Training Program in Quality Management and Professional Development 2019
“The best language is always the customer’s.”
(Anton Fugger, German merchant, 1493 – 1560)

Dear Readers,

We are living in highly dynamic times: Our world is changing ever faster, and our life and work is becoming ever more complex. Of course, this is also true for the education sector which confronts us as training provider with the question: How should we best respond to the many changing requirements pertaining to – among others – learning behaviour, teaching concepts, trainer competence and new learning media?

In spite of all change, one premise will always remain a constant for us: All our customers shall receive the best possible qualification for their purposes. Whether participants are not at all conversant with the topic of quality or already comprehensively competent, whether they are at the beginning of their professional career or already look back on considerable experience-based knowledge, we want to get everyone on board in our trainings and enable them to succeed in transferring knowledge to practice and, furthermore, to convey to them the joy of lifelong learning.

It is our aspiration to support you in the best possible manner. Thus, we have supplemented proven products into this brochure. In 2019, we will not only make methodical and didactical changes, but also several thematic ones: The first IATF 16949 1st/2nd party auditors, who qualified or re-qualified in 2016, can now refresh their qualification. To this end, we have formulated a special examination to maintain IATF auditor competence (see page 40).

We have also developed a new training for “Product Safety and Conformity Representatives”. This replaces the previous “PSB” training (product safety representative), and is based on the newly published accompanying VDA volume. Apart from the subject of product safety, the important aspect of product conformity is contained. For existing product safety representatives, of course, we have an “upgrade training” with a reduced scope on offer (see page 83).

In parallel, one of our working groups has revised the 8D method. This topic was previously only covered in one chapter in VDA volume 4 (ring binder) and has now become a thematically comprehensive up-to-date separate volume. We have also developed a new qualification concept for our participants (see page 74).

We look forward to welcoming you to our trainings. And we will also gladly be your partner in planning and conducting individual training and qualification activities – geared to your needs.
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In the wake of digitisation the half-life of knowledge keeps declining. In proportion, the importance of extra-occupational professional development is increasing, as, once acquired, qualifications must be continuously maintained. In view of the increasing automation of production and work procedures, as well as service processes and how to deal with customers, with the technologically achievable opportunities of digitisation. Anyone who wants to meet the requirements of flexible work environments not only needs a qualified education, but must continuously update their knowledge and capabilities.

In the wake of digitisation the half-life of knowledge keeps declining. In proportion, the importance of extra-occupational professional development is increasing, as, once acquired, qualifications must be continuously maintained. In view of the increasing automation of production and work procedures, employment perspectives also depend on which competences people possess in order to remain capable of acting in a changing work environment. Furthermore, our demands on learning are changing, as we live in a time of permanent and location-independent access to information.

Professional success is thus increasingly based on capabilities that encourage flexible and analytical handling of information. The transfer of expert knowledge is only one of our tasks. We must put more emphasis on the acquisition of competences: After attending our trainings, our participants should be able to meet new challenges in their organisations and successfully apply their acquired capabilities and competences in their everyday work. Simulations, case studies and independent study of technical issues through group or individual exercises make a significant contribution. We want to apply these methods increasingly in our trainings in order to guarantee the practical orientation of our range of trainings.

“Quality does not come out of thin air, and in a digitised and globalised world comprehensively and highly qualified personnel is more necessary than ever. It is about the continuous process of designing something new and the capability to combine practical knowledge and experience about work and production procedures, as well as service processes and how to deal with customers, with the technologically achievable opportunities of digitisation. Anyone who wants to meet the requirements of flexible work environments not only needs a qualified education, but must continuously update their knowledge and capabilities.”

Your contact:
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Head of Training and Professional Development
What is special about VDA QMC qualifications is that they have mostly been developed in VDA standard working groups. The working groups consist of competent personnel from the quality departments of our VDA member organisations – manufacturers as well as suppliers.

Parameters such as prerequisites for attendance, objectives and scope of the qualification are discussed first and then made mandatory. Then experts formulate and create the training material.

Our product manager is involved in the working groups and represents the interests of our customers: the training participants. After all, the specialists’ ideas must be practicable and affordable. We also exert our influence on comprehensibility and design of the training material and control the standardisation of our VDA examinations.

In this, of course, we depend on our participants’ feedback. So after attending a VDA training, please do not forget to answer the questions about our training material. After all, we want to continuously improve and further develop our product.
Open Trainings

In this brochure, you will find an overview of all VDA trainings and examinations we offer to you or your personnel in Germany. To find the current dates, please also go to our website www.vda-qmc.de/aus-und-weiterbildung.

We would be happy to welcome you to our new training facilities directly in Berlin “Mitte” – on the famous “Gendarmenmarkt”. But we are also available for you in other parts of Germany in selected conference hotels. You can find all our locations for 2019 on the map.

Our trainings have an agreeable maximum number of 12 participants, so there is enough time for an exchange of experiences, and our trainers can answer specific questions. We also provide a pleasant atmosphere and modern conference technology that optimally supports learning and working.

Of course, your physical welfare is also taken care of. Fees include a rich lunch buffet, healthy, tasty snack breaks and unlimited drinks during training hours. You will also benefit from favourable rates for rooms in our partner hotels.

“My objective is optimum qualification for our customers. This also includes competent advice and good service.”

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Gaby Aliaga
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In 2019, we offer VDA trainings and examinations in these cities:

Berlin
Hanover
Dusseldorf
Fulda
Eisenach
Bad Homburg
Eibelstadt
Ulm

Your contact:
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“I combine quality with accuracy and attention to detail.”
Inhouse Trainings

"Individual, comprehensive advice and support are first priority for me. And my customers profit especially from my experience."

Inhouse trainings are training-on-the-job activities for your personnel. In the framework of personnel development, your employees are trained in your organisation by our trainers on the current standard of quality management. The competence of your personnel is expanded and thus sustainably ensures the success of your organisation. So upon request, all VDA trainings and examinations can be conducted as inhouse events. We are pleased to advise you in detail and make you an offer that is geared to your wishes and requirements. We will guide you through planning, conducting and follow-up of the training. Close co-ordination with our trainers guarantees optimum quality, practical relevance and a positive learning effect.

Profit from efficiency, flexibility and practical approach of inhouse trainings:

You are largely free to choose your date for inhouse training, so that it fits in with your operational structures. The everyday working life of your personnel can thus be best taken into account. There are no long distances to be covered to training locations. Also, there are no travelling and overnight expenses for your personnel involved, so you only pay the costs for the trainer.

Inhouse trainings qualify the employees of your organisation simultaneously to a uniform level of knowledge. Cross-divisional and inter-departmental groups strengthen cooperation and promote internal communication.

Against the background of the actual work environment, examples and questions can be discussed in safe surroundings. Sensitive information, even controversial discussions, remain in the safe environment of your own organisation. This leads to an intense exchange among the participants which promotes the transfer of the training issues into practice.
Team Assistance

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alscher@vda-qmc.de

“I think it’s great to hear from our participants, trainers and guests that our work is well organised, that everyone is satisfied, will gladly come back again and also recommend the VDA to their colleagues. I aspire to manage my tasks so that everything runs smoothly. And if something does go wrong, I also have a plan B handy.

My objective is also to support colleagues and customers in the best possible way and to do their groundwork so reliably that they can concentrate wholly on their specialist subjects. You could also say that I am a team player, like to keep track of everything and not lose it. In the end, the best possible result is achieved for all.”
International Training License Partners

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“It is my task to bridge worlds.”

Thanks to our license partners we can offer our VDA trainings and examinations worldwide in all locations relevant to the automotive industry – in the respective language and at common regional prices. Tell us what you need, and we will be happy to put you in touch with our competent contacts on site.

