



CQE Training & Consultancy (IP0187064-K)

Registered Office : No. 46, Lorong Bintang, Taman Tasik Permai, 34000 Taiping, Perak, Malaysia.

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Integrated Quality, Environment & Safety Management Systems Introductory & Awareness Training (IN HOUSE/PUBLIC TRAINING PROGRAMME)



SBL
Scheme

Introduction

The automotive societies of the USA, UK, Italy, France and Germany have formed a group to develop an international automotive quality systems standard. The group called the International Automotive Task Force (IATF) has been formed of quality management personnel from the vehicle manufacturers including Ford, General Motors, Daimler Chrysler, Peugeot, Fiat, BMW, and others, and trade associations, AIAG, SMMT, VDA, CCFA and FIEV.

The ISO/TS 16949 Standard was an international effort to develop a common Quality Management System for automotive industry. It was initially presented as an alternative to those organizations that were certified to QS9000, VDA 6.1, AVSQ and EAQF. However, with the retirement of QS 9000, AVSQ and EQFQ in recent year, more and more companies have chosen to be certified with ISO/TS 16949.

ISO/TS 16949:2009 was developed by IATF (International Automotive Task Force) members and approved by ISO (International Organization for Standardization) for publication. It is an industry specific Quality Management System (QMS) catering for automotive industries with the following objectives:

- Promote continue improvement
- Emphasis defect prevention, and
- Continual waste and variation reduction.

The automotive industry Quality Management System (QMS) consists of ISO/TS 16949 Standard and the related customer-specific requirements (CSR).

- The 3rd edition is the latest version and it was published on the 15th of June 2009. It has been technically updated to align with ISO 9001:2008 Standard. The previous revision was based on ISO 9001:2000.
- Customer-Specific Requirements (CSR) is the additional requirements imposed by the OEM. These requirements will form part of the audit criteria during the certification & internal audits.



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With the recent year popular progress of Integrated Management Systems (IMS) implementation which combine and integrate ISO/TS16949 QMS, ISO14001 EMS and OHSAS18001 OS&H as one organization management system, this will enable company and organization drive for cost saving program and at the same time fully utilize organization resources effectively and efficiently.

Overview

The **ISO/TS16949:2009** Standard is based on **ISO 9001:2008** standard as backbone with additional common automotive industry requirements. The requirements are encompassed in 5 clauses, namely:

1. Quality Management System,
2. Management Responsibility,
3. Resource Management,
4. Product Realization,
5. Measurement, Analysis & Improvement.

**Also available as
in-house programme.**

Exclusion to the requirements is only limited to the product design & development processes.

Organizations that spearheading for certification must be parts of the automotive supply chain that provides value added activities or services to their customers. The term “automotive” include cars, buses, trucks, motorbikes but exclude special purpose vehicle such as tractors for agricultural purposes. Producers of automotive after-market products or providers of support services such as warehousing, transportation, calibration and others are not eligible for certification. Scope of certification includes site where value added activities are performed as well as remote locations if any where support services are provided.

Is ISO/TS 16949 relevant to your organization?

It is part of the common procurement requirement among the IATF members that all their suppliers, especially tier-1 suppliers shall be certified to ISO/TS 16949. JAMA strongly encourages their members' suppliers to be certified to the ISO/TS 16949. In recent years, more are more OEMs (besides IATF and JAMA members) are encouraging or has made it part of the procurement requirements that require their suppliers to be 3rd party certified to ISO/TS 16949, one of those examples is Proton in Malaysia.

Notes:

- **IATF** members include the following vehicle manufacturers: BMW Group, Chrysler Group LLC, Daimler AG, Fiat Group Automobiles, Ford Motor Company, General Motors Corporation (including Opel Vauxhall), PSA Peugeot-Citroen, Renault, Volkswagen AG and the vehicle manufacturers respective trade associations - AIAG (U.S.), ANFIA (Italy), FIEV (France), SMMT (U.K.) and VDA (Germany)
- **JAMA** members include the following vehicle manufacturers: Daihatsu Motor Co., Ltd, Fuji Heavy Industries Ltd., Hino Motors, Ltd., Honda Motor Co., Ltd., Isuzu Motors Ltd., Kawasaki Heavy Industries, Ltd., Mazda Motor Corporation, Mitsubishi Motors Corporation, Mitsubishi Fuso Truck & Bus Corporation, Nissan Motor Co., Ltd., Suzuki Motor Corporation, Toyota Motor Corporation, UD Trucks Corporation, and Yamaha Motor Co., Ltd.



