Outcomes/Objectives

Upon return to workplace, participants will be able to:-

- Acquire an in-depth understanding about development & evolution of the IATF16949:2016 automotive QMS standard.
- Have a good understand of IATF16949:2016 standard requirements.
- Differences between automotive standard ISO/TS 16949:2009 versus IATF16949:2016 edition.
- The effects of IATF16949:2016 affecting current existing systems.
- Acquire a good understand and knowledge on the practical strategy & approach on the development, Implementation and maintenance of IATF16949:2016 automotive QMS standard.

Program Contents

Day 1 & Day 2

1. Registration
2. Introduction, Ice-breakers (Warm-Up Exercise)
3. Training Schedule Confirmation
4. Introduction and briefing of IATF16949:2016 automotive QMS requirements - Its developments & evolutions
5. Process Approach Methodology
6. Risk Based Thinking – Context of the organization, differences of risk based thinking with preventive action, ISO Guide 73, ISO31000:2010 Risk Management Concepts and Principles
7. Integration of Customer Specific Requirements (CSRs), First and Second Party Auditors Competency, Product Safety, Manufacturing Feasibility, Warranty Management and Development of Products with Embedded Software.
8. Clause 4 : Context of the Organization
   Understanding the organization and its context; needs and expectations of interested parties; scope of the system; processes of the quality management system
9. Clause 5: Leadership
   Leadership and commitment; quality policy; organizational roles, responsibilities and authorities
10. Clause 6: Planning
    Actions to address risks and opportunities; quality objectives and; planning of changes
11. Clause 7: Support
    Resources; competence; awareness; communication; documented information
12. Clause 8: Operation
    Operational planning and control; Requirements for products & services; design and development; control of externally provided processes, products and services; production and service provision;

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release of products and services; control of nonconforming outputs

13. Clause 9: Performance Evaluation
    Monitoring, measurement, analysis and evaluation; internal audit; management review

14. Clause 10: Improvement
    Nonconformity and corrective action; continual improvement

15. IATF16949:2016 Transition Strategy
    - Forming Project Team
    - Gap Analysis
    - Formulate Action Plans, Implementation and Continual Improvement

16. Quality Documentation
    - Changes to current documentation
    - Quality Manual and Procedures
    - Standard Operating Procedures (SOP) and Work Instruction (WI)
    - Format requirements and control mechanism (preparation, review, approval, issue, distribution, retrieval and retention)

17. Pre and Post Tests, Training Evaluation

Prerequisite Requirements

The IATF 16949:2016 standard text does not include ISO9001:2015 requirements. ***This course does not cover the original requirements of ISO 9001:2015***. Delegates who intend to attend this course are encouraged to attend the understanding ISO9001:2015 awareness training first.

Who Should Attend

For Mangers, Executives, Engineers, Supervisors and IQA Auditors responsible for ISO/TS16949 automotive QMS implementation and deployment, Research, Design & Development Executives and Engineers in any automotive relevant organization.

Methodology

- Course Notes
- OHP / LCD
- Case Study / Group Activities
- Lecturettes

Duration

2 Days

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