Our Branches in Russia and China

OOO “VDA-QMC Rus”
Moscow, Russia
www.vda-qmc.ru

VDA QMC Quality Management Center (Beijing) Co., Ltd.
Beijing, China
www.vdachina.com.cn

VDA QMC Quality Management Center (Shanghai) Co. Ltd.
Shanghai, China
www.vdachina.com.cn

License Partners in Germany

bfk ingenieure GbR
Nuremberg
www.bfk-ingenieure.de

Deutsche Gesellschaft für Qualität (DGQ)
Frankfurt on the Main
www.dgq.de

EnconAcademy
Wildau
www.encona.academy

Fit for Quality GmbH
Ratingen
www.fit-for-quality.de

GAB Europe GmbH
Neuss
www.gab-europe.de

Management Automotive
Wolfgang Riering
Rheine
www.qualitaetsmanagement-riering.de

MP-BusinessManagement GmbH
Aschaffenburg
www.mp-bm.com

TopQM-Systems GmbH & Co. KG
Schefflenz
www.topqm.de

TQI Innovationszentrum
Gosheim
www.tqi.de

TQM Training & Consulting
Heilbronn
www.tqm.com

TQU Akademie
Ulm
www.tquakademie.com

TÜV SÜD Akademie GmbH
Munich
www.tuev-sued.de/akademie_de

License Partners in America

AIAG – Automotive Industry Action Group
Southfield, MI, USA
www.aiag.org

EnconAcademy LLC
Macomb, MI, USA
www.enconacademy.com

German Automotive Business Corporation
Miami, FL, USA
www.gab-corporation.com

TopQM-Systems North America LLC
Anderson, SC, USA
www.topqm.us

IQA – Instituto da Qualidade Automotiva
São Paulo, Brazil
www.iqa.org.br

QMC – Quality & Manufacturing Consulting, S.C.
Aguascalientes, Mexico
www.qmc.mx

Volkswagen Group Academy Mexico
Puebla, Mexico
www.vwi.com.mx
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nurislamova@vda-qmc.de

“I serve license partners in 40 different countries, that never gets boring! I am focussed on a combination of high professionalism and trusting cooperation.”

License Partners in Africa
EnconAcademy (PTY) Ltd.
East London, South Africa
www.encona.academy

Euro-Symbiose
Casablanca, Morocco
www.euro-symbiose.fr

License Partners in Europe
ANFIA Service S.r.l.
Turin, Italy
www.anfia.it

bfk management consulting
Timisoara, Romania
www.bfk.ro

Czech Society for Quality
Prague, Czech Republic
www.csq.cz

Euro-Symbiose
Carquefou, France
www.euro-symbiose.fr

mbt Danismanlik
Ankara, Turkey
www.mbtdanismanlik.com

ÖQA Zertifizierungs-GmbH
Vienna, Austria
www.qualityaustria.com/oeqa_vda_training

QFD Engineering Consulting Ltd.
Dunaharaszt, Hungary
www.qfd.hu

Operational Consulting,
Setubal, Portugal · www.operational.pt

RH OPCO Academia, Lda
Quinta do Conde, Portugal · www.opco.pt

SC Werner Seeger Qualitätsmanagement
Romania S.r.l.
Cisnadioara/Michelsberg,
Romania · www.seeger-quality.ro

SEG-Bidea, S.L.
Barcelona, Spain · www.segb.es

SERNAUTO
Madrid, Spain · www.sernauto.es

SMMT IF
Birmingham, United Kingdom
www.industryforum.co.uk

Team Prevent Bulgaria Ltd.
Sofia, Bulgaria · www.teamprevent.bg

Team Prevent Poland SP.z.o.o.
Pozczyna, Poland · www.teamprevent.pl

Team Suprema-Ukraine Ltd.
Chernigiv, Ukraine
www.teamsuprema.com

TQM Slovakia s.r.o.
Banská Bystrica, Slovakia
www.tqmslovakia.sk

TQU Akademie
Winterthur, Switzerland
www.tquakademie.ch

WEDEAQ Scandinavia AB
Katrineholm, Sweden
www.wedeaq.se

License Partners in Asia
Chu San Ren
Nagoya, Japan
www.chusanren.or.jp

German Automotive Business Corporation (Asia) Ltd.
Bangkok, Thailand
www.gab-corporation.com

kfq - Korean Foundation for Quality
Seoul, Korea
www.kfq.kr

TÜV SÜD South Asia
Mumbai, India
www.tuv-sud.in
E-Learning

Digital forms of learning help to make professional development and qualification more attractive, and are acquiring greater importance in Industry 4.0.

For some years already, the VDA QMC has had e-learning on offer – meaning computer-based learning programmes that can be accessed flexibly and do not require direct contact with teaching personnel. The users only need internet access. Of course this option for students to determine the place and the time of their e-learning themselves makes it easier to combine profession and further education in the framework of lifelong learning.

But technology should not be an end in itself. So we make a point of only offering expert knowledge as e-learning that you can acquire from self-study. Complex subjects, where practical examples and the experience of our trainers are essential for the transfer of knowledge, will always be taught as classroom training. With this “blended learning” approach we combine the advantages of both types of learning.

Demo versions of our e-learning are available at www.vda-qmc-learning.de
The VDA QMC has the following topics on offer as e-learning.

**ID 115 · Quality Management Basics**

This basic knowledge is an absolute must for any beginner in quality management, and even offers something new for experienced quality managers (see page 20)!

**ID 603 · Maturity Level Assurance for New Parts**

Have the traffic lights turned green? Learn about the concept for cooperation and communication for joint quality management in the supply chain (see page 78).

**Fee for E-Learning**

250,- EUR plus VAT

After registration, participants will receive an access code which is valid up to four weeks after the first log-in and then will expire.

The duration of E-Leaning varies, depending on your previous knowledge and learning speed.
Basic Qualification for Quality Management and Auditors

Our basic qualification trainings have been developed for your first steps into the extensive issues of "quality management in the automotive industry", and they teach prospective auditors the necessary expertise – in the sector-specific and in the area of soft skills.

The standard ISO 19011 is still considered a solid foundation for the subject of auditing, and it is the focus of our VDA auditor qualification. This training enables you to conduct audits and gives you the necessary tools to be successful and competent as an auditor in the automotive industry.

The series of trainings for VDA quality manager and internal auditor, on the other hand, teaches the sector-specific aspects of quality work in the automotive industry. Due to the modular structure, the specific knowledge components are taught in compact learning units that can be booked individually or as one-week trainings.
VDA Auditor Qualification

VDA Quality Manager and Internal Auditor

- Module I: Quality Management Basics
- Module II: Automotive-Specific Processes, Methods and Tools
- Examination for VDA QM Representative
- Module III: Measuring, Assessing and Improving
- Module IV: Auditor in the Automotive Industry
- Examination for VDA Quality Manager and Internal Auditor
Basic Qualifications for VDA Auditors and VDA Quality Managers and Internal Auditors

Qualification for VDA Auditor (VDA Auditor Qualification)

Prerequisites for qualification

- Experience with and basic knowledge of quality tools and methods

3 days: Qualification for VDA Auditor ID 104

Certificate of Qualification

Qualification for VDA Quality Manager and Internal Auditor

Prerequisites for qualification

- Technical and/or economical education
- Experience in the automotive industry
- Personal characteristics according to ISO 19011

Module I

- 3 Days: Quality Management Basics ID 111

or

- E-Learning ID 115

alternatively

Module II

- 3 Days: Automotive-Specific Processes, Methods and Tools ID 112

optional

- 1 Day: Examination for VDA QM Representative ID 150

Certificate + ID Card + Database Entry

Module III

- 3 Days: Measuring, Evaluating and Improving ID 113

Module IV

- 3 Days: Auditor in the Automotive Industry ID 114

alternatively

- 1 Day: Examination for VDA Quality Manager and Internal Auditor ID 151

Certificate + ID Card + Database Entry

Source: VDA QMC
Qualification for VDA Auditor

Background and Topics

In order to be able to conduct targeted and constructive audits, you need factual expertise as well as tact for widely differing audit situations and interview partners. This requires a large measure of social competence over and beyond the mastery of audit methods.

This is where VDA Auditor Qualification begins: In this three-day training, the basics and methods for conducting audits are taught. These can be applied in your internal organisation as well as in the supply chain on the basis of requirements from the certified QM system of your organisation or customer-specific requirements.

Target Audience

This training is for automotive QM personnel tasked with conducting QM system audits or process audits within their organisation (internally) or within the supply chain (externally). Auditors and personnel from certification bodies who are involved in the certification process.

Objectives

The focus is set on teaching communication competence and expert knowledge which enable the auditor to master the relationships and necessary sequences in an audit and apply them correctly with regard to interpersonal interactions. All the relevant points of DIN EN ISO 19011 (Guideline for Auditing Management Systems) are dealt with, and the main terms and definitions are explained and applied. The participants get to know the audit process and the various phases of an audit interview. The topic of conversation techniques comprises communication basics as well as elements of body language, interviewing techniques and personality models as applied to an audit interview.

Concept and Methods

Technical and methodical competence is supplemented by a preceding e-learning module which teaches the participants aspects of communication and interviewing techniques, as well as the basics of psychology with respect to human interactions. These topics are taken up during the training and transferred to the audit situation with the aid of examples and targeted exercises. An audit simulation is a special highlight during the training, during which the participants contribute their knowledge from various areas and translate it into practice. Using a case study, the central tasks of audit preparation, conducting and follow-up are practiced.

