

QUALITY MANAGEMENT IN THE AUTOMOTIVE INDUSTRY



JOB PROFILES

Quality Management Representative in the Automotive Industry can interpret, implement and further develop the requirements model of IATF 16949 in a company-specific manner. Furthermore, they have the competence to apply the methods for the implementation and control of process management and the relevant quality methods and quality techniques. In addition, they can interpret and apply the automotive core tools (APQP, FMEA, MSA, SPC, PPAP) in the product life cycle.



Quality Systems Manager in the Automotive Industry have the necessary knowledge and skills to set up and efficiently develop a company-specific quality management system (ISO 9000 ff.) taking into account the current automotive-specific additional requirements. In addition, they have mastered the common tools / methods used in the automotive industry such as statistical methods for evaluating / securing processes, knowledge of carrying out project management using methods such as FMEA, APQP, PPAP etc. They are able to evaluate and continuously improve company processes using audit methods from the automotive industry to actively participate in the development of the organization.



STRUCTURE OF THE COURSE SERIES



*) It is not required to take the Quality Management Representative examination in order to become a Quality Systems Manager.

Note: If participants cannot provide the proof of practical experience prior to the examination, it is still possible to take the examination. In this case, participants who pass the examination will obtain the certificate with status „Candidate“. As soon as Quality Austria receives the proof of practical experience the certificate will be upgraded free of charge.

IMS
3 days
09-17 h

Integrated Management System - Requirements

COURSE

The goal is to put diploma holders in the position to understand their organization as a system, to recognize the functions and potentials of management systems, to implement the integration of management systems and to develop them further.

PREREQUISITES

Qualified and relevant professional experience is advantageous

TARGET GROUP

People who are responsible for the integration and further development of management systems.

CONTENTS

- System documentation
- Process management
- Norms, standards and their certification
- Risk management
- Management systems and their integration
- Group work

AQMS
2 days
09-17 h

Quality Management Automotive

COURSE

This course provides basic knowledge of the requirements of IATF 16949 and an extract of the specific certification requirements of IATF 16949.

PREREQUISITES

Knowledge of ISO 9001; qualified and relevant professional experience is advantageous

TARGET GROUP

Persons (e.g. auditors) responsible for the interpretation and/or maintenance of quality management systems.

CONTENTS

- Objectives and benefits of quality management systems
- Requirements of ISO 9001 and IATF 16949
- IATF certification requirements (excerpt)

IMSA
3 days
09–17 h

Integrated Management System – Methods and Tools



COURSE

This course teaches the best possible application of tools and methods for building, integrating and optimizing management systems.

PREREQUISITES

Mastery of the training material from previous courses, depending on the respective focus (see structure of the course series)

TARGET GROUP

Senior and junior managers who integrate quality, environmental, and occupational health and safety management systems and further develop organizations.

CONTENTS

- Methods for management systems
- Audits
- Legal aspects
- Group Work

ABP
1 day
09–17 h

EXAMINATION Quality Management Representative in the Automotive Industry (optional)



COURSE
EXAMINATION

The contents of the examination refer to the courses IMS, AQMS, IMSA and ACT.

PREREQUISITES

Training in accordance with the courses IMS, AQMS, IMSA and ACT. Further 2 years of practical professional experience, one of these in quality assurance or quality management

FORMAT

The written examination consists of multiple-choice questions. Duration: 30 minutes

The oral examination consists of an interview focused on specialist knowledge and implementation skills. Duration: 10 minutes

CERTIFICATE **Quality Management Representative in the Automotive Industry**

VALIDITY OF CERTIFICATE 3 years

CRITERIA FOR EXTENSION

- Proof (e.g. letter from employer, interim certification, self-declaration) of 1 year of professional practice in the field of automotive management within the last 3 years.
- Refresher course for Quality Managers and Auditors with focus on the Automotive industry (RQA-A).

ACT
2 days
09–17 h

Automotive Core Tools



COURSE

This course provides participants with an overview of Automotive Core Tools, which have to be applied by suppliers and their employees during the entire product life cycle.

PREREQUISITES

None
(Quality management or experience in the automotive industry is advantageous)

TARGET GROUP

Employees in the automotive supplier industry, such as managers, project managers or employees, sales, key account managers, purchasing / procurement, quality assurance, SCM, production, test and measurement equipment / metrology, maintenance etc.