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Implementation of **ISO14001:2004 Environmental Management System (EMS)** and obtaining certification is not a once-off activity, but rather, its mark the beginning of the journey towards continual improvement. The environmental cannot be protected by our convictions or good will alone. Efforts to protect the environmental must be planned, coordinated and organized into a system. This is why ISO14001 Environmental Management System (EMS) was developed, it is a system for managing and controlling the environmental impacts of products, services, processes and operations of company's. EMS in-depth understanding will ensure the implemented systems are maintained and operate in satisfactory manner.

OHSAS 18001:2007 is an occupational health and safety management standard. It defines a set of occupational health and safety (OH&S) management requirements for occupational health and safety management systems (OHSMS). It was developed by the OHSAS Project Group, a consortium of 43 organizations from 28 countries. This consortium includes national standards bodies, registrars (certification bodies), consultants, and occupational health and safety institutes.

This new **OHSAS 18001:2007** standard was officially published during July of 2007. It cancels and replaces OHSAS 18001:1999. Since it was first published in 1999, OHSAS 18001 has rapidly become the most widely used international occupational health and safety management standard. It applies to all types of organizations. It doesn't matter what size they are or what they do. The purpose of OHSAS 18001 is to help organizations to manage and control their occupational health and safety risks and to improve their occupational health and safety performance. They can achieve this purpose by developing an occupational health and safety management system (OHSMS) that complies with the standard.

An OHSMS is a network of interrelated elements. These elements include responsibilities, authorities, relationships, functions, activities, processes, practices, procedures, and resources. These elements are used to establish OH&S policies, plans, programs, and objectives.

Learning Outcomes/Objectives



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

- ✦ Acquire an in-depth understanding about ISO/TS16949:2009 Automotive QMS standard, ISO14001:2004 EMS standard and OHSAS18001:2007 Occupational, Safety & Health Standard requirements.
- ✦ Know how this new ISO/TS16949 standard work together with current automotive standard such as QS9000, AVSQ, EAQF and VDA 6.1 especially the IATF and JAMA members, including the effective integration to ISO14001 EMS and OHSAS18001 Safety & Health Management Systems.
- ✦ Differences between automotive standard ISO/TS16949 versus ISO14001 EMS and OHSAS18001.
- ✦ The development, implementation and maintenance of Integrated Management Systems – Quality ISO/TS 16949, Environment ISO14001 and Safety & Health OHSAS18001.

Program Contents

Day 1

1. Registration
2. Introduction, Ice-breakers (Warm-Up Exercise)
3. Training Schedule Confirmation





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4. Introduction and briefing of ISO/TS16949:2009 automotive QMS requirements
 - ISO/TS16949 QMS structure
 - 8 Management Principles
 - Excerpt and summary of ISO/TS16949:2009 Clause 1 to 8
 - Clause 1 – Scope
 - Clause 2 – Normative References
 - Clause 3 – Terms & Definitions
 - Clause 4 – Quality Management System Requirements
 - Clause 5 – Management Responsibility
 - Clause 6 – Resources Management
 - Clause 7 – Production Realization
 - Clause 8 – Measurement, Analysis & Improvement

Day 2

5. Introduction to ISO14001 Environmental Management System (EMS) requirements
 - ISO14001 EMS Structure
 - Clause 1 – Scope
 - Clause 2 – Normative and References
 - Clause 3 – Terms & Definitions
 - Clause 4 – EMS Requirements
 - Cause 4.1 – General Requirements
 - Clause 4.2 – Environmental Policy
 - Clause 4.3 – Planning
 - Clause 4.4 – Implementation and Operation
 - Clause 4.5 – Checking
 - Clause 4.6 – Management Review
6. Introduction & Awareness to OHSAS18001:2007 Occupational, Health & Safety requirements
 - OHSAS18001 OH&S Structure
 - Clause 1 – Scope
 - Clause 2 – Normative and References
 - Clause 3 – Terms & Definitions
 - Clause 4 – OH&S Requirements
 - Cause 4.1 – General Requirements
 - Clause 4.2 – OH&S Policy
 - Clause 4.3 – Planning
 - Clause 4.4 – Implementation and Operation
 - Clause 4.5 – Checking and Corrective Actions
 - Clause 4.6 – Management Review



Who Should Attend

For Managers, Executives, Engineers, Supervisors and Internal Auditors responsible for ISO/TS16949 automotive QMS, ISO14001 EMS and OHSAS18001 OS&H implementation, deployment and maintenance of integrated management systems in any organizations.





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Methodology

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

Duration

2 Days