Prerequisites for Attendance

Participants should have experience with and basic knowledge of quality tools and methods.

Certificate of Qualification

After passing the test, the participants will receive a certificate of qualification.

Supplementary Material

VDA QMC standards collection
DIN EN ISO 9000, 9001, 9004 and 19011
ID 111 · VDA Quality Manager and Internal Auditor
Module I: Quality Management Basics

Background and Topics

The introduction of a systematic quality management system highlights procedures and opportunities for improvement in an organisation and aims to improve the product, make processes more efficient and thus ensure sustainable customer satisfaction. Quality manager are responsible for the implementation of and compliance with a successful QM system. For this they need to have knowledge about the relevant quality standards and about quality management tools and methods.

This three-day training presents the basics for getting started in the comprehensive subject of quality management.

Concept and Methods

During this training, technical lectures and exercises alternate in order to support the transfer of the topics into the participants’ own work practice with a particular focus on exchanging experiences between participants and the trainer.

Prerequisites for Attendance

Participants should have a technical or economical education and automotive experience.

Certificate of Qualification

After passing the test the participants will receive a certificate of qualification.

Supplementary Material

VDA QMC standards collection
DIN EN ISO 9000, 9001, 9004 and 19011

E-Learning

This training course is also available as E-Learning for 250.00 EUR plus VAT. A demo versions is available at www.vda-qmc-learning.de.

Target Audience

This training is for automotive industry specialists and executives in quality management who want to take over quality management responsibilities or would like to assess the internal QM system or that of suppliers (1st/2nd party audits); project leaders and staff members involved in improvement projects.

Objectives

In this course, the participants learn about the structure and further development of management systems in the automotive sector considering customer-specific requirements. They develop the competence to optimise the QM system and the continuous workflows in their company in order to contribute to quality-oriented corporate change. The participants are introduced to the ISO 9001 standards, and learn about the importance of process organisation and process management. Internal audits, the audit process and the contents of ISO 19011 are dealt with, and management system documentation, quality reports as well as legal aspects of the QM system are explained.
ID 112 · VDA Quality Manager and Internal Auditor
Module II: Automotive-Specific Processes, Methods and Tools

Background and Topics
The introduction of a systematic quality management system highlights procedures and opportunities for improvement in an organisation and aims to improve the product, make processes more efficient and thus ensure sustainable customer satisfaction. Quality manager are responsible for the implementation of and compliance with a successful QM system. For this they need to have knowledge about the relevant quality standards and about quality management tools and methods.

After the participants have acquired a solid basic knowledge in the first module “Quality Management Basics”, this three-day training deals with the selection and application of quality and automotive-specific procedures and tools.

Target Audience
This training is geared at specialists who want to further develop their own or their suppliers’ sphere of action by applying automotive standards and systematic methods.

Objectives
The participants receive a comprehensive overview of successful selection of methods. The fields of application of established automotive quality tools and methods are discussed, in order to find sustainable solutions to existing and future problems quickly, systematically and sustainably.

Specifically, the 7 tools, quality costs, DFMA, Design of Experiments (DoE), FMEA, FTA, TRIZ/TIPS, QFD and Automotive SPICE® are covered, as well as Maturity Level Assurance for New Parts, Production Process and Product Approval (PPF) according to VDA 2, the robust production process, the 8D report as a standardised complaints process and the main steps of Field Failure Analysis are explained.

Concept and Methods
During this training, technical lectures and exercises alternate in order to support the transfer of the topics into the participants’ own work practice with a particular focus on exchanging experiences between participants and the trainer.

Prerequisites for Attendance
Participants should have a technical or economical education and automotive experience.

Certificate of Qualification
After passing the test the participants will receive a certificate of qualification.
Background and Topics

The introduction of a systematic quality management system highlights procedures and opportunities for improvement in an organisation and aims to improve the product, make processes more efficient and thus ensure sustainable customer satisfaction. Quality manager are responsible for the implementation of and compliance with a successful QM system. For this they need to have knowledge about the relevant quality standards and about quality management tools and methods.

This offer is specifically for people who want to qualify for VDA QM representative within the shortest possible time. In our selected hotels, the participants can concentrate on the subject in quietude during the training and take the respective examination.

Target Audience

This training is for automotive industry specialists and executives in quality management who want to take over quality management responsibilities or would like to assess their internal QM system or that of suppliers (1st/2nd party audits), and/or want to further develop their own or their suppliers’ sphere of action by applying automotive standards and systematic methods; project leaders and staff members involved in improvement projects.

Objectives

In this course, the participants learn about the structure and further development of management systems in the automotive sector considering customer-specific requirements. They develop the competence to optimise the QM system and the continuous workflows in their company in order to contribute to quality-oriented corporate change. The participants are introduced to the ISO 9001 standards and learn about the importance of process organisation and process management. Internal audits, the audit process and the contents of ISO 19011 are dealt with, and management system documentation, quality reports as well as legal aspects of the QM system are explained.

The participants receive a comprehensive overview of successful selection of methods. The fields of application of established automotive quality tools and methods are discussed in order to find sustainable solutions to existing and future problems quickly, systematically and sustainably.

Specifically, the 7 tools, quality costs, DFMA, Design of Experiments (DoE), FMEA, FTA, TRIZ/TIPS, QFD and Automotive SPICE® are covered, as well as Maturity Level Assurance for NEW Parts, Production Process and Product Approval (PPF) according to VDA 2, the robust production process, the 8D report as standardised complaints process and the main steps of Field Failure Analysis are explained.

VDA QM Representatives are knowledgeable about the structure and further development of automotive QM systems, the standards family ISO 9001 and can optimise the continuous procedures in their own organisation in order to contribute to quality-driven organisational change. They have a comprehensive overview of successful selection of methods and the fields of application of established automotive quality tool and methods, in order to find sustainable solutions to existing and future problems quickly, systematically and sustainably.
Concept and Methods

During this training, technical lectures and exercises alternate in order to support the transfer of the topics into the participants’ own work practice with a particular focus on exchanging experiences between participants and the trainer.

On the examination day, the participants are given a written examination with 40 questions, of which at least 70% must be answered correctly. Furthermore, prospective VDA QM representatives must pass an oral examination consisting of 30 minutes preparation time and a twenty-minute interview with two examiners. For preparation, the training material handed out during VDA trainings (incl. standards) are admitted and must be brought along on the examination day.

Prerequisites for Attendance

Participants should have a technical or economical education and automotive experience.

Certificate and Card

After passing the examination, participants will receive a VDA certificate with a registered number in connection with a VDA QM representative card and VDA QMC database entry.

Supplementary Material

VDA QMC standards collection
DIN EN ISO 9000, 9001, 9004 and 19011
Background and Topics

The introduction of a systematic quality management system highlights procedures and opportunities for improvement in an organisation and aims to improve the product, make processes more efficient and thus ensure sustainable customer satisfaction. Quality managers are responsible for the implementation of and compliance with a successful QM system. For this they need to have knowledge about the relevant quality standards and about quality management tools and methods.

After the participants have concluded the first two modules “Quality Management Basics” and “Automotive-Specific Processes, Methods and Tools”, they can demonstrate their knowledge in the examination for VDA QM Representative.

Target Audience

This examination is only for participants of the first two modules of our qualification for VDA Quality Manager and Internal Auditor.

Objectives

VDA QM Representatives understand the structure and further development of automotive QM systems, the standards family ISO 9001 and can optimise the continuous procedures in their own organisation in order to contribute to quality-driven organisational change. They have an overview of established automotive quality tools and methods in order to find sustainable solutions to existing and future problems quickly, systematically and sustainably.

Concept and Methods

On the examination day, the participants are given a written examination with 40 questions, of which at least 70% must be answered correctly. Furthermore, prospective VDA QM representatives must pass an oral examination consisting of 30 minutes preparation time and a twenty-minute interview with two examiners. For preparation, the training material handed out during VDA trainings (incl. standards) are admitted and must be brought along on the examination day.

Prerequisites for Attendance

Participants should have attended the first two modules of the basic qualification for VDA Quality Manager and Internal Auditor.

Certificate and Card

After passing the examination, participants will receive a VDA certificate with a registered number in connection with a VDA QM representative card and VDA QMC database entry.
Background and Topics

The introduction of a systematic quality management system highlights procedures and opportunities for improvement in an organisation and aims to improve the product, make processes more efficient and thus ensure sustainable customer satisfaction. Quality managers are responsible for the implementation of and compliance with a successful QM system. For this they need to have knowledge about the relevant quality standards and about quality management tools and methods.