CONTENTS

- Principles of statistics
- Core Tools: Introduction and basics
- Economic process design and process reliability
- APQP/MLA: Project management and maturity level assurance
- Control Plan: Production control plans, illustration of production and test procedures
- FMEA: Identification, evaluation and control of risks in product and process development
- MSA, SPC, PPAP/PPF, 8D method

AMK
3 days
09–17 h

Automotive Methodology Toolbox



COURSE

This course provides participants with an overview of methods used in the automotive industry.

PREREQUISITES

None (quality management or automotive experience is advantageous)

TARGET GROUP

Employees in the automotive supplier industry, such as managers, project managers or employees, sales, key account managers, purchasing / procurement, quality assurance, SCM, production, test and measurement equipment / metrology, maintenance etc.

CONTENT

- Internal Audits (Consideration of customer requirements)
- Fault Tree Analysis (FTA)
- Failure analysis
- Total Productive Maintenance (TPM)
- Design for Manufacturing & Assembly (DFMA)
- Design For Six Sigma (DFSS)

IMSO
3 days
09-17 h

Integrated Management System – Organization Development

 COURSE

This course teaches know-how regarding essential management methods in IMS-organizations and highlights the interactions and correlations in systems.

PREREQUISITES

Mastery of the training material from previous courses, depending on the respective focus (see structure of the course series)

TARGET GROUP

Senior and junior managers who integrate quality, environmental, and occupational health and safety management systems and further develop organizations.

CONTENTS

- Strategic direction of organizations
- Determining the context and assessing risks and opportunities
- Planning and implementation of changes to the management system
- Knowledge and competence
- Management review
- EFQM Model

AMPV
1 Tag
09-17 h

SEMINAR Preparation for Examination Quality Systems Manager in the Automotive Industry (optional)

 SEMINAR

This seminar provides candidates with optimal preparation for the Quality Systems Manager in the Automotive industry examination. The most important issues are explained in depth and targeted training is given.

PREREQUISITES

It is recommended to attend the courses IMS, AQMS, IMSA, ACT, AMK, IMSO and AMSPR.

TARGET GROUP

The seminar is addressed to all persons who intend to take the Quality Systems Manager in the Automotive industry examination within a foreseeable period and who wish to prepare themselves in a targeted manner with additional exercises.

CONTENTS

- Implementation of a multiple choice test (complies with the examination standard)
- Moderation of a case example (complies with the examination standard)
- Presentation of a case example
- Reflection and comment on the moderation, presentation and group results by the trainer

AMSPR
2 days
09-17 h

Automotive Management Systems - Project Management

 COURSE

This course teaches participants the methods for a systematic approach to developing and implementing a quality management system (e.g. according to IATF 16949) in your company.

PREREQUISITES

None (quality management or automotive experience is advantageous)

TARGET GROUP


Managers and junior managers who further develop quality management systems and organizations.

CONTENTS

- Introduction of a management system as a project
- Manage changes in the company with projects
- Requirements for certification (according to the IATF certification rules)

AMP
1 day
09-17 h

EXAMINATION Quality Systems Manager in the Automotive Industry

 COURSE EXAMINATION

The contents of the examination refer to the courses IMS, AQMS, IMSA, ACT, AMK, IMSO and AMSPR.

PREREQUISITES

Training in accordance with the courses IMS, AQMS, IMSA, ACT, AMK, IMSO and AMSPR. Further 4 years of practical professional experience, 2 of these in quality assurance or quality management

FORMAT

The written examination consists of multiple-choice questions. Duration: 60 minutes

The oral examination consists of a group moderation (solving a case study) with 1.5 hours and a presentation with 10 minutes. Subsequent to the presentation, 3 expert questions are asked, referring to the presentation and/or training content (approx. 10 minutes).

CERTIFICATE Quality Systems Manager in the Automotive Industry

VALIDITY OF CERTIFICATE 3 years

CRITERIA FOR EXTENSION

- Proof (e.g. letter from employer, interim certification, self-declaration) of 2 year of professional practice in the field of automotive management within the last 3 years.
- Refresher course for Quality Managers and Auditors with focus on the Automotive industry (RQA-A).