During this three-day training, the participants can extend their statistical knowledge, so that based on well-founded knowledge they are able to analyse and evaluate results.

Target Audience

This training is for specialists and executives from all areas, quality specialists, quality representatives as well as project managers and personnel in improvement projects.

Objectives

The focus is on teaching specialist knowledge with which to align and evaluate processes for effectiveness and efficiency. Furthermore, the participants develop the competence to make decisions based on statistical data.

We teach the basics of quantitative and qualitative characteristics as well as continuous distributions, and how to identify statistical parameters. Calculation examples are given for various distributions (total range of variation), and capable production processes (capability indices), and process control with quality control charts are discussed. Inspection process suitability according to VDA 5 and measurement systems analysis (MSA) are also referred to.

Concept and Methods

During this training, technical lectures and exercises alternate in order to support the transfer of the topics into the participants’ own work practice with a particular focus on exchanging experiences between participants and the trainer. The participants should bring a pocket calculator with statistical functions to the training in order to work on the exercises.

Prerequisites for Attendance

Participants should have a technical or economical education and automotive experience.

Certificate of Qualification

After passing the test the participants will receive a certificate of qualification.
Background and Topics

The introduction of a systematic quality management system highlights procedures and opportunities for improvement in an organisation and aims to improve the product, make processes more efficient and thus ensure sustainable customer satisfaction. Quality manager are responsible for the implementation of and compliance with a successful QM system. For this they need to have knowledge about the relevant quality standards and about quality management tools and methods.

Topics in this three-day training are the ISO 9001 basics and ISO 19011 requirements, as well as how to use a process approach to planning and conducting internal audits. It is demonstrated how to plan and deploy management systems with the PDCA approach and how to evaluate the results accordingly. The participants learn interviewing techniques with which to motivate their audit partners.

Target Audience

This training is for specialists and executives from all areas, quality specialists, quality representatives as well as project managers and personnel in improvement projects.

Objectives

Participants are taught how to draw up and manage audit programmes, how to plan and conduct internal audits, and how to assess and report audit findings. A further objective of this training is to learn about interviewing techniques that can be specifically applied to audits. The structure and contents of the ISO 9001 and the qualification criteria for auditors (ISO 19011) are explained.

Concept and Methods

During this training, technical lectures and exercises alternate in order to support the transfer of the topics into the participants’ own work practice with a particular focus on exchanging experiences between participants and the trainer. There is also an audit simulation, during which the participants are professionally coached.

Prerequisites for Attendance

Participants should have a technical or economical education and automotive experience as well as the personal characteristics according to ISO 19011.

Certificate of Qualification

After passing the test the participants will receive a certificate of qualification.
Background and Topics

The introduction of a systematic quality management system highlights procedures and opportunities for improvement in an organisation and aims to improve the product, make processes more efficient and thus ensure sustainable customer satisfaction. Quality managers are responsible for the implementation of and compliance with a successful QM system. For this they need to have knowledge about the relevant quality standards and about quality management tools and methods.

After the participants have completed the first four modules “Quality Management Basics”, “Automotive-Specific Processes, Methods and Tools”, “Measuring, Assessing and Improving” und “Auditor in Automotive Industry”, they can document their profound know-how by sitting the examination for VDA Quality Manager and Internal Auditor and receive a certificate and the respective auditor card.

Concept and Methods

On the examination day, the participants are given a written examination with 40 questions, of which at least 70% must be answered correctly. Furthermore, they must pass an oral examination consisting of 30 minutes preparation time and a twenty-minute interview with two examiners. For preparation, the training material handed out during VDA trainings (incl. standards) are admitted, and these must be brought along on the examination day.

Prerequisites for Attendance

Participants must have completed Modules I to IV of the qualification VDA Quality Manager and Internal Auditor.

Certificate and Auditor Card

After passing the examination, participants will receive a certificate with a registered number in combination with an auditor card and VDA QMC database entry.

Objectives

VDA Quality Managers are competent to introduce, maintain and further develop a quality management system on the basis of the ISO 9000 family of standards. They know how to analyse and improve organisational processes. They are able to analyse and assess data and use it as basis for decisions. They are well versed in applying the usual tools and statistical quality management methods. Furthermore, they have methods and techniques at their disposal in order to conduct and follow up audits in a professional manner and manage audit programmes.
Background and Topics

The introduction of a systematic quality management system highlights procedures and opportunities for improvement in an organisation and aims to improve the product, make processes more efficient and thus ensure sustainable customer satisfaction. Quality managers are responsible for the implementation of and compliance with a successful QM system. For this they need to have knowledge about the relevant quality standards and quality management tools and methods.

This one-week training is the optimum supplement for all successful participants of the training “Qualification for VDA QM Representative”. The six training days in our selected conference hotels enable concentrated learning and lead to the examination for VDA quality manager and internal auditor.

Target Audience

This qualification is for specialists and executives from all areas, quality specialists, quality representatives as well as project managers and personnel in improvement projects, who have already completed the previous modules I (Quality Management Basics) and II (Automotive-Specific Processes, Methods and Tools) and / or Qualification for VDA QM Representative.

Objectives

The focus is on teaching specialist knowledge with which to align and evaluate processes for effectiveness and efficiency. Furthermore, the participants develop the competence to make decisions based on statistical data.

They learn the basics of quantitative and qualitative characteristics as well as continuous distributions, and how to identify statistical parameters. Calculation examples are given for various distributions (total range of variation), and capable production processes (capability indices) and process control with quality control charts are discussed. The issues of inspection process suitability according to VDA 5 and measurement systems analysis (MSA) are also referred to. They are acquainted with the basics of quantitative and qualitative characteristics as well as discrete and continuous distributions, and learn how to determine statistical parameters.

Participants are taught how to draw up and manage audit programmes, how to plan and conduct internal audits, and how to assess and report audit findings. A further objective of this training is to learn interviewing techniques that can be specifically applied to audits. The structure and contents of the ISO 9001 and the qualification criteria for auditors (ISO 19011) are explained.

VDA Quality Managers are competent to introduce, maintain and further develop a quality management system on the basis of the ISO 9000 family of standards. They know how to analyse and improve organisational processes. They are able to analyse and assess quality data and use them as basis for decisions. They are well versed in applying the usual tools and statistical quality management methods. Furthermore, they have methods and techniques at their disposal in order to conduct and follow up audits in a professional manner and manage audit programmes.
Concept and Methods

During this training, technical lectures and exercises alternate in order to support the transfer of the topics into the participants’ own work practice with a particular focus on exchanging experiences between participants and the trainer.

The participants should bring a pocket calculator with statistical functions to the training in order to work on the exercises. An audit simulation takes place with professional coaching for the participants.

On the examination day, the participants are given a written examination with 40 questions, of which at least 70% must be answered correctly. Furthermore, prospective VDA QM representatives must pass an oral examination consisting of 30 minutes preparation time and a twenty-minute interview with two examiners. For preparation, the training material handed out during VDA trainings (incl. standards) are admitted, and these must be brought along on the examination day.

Prerequisites for Attendance

Participants must have completed Modules I to IV of the Qualification for VDA Quality Manager and Internal Auditor. Additionally, participants should have a technical and/or economical education and automotive experience, as well as the personal characteristics according to ISO 19011 (Clause 7.2).

Certificate and Auditor Card

After passing the examination, participants will receive a certificate with a registered number in combination with an auditor card and VDA QMC database entry.
Qualification for IATF 16949 Auditors

IATF 16949 is without doubt the standard accepted worldwide for quality management systems in the automotive industry. Beyond the sector-neutral ISO 9001:2015 requirements for QM systems, IATF 16949 defines the specific automotive requirements in our sector. Certification to IATF 16949 counts as the fundamental prerequisite for being included into the supply chain of the automotive industry.

In the trainings we offer, we teach the relevant target audiences the knowledge necessary for practice. By passing our specific VDA exams, competence is confirmed by a neutral body.
• IATF 16949 for Executives
• IATF 16949 – Implementation within the Organisation
• IATF 16949 – Qualification for 1st/2nd Party Auditor
• IATF 16949 – Examination Preparation for 1st/2nd Party Auditors 16949 – Core Tools
• IATF 16949 – Examination for 1st/2nd Party Auditor
• IATF 16949 – NEW · Examination for Re-Qualification for 1st / 2nd Party Auditors
• IATF 16949 – NEW · Training for Re-Qualification for 1st / 2nd Party Auditors
• IATF 16949 – Qualification for 3rd Party Auditor
IATF 16949 - Qualification for 1st/2nd Party Auditors

Initial Qualification

**Prerequisites for qualification**
- Auditor qualification as internal auditor for ISO 9001:2015
- Minimum of 3 complete internal or external system audits to ISO 9001 in the past 3 years
- At least 2 years appropriate practical experience in an organisation in the automotive industry

**Certificate + Auditor Card + Database Entry**

- 3 days: Qualification for 1st/2nd Party Auditors ID 211
- 1 day: Examination Preparation for 1st/2nd Party Auditors – Core Tools ID 212
- 1 day: Examination for 1st/2nd Party Auditor ID 250

**Re-qualification**

**Certificate 1st/2nd party auditor IATF 16949**

**Prerequisites for re-qualification**
- At least 3 complete IATF 16949 (ISO/TS also applicable) 1st/2nd party audits in the last 3 years
- Less than 3 complete IATF 16949 (ISO/TS also applicable) 1st/2nd party audits in the last 3 years
- At least 3 complete IATF 16949 (ISO/TS also applicable) 1st/2nd party audits in the last 3 years
- Less than 3 complete IATF 16949 (ISO/TS also applicable) 1st/2nd party audits in the last 3 years

**Certificate + Auditor Card + Database Entry**

- 1 day: Training for re-qualification for 1st/2nd Party Auditors ID 240
- 3 days: Qualification for 1st/2nd Party Auditors ID 211
- 1 day: Examination for Re-qualification of 1st/2nd Party Auditors ID 255

Source: VDA QMC
ID 202 · IATF 16949 for Executives

Background and Topics

Conformity with IATF 16949 is the condition for acceptance into the automotive manufacturers’ list of suppliers. This also includes top management’s willingness to take active and personal responsibility for quality: All executives and process owners in an organisation must fulfil their obligations as regards quality, according to the new body of rules.

In this one-day training, executives must deal openly with the standard’s requirements and its respective opportunities. Participants receive the necessary specialist knowledge for their professional practice and information on how to implement it in their organisation.

Target Audience

This training is for responsible personnel (chief executives, plant managers and executives) from all areas such as manufacture, development, purchasing, etc., who are not auditors.

Objectives

The focus is on presenting specialist knowledge that enables the participants to implement the executive responsibilities required by IATF 16949 in their organisations. First, the topics of process management and automotive process approach are dealt with. The participants get to know the structure and contents of IATF 16949 and ISO 9001, are acquainted with the requirements from both standards that pertain to top management. Additionally, they are provided an insight into the IATF certification rules, and can get answers to their questions about how to implement a QM system.

Concept and Methods

Technical lectures, discussions and exchange of experiences alternate throughout the training.

Certificate of Attendance

At the end you will receive a certificate of attendance.

Supplementary Material

QM system standard IATF 16949
VDA QMC standards collection
DIN EN ISO 9000, 9001, 9004 and 19011
ID 203 · IATF 16949 – Implementation within the Organisation

Background and Topics
Conformity with IATF 16949 is the condition for acceptance into the automotive manufacturers’ list of suppliers. In preparation for certification, those responsible in an organisation must come to grips with the concrete implementation of requirements.

In this two-day training, the participants get to know the requirements of the two standards IATF 16949 and ISO 9001, receive information how to interpret them and what they must actually do to implement these requirements successfully in their organisation.

Certificate of Qualification
After passing the test the participants will receive a certificate of qualification.

Supplementary Material
QM system standard IATF 16949
VDA QMC standards collection
DIN EN ISO 9000, 9001, 9004 and 19011

Target Audience
This training is for automotive supplier personnel involved in planning and approach to IATF 16949 certification in their organisation.

Objectives
In this training, the participants receive know-how as well as coaching for an upcoming IATF certification of their organisation. They are provided with insights into IATF 16949 and ISO 9001 requirements, as well as the IATF certification rules.

Concept and Methods
During this training, technical lectures and exercises alternate in order to support the transfer of the topics into the participants’ own work practice with a particular focus on exchanging experiences between participants and the trainer.
Background and Topics

Conformity with IATF 16949 is the condition for acceptance into the automotive manufacturers’ list of suppliers. In preparation for certification, those responsible in an organisation must come to grips with the concrete implementation of requirements.

IATF 16949 auditors’ competence is of decisive importance: on the one hand, because they have to implement the IATF 16949 requirements in their own organisation in a focussed manner and evaluate the effectiveness of quality management actions. On the other hand, so they can review their suppliers as to whether their QM system complies with IATF 16949.

In this three-day training, the participants get to know the requirements of the two standards IATF 16949 and ISO 9001, receive information how to interpret them and what they must actually do to implement these requirements successfully in their organisation.

Concept and Methods

The alternation between technical lectures, individual, group and case study exercises makes it possible to expand and apply IATF 16949 and ISO 9001 knowledge in appropriate learning steps.

Prerequisites for Attendance

In order to attend this training, knowledge and practical experience in implementing and maintaining management systems will be useful. Additionally, participants should already possess the VDA auditor qualification and experience in preparing and conducting audits (see graphical representation on p.32).

Target Audience

This qualification has been developed for QM managers and QM personnel, or internal / external system auditors with ISO 9001 knowledge and automotive auditing experience.

Objectives

The focus is on presenting specialist knowledge that enables participants to conduct 1st / 2nd party audits according to IATF 16949 requirements. First, the topics of process management and automotive process approach are dealt with. The participants get to know the main contents of ISO 19011 as well as the structure and contents of IATF 16949 and its requirements, including ISO 9001. Additionally, they are provided an insight into the IATF certification rules.

Supplementary Material

QM system standard IATF 16949
VDA QMC standards collection
DIN EN ISO 9000, 9001, 9004 and 19011

Certificate of Qualification

After passing the test, the participants will receive a certificate of qualification.
Background and Topics

Conformity with IATF 16949 is the condition for acceptance into the automotive manufacturers’ list of suppliers. In preparation for certification, those responsible in an organisation must come to grips with the concrete implementation of requirements.

IATF 16949 auditors’ competence is of decisive importance: on the one hand, because they have to implement the IATF 16949 requirements in their own organisation in a focussed manner and evaluate the effectiveness of quality management actions. On the other hand, so they can review their suppliers as to whether their QM system complies with IATF 16949.

In auditing, knowledge of the Core Tools is essential in order to correctly identify and assess risks and deviations from the specifications. In this one-day training, the participants receive an introduction and exercises on the Core Tools, giving them the opportunity to apply thus knowledge to the examination for IATF 16949 1st / 2nd party auditor and in their occupational routine.

Target Audience

This training is geared to prospective 1st / 2nd party auditors IATF 16949 who want to prepare for IATF 16949 – Examination for 1st / 2nd party auditor.

Objectives

The participants are taught specialist knowledge about the structure and preparation of failure mode and effects analyses (FMEA). Furthermore, the topics of statistical process control (SPC 1), quality control charts (SPC 2) and machine and process capabilities (SPC 3) are presented. Additionally, the participants are introduced to test process suitability according to VDA 5 and basic knowledge about measurement system analysis (MSA).

Concept and Methods

Technical lectures, discussions and exchange of experiences alternate during the training.

Prerequisites for Attendance

A basic knowledge of IATF 16949 and ISO 9001 requirements as well as practical experience in applying automotive methods are necessary for this training.

Supplementary Material

Chapter FMEA from the VDA Ring Binder Volume 4
Chapter SPC from the VDA Ring Binder Volume 4
VDA Volume 5

Certificate of Attendance

At the end, participants will receive a certificate of attendance.
Background and Topics

Conformity with IATF 16949 is the condition for acceptance into the automotive manufacturers’ list of suppliers. In preparation for certification, those responsible in an organisation must come to grips with the concrete implementation of requirements.

IATF 16949 auditors’ competence is of decisive importance: on the one hand, because they have to implement the IATF 16949 requirements in their own organisation in a focused manner and evaluate the effectiveness of quality management actions. On the other hand, so they can review their suppliers as to whether their QM system complies with IATF 16949.

The examination for certified 1st / 2nd party auditor IATF 16949 offers participants a level of qualification comparable to a 3rd party auditor. In this form, the certificate awarded upon passing the examination is issued exclusively by the IATF member VDA QMC or by one of our approved licensed partners. The examination subject matter is drawn from the topics dealt with during the training, the IATF 16949 requirements and in individual cases the customer-specific requirements of the OEMs.

Target Audience

The examination is exclusively for prospective 1st / 2nd party auditors of IATF 16949 who have attended the qualification training and whose application for admission has been approved by the VDA QMC or by a licensed training partner.

Objectives

1st / 2nd party auditors IATF 16949 are able to conduct internal and external system audits on their own. The examination and the accompanying certificate independently confirm their knowledge. Additionally, the certificate provides evidence of current and valid qualification in order to meet customer or supplier requirements with regard to IATF 16949 auditor competence.

Concept and Methods

On the examination day, you are given an examination paper with 40 questions, of which at least 70% must be answered correctly. Furthermore, prospective IATF 16949 1st / 2nd party auditors must pass an oral examination in which they identify risks / nonconformities from a scenario and match these with the requirements of IATF 16949 and ISO 9001. For preparation the training material (including standards) handed out during VDA trainings are admissible and must be brought along on the examination day.

Prerequisites for Attendance

Admission to the examination will be granted after a successful review of your application. Prerequisites are an auditor qualification for internal auditor ISO 9001:2015, at least three complete internal ISO 9001 system audits within the past three years, at least two years’ appropriate fulltime practical automotive experience and the successful completion of the training ID 211 “IATF 16949 – Qualification for 1st / 2nd Party Auditor” (see graphical representation on p.32).

Certificate and Auditor Card

After passing the examination, you will receive a certificate with registered numbering in connection with an auditor card as well as a corresponding VDA QMC database entry.

Application necessary on www.vda-qmc.de under “Training and Professional Development” / “Application forms”
Background and Topics

Conformity with IATF 16949 is the condition for acceptance into the automotive manufacturers’ list of suppliers. In preparation for certification, those responsible in an organisation must come to grips with the concrete implementation of requirements.

IATF 16949 auditors’ competence is of decisive importance: on the one hand, because they have to implement the IATF 16949 requirements in their own organisation in a focussed manner and evaluate the effectiveness of quality management actions. On the other hand, so they can review their suppliers as to whether their QM system complies with IATF 16949.

This one-week training makes it possible to achieve qualification for 1st / 2nd party auditor IATF 16949 within five days. The quiet atmosphere of the selected conference hotels creates the ideal framework for examination preparation.

Target Audience

This qualification has been developed for QM managers and / or QM personnel, or internal system auditors with ISO 9001 knowledge and automotive auditing experience.

Objectives

The focus is on presenting specialist knowledge that enables the participants to conduct 1st / 2nd party audits according to IATF 16949 requirements. First, the topics of process management and automotive process approach are dealt with. The participants get to know the main contents of ISO 19011, as well as the structure and contents of IATF 16949 and its requirements including ISO 9001. Additionally, they are provided an insight into the IATF certification rules.

The participants are taught specialist knowledge about structure and preparation of Failure Mode and Effects Analyses (FMEA). Furthermore, the topics statistical process control (SPC 1), quality control charts (SPC 2) and machine and process capabilities (SPC 3) are presented. Additionally, the participants are introduced to test process suitability according to VDA 5 and basic knowledge about measurement system analysis (MSA).

1st / 2nd party auditors IATF 16949 are able to conduct internal and external system audits on their own. The examination and the accompanying certificate independently confirm their knowledge. Additionally, the certificate provides evidence of current and valid qualification in order to meet customer or supplier requirements with regard to IATF 16949 auditor competence.
Concept and Methods

The alternation between technical lectures, individual, group and case study exercises makes it possible to expand and apply IATF 16949 and ISO 9001 knowledge in appropriate learning steps.

On the examination day, you are given an examination paper with 40 questions, of which at least 70% must be answered correctly. Furthermore, prospective IATF 16949 1st / 2nd party auditors must pass an oral examination in which they identify risks / nonconformities from a scenario and match these with the requirements of IATF 16949 and ISO 9001. For preparation the training material (including standards) handed out during VDA trainings are admissible and must be brought along on the examination day.

Prerequisites for Attendance

Admission to the examination will only be granted after a successful review of your application. Prerequisites are an auditor qualification for Internal Auditor ISO 9001:2015, at least three complete internal ISO 9001 system audits within the past three years and at least two years’ appropriate fulltime practical automotive experience. (see graphical representation on p.32). For the precise requirements, please refer to the application form on our website www.vda-qmc.de/en/training-and-professional-development/application-forms/.

Certificate and Auditor Card

After passing the examination, participants will receive a certificate with registered numbering in connection with an auditor card as well as a corresponding VDA QMC database entry.

Supplementary Material

QM system standard IATF 16949
VDA QMC standards
DIN EN ISO 9000, 9001, 9004 and 19011
Chapter FMEA from the VDA Ring Binder Volume 4
Chapter SPC from the VDA Ring Binder Volume 4
VDA Volume 5

Application necessary on www.vda-qmc.de under “Training and Professional Development” / “Application forms”
NEW · ID 255 · IATF 16949 – Examination for Re-Qualification of 1st / 2nd Party Auditors

**Background and Topics**

Conformity with IATF 16949 is the condition for acceptance into the automotive manufacturers’ list of suppliers. In preparation for certification, those responsible in an organisation must come to grips with the concrete implementation of requirements.

IATF 16949 auditors’ competence is of decisive importance: on the one hand, because they have to implement the IATF 16949 requirements in their own organisation in a focussed manner and evaluate the effectiveness of quality management actions. On the other hand, so they can review their suppliers as to whether their QM system complies with IATF 16949.

According to ISO 19011, auditors are required to continually improve their competence. This includes their professional development, for example, through self-tuition and qualifications. Thus, certificates are only valid for a certain amount of time, so that auditors will have to undergo further education to retain their qualification.

**Target Audience**

This examination is aimed exclusively at IATF 16949 1st / 2nd party auditors, who already own a certificate or comparable IATF qualification. Depending on individual qualification, participation in the one-day training for re-qualification (ID 240) may be necessary.

**Objectives**

IATF 16949 1st / 2nd party auditors are able to conduct internal and supplier IATF system audits on their own. By taking this examination with certificate, the participants once again get independent confirmation of their knowledge. Additionally, the certificate gives evidence of up-to-date and valid qualification in order to fulfil customers’ or suppliers’ requirements regarding IATF 16949 auditor competence.

**Concept and Methods**

On the examination day, you are given an examination paper with 40 questions, of which at least 70% must be answered correctly. Furthermore, prospective IATF 16949 1st / 2nd party auditors must pass an oral examination in which they identify risks / nonconformities from a scenario and match these with the requirements of IATF 16949 and ISO 9001. For preparation the training material (including standards) handed out during VDA trainings are admissible and must be brought along on the examination day.

**Prerequisites for Attendance**

Admittance to the examination is only possible after successful application review (see graphical representation on p.32).

**Certificate and Auditor Card**

After passing the test, a new certificate with a registered number and the respective auditor card are issued, and the accompanying entry into the VDA QMC database is completed.

Application necessary on www.vda-qmc.de under “Training and Professional Development” / “Application forms"
NEW · ID 240 · IATF 16949 – Training for Re-qualification of 1st / 2nd Party Auditors

Background and Topics

Conformity with IATF 16949 is the condition for acceptance into the automotive manufacturers’ list of suppliers. In preparation for certification, those responsible in an organisation must come to grips with the concrete implementation of requirements.

IATF 16949 auditors’ competence is of decisive importance: on the one hand, because they have to implement the IATF 16949 requirements in their own organisation in a focussed manner and evaluate the effectiveness of quality management actions. On the other hand, so they can review their suppliers as to whether their QM system complies with IATF 16949.

According to ISO 19011, auditors are required to continually improve their competence. This includes their professional development, for example, through self-tuition and qualifications. Thus, certificates are only valid for a certain amount of time, so that auditors will have to undergo further education to retain their qualification.

Target Audience

This one-day re-qualification has been developed for IATF 16949 1st / 2nd party auditors who already have a certificate, but not enough practice in auditing, or who have comparable IATF qualification and simultaneously sufficient auditing practice. In both cases, it is necessary to take part in the examination day for re-qualification of 1st / 2nd party auditors (ID 255) in order to receive a certificate.

Objectives

This re-qualification focusses on an exchange of experiences and updating knowledge and abilities of auditors. Main topics are the contents of ISO 19011, IATF 16949 and their requirements, including ISO 9001, as well as areas that are often lacking in implementation. Additionally, participants may put forward their own topics on the implementation of IATF 16949 for discussion.

Concept and Methods

During the training, technical lectures and group exercises will alternate in order to facilitate transfer of the studied topics into the participants’ own work experience. A special focus is placed on the exchange of experiences among the participants and the trainer. The IATF 16949 standard and ISO 9001 family of standards must be brought to the training by the participants.

Prerequisites for Attendance

Participants in this training must own a certificate or a comparable IATF qualification (see graphical representation on p.32).

Certificate of Qualification

After passing the test, the participants will receive a certificate of qualification.
Background and Topics

The QM system standard IATF 16949 is a harmonisation of national QM bodies of rules such as QS 9000 and VDA 6.1, and is recognised worldwide as state of the art by the automotive industry. Organisations increasingly favour certification according to IATF 16949, as this is still a prerequisite for acceptance into the automotive supply chain.

IATF certification can only be awarded by certification bodies accredited by the IATF. You can find an overview of all approved certification bodies under www.vda-qmc.de/en/certification/iatf/certification-bodies/. The certification process requires the corresponding auditors who can verify whether an organisation meets the necessary requirements for an IATF certificate.

This is where the four-day qualification for 3rd party auditor comes in: Only training and development by the VDA QMC as the training organisation of the German IATF Oversight is authorised to offer this professional qualification in the German speaking countries.

Target Audience

This training is for existing ISO 9001 certification auditors, who have sufficient practical automotive work experience and want to meet the challenge of an IATF certification auditor.

Objectives

The focus is set on teaching specialist knowledge and application competence with the objective of preparing the participants for the responsible tasks in an IATF certification process. This includes the automotive process approach, process identification and interdependency as well as process performance and monitoring. The requirements for stage 1 readiness review, stage 2 audit as well as customer-specific requirements are likewise focal points of this training. The participants practice audit planning and nonconformity management. They also learn the requirements for surveillance, re-certification and transfer audits.

Concept and Methods

In this three-day training, technical lectures and group exercises alternate which helps transfer the training topics into the participants everyday work practice. The participants are expected already to have mastered the contents of the QM system standard IATF 16949 and the certification rules in order to begin at a high common level with the specific requirements for a certification auditor. The relevant standards literature must be brought along to the training by the participants.

On the following examination day, the participants application competence is tested and evaluated in a written examination and during an oral case study interview. Due to the length of the individual parts of the examination, the maximum number of participants for one examination day is seven. We therefore reserve the right to set an additional subsequent examination day if this number is exceeded.
Prerequisites for Attendance

Admission to this course is granted only by an IATF-approved certification body and after successful review of your application. Prerequisites are an ISO 9001 auditor qualification; at least six audits conducted as ISO 9001 certification auditor in manufacturing organisations, of which at least three audits as lead auditor; knowledge of automotive quality techniques (FMEA, MSA, SPC); as well as four years’ appropriate practical experience (fulltime) within the past ten years in an organisation within the scope of IATF 16949, of which two years in quality assurance and / or quality management. In order to prevent delays, applicants should make sure to hand in complete documentation.

Certificate and Auditor Card

After passing the examination, the participants will receive a certificate with a registered number, an auditor card and the respective entry into the IATF database. This provides evidence of your qualification as 3rd party ISO/TS 16949 auditor based on the IATF requirements.
Audit Rules
VDA 6.x

In order to make possible uniform and comparable assessment of QM systems, processes, products and services for automotive manufacturers, their suppliers and associated service organisations, VDA QMC has developed quality standards for the German automotive industry that are described in the VDA 6.x volumes.

In our trainings and exams, participants can qualify as VDA 6.x system auditors, process auditors and product auditors in order to implement the relevant standards internally or with suppliers, or to certify organisations to VDA 6.x.
- VDA 6 – Certification Rules for VDA 6.1, VDA 6.2 and VDA 6.4
- VDA 6.1 – Qualification for 1st/2nd/3rd Party Auditor
- VDA 6.2 – Qualification for 1st/2nd/3rd Party Auditor
- VDA 6.3 – Qualification for Process Auditor
- VDA 6.4 – Qualification for 1st/2nd/3rd Party Auditor
- VDA 6.5 – Qualification for Product Auditor
VDA 6.1, VDA 6.2 and VDA 6.4 – Qualification for 1st/2nd/3rd Party Auditor

Qualification for VDA 6.1, VDA 6.2 or VDA 6.4 1st/2nd or 3rd Party Auditor

**Prerequisites for qualification**

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<thead>
<tr>
<th>1st/2nd Party Auditor</th>
<th>3rd Party Auditor</th>
<th>3 days: Qualification for 1st/2nd/3rd Party Auditor - ID 311, ID 312 or ID 314</th>
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<tr>
<td>• knowledge of ISO 9001:2015</td>
<td>• knowledge of ISO 9001:2015</td>
<td>• Successful attendance of the Seminar VDA 6 - ID 301</td>
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<td>• at least two years of professional experience in the automotive industry</td>
<td>• auditor qualification according to the requirements of the VDA Volume 6</td>
<td>• professional experience according to the requirements derived from the VDA Volume 6</td>
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<td>• experience as an auditor according to the requirements of the VDA Volume 6</td>
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<td>1 day: Examination for 1st/2nd/3rd Party Auditor - ID 351, ID 352 or ID 354</td>
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<td></td>
<td></td>
<td>Certificate + Auditor Card + Database Entry</td>
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Source: VDA QMC
Background and Topics

VDA volume 6 is the basis for all system audits according to the standards VDA 6.1, 6.2 and 6.4. Based on the requirements of ISO 17021 and ISO 19011, especially the advanced requirements for 3rd party audits are described. Compliance with these requirements is absolutely necessary for certification bodies.

Target Audience

This training is for Veto representatives, certification auditors and certification body personnel, who are involved in the certification process, executives, quality representatives and personnel who want an overview of certification to VDA 6.1, 6.2 or 6.4, or are planning certification.

Objectives

This one-day training gives participants an introduction to the bodies of rules VDA 6.1, VDA 6.2 and VDA 6.4, as well as the basics of these standards for applying VDA 6. Further topics are the requirements for certification bodies and the scope of the bodies of rules, the certification process incl. audit day calculation and de-certification. Furthermore, conducting audits and nonconformity management, auditor qualification are explained, and examples are given for consolidating knowledge.

Concept and Methods

During this training, technical lectures, discussions and exchange of experiences alternate.

Prerequisites for Attendance

Participants should already be knowledgeable about the respective VDA 6.x bodies of rules.

Certificate of Qualification

After passing the test, the participants will receive a certificate of qualification.

Supplementary Material

VDA Volume 6
ID 311 · VDA 6.1 – Qualification for 1st / 2nd / 3rd Party Auditor (Training)

Background and Topics

The certification standard VDA 6.1 was first published by VDA in 1996 and has been successively developed since then. It was aimed specifically at organisations that manufacture serial parts and creates a framework for an automotive quality management system, promotes error prevention and strengthens reliability and process capability in the value chain.

At the same time, the VDA 6.1 standard comprises the quality requirements of most of the German automotive manufacturers and their direct suppliers, and is also recognised in France and Italy by those countries’ automotive associations. The prerequisite for supplementary certification to VDA 6.1 is a previous certification according to ISO 9001.

For implementation in one’s own organisation and for the certification process according to VDA 6.1, well-qualified auditors are necessary who can acquire the specific knowledge in this training.

Target Audience

This training is for prospective internal auditors or auditors of suppliers in the automotive industry, vehicle and parts manufacture tasked with conducting QM system audits in their own organisation or at the site of their suppliers, implementing additional international QM requirements and assuring themselves of their effectiveness, as well as certification body auditors who want expand their scope to the VDA 6.1 standard.

Objectives

In this three-day training, specialist knowledge and competences are taught with which the participants can implement and verify the requirements of the VDA 6.1 standard, depending on their sphere of activity. The basics of process management and the audit process are explained. The participants are introduced to the six U elements and the Z1 element “organisational strategy” and the sixteen P elements, with in-depth information on each element and the respective questions with requirements and explanations. Furthermore, amendments to ISO 9001, the assessment scoring calculation of the degree of fulfilment and grading will be presented.

Concept and Methods

During this training, technical lectures and group exercises alternate in order to support the transfer of the topics into the participants’ own work practice with a particular focus on exchanging experiences between participants and the trainer.

Prerequisites for Attendance

Participants should have good knowledge of ISO 9001, QM tools and methods, and have a VDA auditor qualification or comparable auditor qualification.

Certificate of Qualification

After passing the test, the participants will receive a certificate of qualification.

Supplementary Material

VDA Volume 6.1
Background and Topics

The certification standard VDA 6.1 was first published by VDA in 1996 and has been successively developed since then. It was aimed specifically at organisations that manufacture serial parts and creates a framework for an automotive quality management system, promotes error prevention and strengthens reliability and process capability in the value chain.

At the same time, the VDA 6.1 standard comprises the quality requirements of most of the German automotive manufacturers and their direct suppliers, and is also recognised in France and Italy by those countries’ automotive associations. The prerequisite for supplementary certification to VDA 6.1 is a previous certification according to ISO 9001.

For implementation in one’s own organisation and for the certification process according to VDA 6.1, well-qualified auditors are necessary who can acquire the specific knowledge in this training.

Target Audience

This examination is for prospective VDA 6.1 1st / 2nd or 3rd party auditors.

Objectives

This examination tests the specialist knowledge and competences of the participants, awarding them the formal evidence of their ability to conduct 1st / 2nd or 3rd party audits.

Concept and Methods

On the examination day, the participants are given a written examination with 40 questions, which they have 60 minutes to answer. Furthermore, prospective VDA 6.1 1st / 2nd or 3rd party auditors must pass an oral examination consisting of 30 minutes preparation time and a twenty-minute interview with two examiners. For preparation, the training material handed out during VDA trainings (incl. standards) are admitted, and these must be brought along on the examination day.

Prerequisites for Attendance

Admission to the examination is only granted after successful review of the application. The prerequisites vary according to the auditors’ sphere of activity, and comprise among others ISO 9001 knowledge and professional automotive experience. Successful completion of the training “Qualification for 1st / 2nd or 3rd Party Auditor VDA 6.1” is also necessary. For 3rd party auditors, the registration for the examination may only be made by a VDA-approved certification body.

Certificate and Auditor Card

After passing the examination, you will receive a certificate with registered numbering in connection with an auditor card as well as a corresponding VDA QMC database entry.
ID 312 · VDA 6.2 – Qualification for 1st / 2nd / 3rd Party Auditor (Training)

Background and Topics

The VDA 6.2 certification standard was first published by the VDA in 1997. In 2017 it was updated on the basis of the new ISO 9001:2015. It comprises requirements for automotive organisations that provide services in the product life cycle and thus influence the quality of products.

Thus, service providers also have the opportunity to achieve certification within the framework of an automotive standard. In particular, motor trade organisations as well as many transport and logistics organisations can now avail themselves of this option to enhance their customer focus on a long-term basis. But equally, internal service providers, e.g., design and development, logistics, and purchasing, in VDA 6.2 have a valuable instrument at their command for continuous improvement.

For implementation in one's own organisation and for the certification process according to VDA 6.2, well-qualified auditors are necessary who can acquire the specific knowledge in this training.

Target Audience

This training is for executives, auditors and QM personnel of automotive service organisations, as well as personnel from approved certification bodies, who are involved in and / or contribute to the certification processes.

Objectives

In this three-day training, the specialist knowledge is taught with which the participants can implement and verify the requirements of the VDA 6.2 standard as auditors according to their sphere of activity. The basics of process management and the auditing process are explained. The participants receive an overview of the VDA quality standards and are acquainted with the structure and contents of the body of rules VDA 6.2. The QM system requirements for automotive service providers are discussed as well as the assessment of conformity, how to deal with audit findings and manage actions.

Concept and Methods

During this training, technical lectures and group exercises alternate in order to support the transfer of the topics into the participants’ own work practice with a particular focus on exchanging experiences between participants and the trainer.

Prerequisites for Attendance

Participants should have good knowledge of ISO 9001, QM tools and methods, and have a VDA auditor qualification or comparable auditor qualification.

Certificate of Qualification

After passing the test, the participants will receive a certificate of qualification.

Supplementary Material

VDA Volume 6.2
VDA QMC standards collection
DIN EN ISO 9000, 9001, 9004 and 19011
ID 352 · VDA 6.2 – Examination for 1st / 2nd or 3rd Party Auditor

Background and Topics

The VDA 6.2 certification standard was first published by the VDA in 1997. In 2017 it was updated on the basis of the new ISO 9001:2015. It comprises requirements for automotive organisations that provide services in the product life cycle and thus influence the quality of products.

Thus, service providers also have the opportunity to achieve certification within the framework of an automotive standard. In particular, motor trade organisations as well as many transportation and logistics organisations can now avail themselves of this option to enhance their customer focus on a long-term basis. But equally, internal service providers, e.g., design and development, logistics, and purchasing, in VDA 6.2 have a valuable instrument at their command for continuous improvement.

For implementation in one’s own organisation and for the certification process according to VDA 6.2, well-qualified auditors are necessary who can acquire the specific knowledge in this training.

Target Audience

This examination is for prospective 1st / 2nd or 3rd party auditors VDA 6.2.

Objectives

This examination tests the specialist knowledge and competences of the participants, awarding them the formal evidence of their ability to conduct 1st / 2nd or 3rd party audits.

Concept and Methods

On the examination day, the participants are given a written examination with 40 questions, which they have 60 minutes to answer. Furthermore, prospective VDA 6.2 1st / 2nd or 3rd party auditors must pass an oral examination consisting of 30 minutes preparation time and a twenty-minute interview with two examiners. For preparation, the training material handed out during VDA trainings (incl. standards) are admitted, and these must be brought along on the examination day.

Prerequisites for Attendance

Admission to the examination is only granted after successful review of the application. The prerequisites vary according to the auditors’ sphere of activity, and comprise among others ISO 9001 knowledge and professional automotive experience with service providers. Successful completion of the training “Qualification for 1st / 2nd or 3rd Party Auditor VDA 6.2” is also necessary (see graphical representation on p.46). For 3rd party auditors, the registration for the examination may only be made by a VDA-approved certification body.

Certificate and Auditor Card

After passing the examination, participants will receive a certificate with registered numbering in connection with an auditor card as well as a corresponding VDA QMC database entry.

Application necessary on www.vda-qmc.de under “Training and Professional Development” / “Application forms”
VDA 6.3 – Qualification for Process Auditor

### Internal Process Auditor

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<th>Prerequisites for qualification</th>
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<td>Subject-specific knowledge</td>
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<td>• good knowledge of the usual quality tools and methods</td>
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<td>• knowledge of the applicable management system requirements</td>
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<td>• knowledge of the usual quality tools and methods</td>
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<td>• knowledge of the applicable management system requirements</td>
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<tr>
<td>Professional experience</td>
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<tr>
<td>Three years of experience in industry, at least one year of which in quality management</td>
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4 days: Qualification for Process Auditor ID 315

Certificate of Qualification

### Auditor of Suppliers

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<th>Prerequisites for qualification</th>
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<tr>
<td>Subject-specific knowledge</td>
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<tr>
<td>• very good knowledge of the usual quality tools and methods</td>
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<tr>
<td>• knowledge of the applicable management system requirements</td>
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<td>• knowledge of the applicable management system requirements</td>
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<tr>
<td>Professional experience</td>
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<tr>
<td>Five years of experience in industry, at least two of which in quality management</td>
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4 days: Qualification for Process Auditor in ID 315

Certificate of Qualification

### Certified Process Auditor

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<td>Subject-specific knowledge</td>
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<td>• very good knowledge of the usual quality tools and methods</td>
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<td>• knowledge of the applicable management system requirements</td>
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<td>• knowledge of the applicable management system requirements</td>
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<tr>
<td>Professional experience</td>
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<tr>
<td>5 years’ fulltime professional experience in a manufacturing enterprise, at least 2 years of which in quality management *)</td>
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</table>

4 days: Qualification for Process Auditor in ID 315

1 day: Examination for Certified Auditor ID 353

Certificate + Auditor Card + Database Entry

Source: VDA QMC
Process Auditor in VDA 6.3 for Services

**Subject-specific knowledge**
- Profound knowledge in quality management

**Professional experience**
- Experience in industry, preferentially acquired in companies belonging to the automotive industry providing services around automobiles

Prerequisites for qualification:
- At least 5 process audits and/or potential analyses (with a total of ten audit days) as responsible auditor in the valid period and evidence of Certificate of Qualification VDA 6.3
- Upgrade training: from VDA 6.3 (2010) to VDA 6.3 (2016)

3 days: Qualification for Process Auditor ID 316

Certificate of Qualification

Extension of Qualification “Certified Process Auditor VDA 6.3”

Prerequisites for an extension:
- At least 5 process audits and/or potential analyses (with a total of ten audit days) as responsible auditor in the valid period
- Upgrade training: from VDA 6.3 (2010) to VDA 6.3 (2016)

2 days: Competence Training for Certified Process Auditors ID 341

Certificate + Auditor Card + Database Entry

*) In case of professional experience of 3 years and more, in-company training may be credited. In-company training is accepted by 50 percent and only in case of a completed dual vocational training and/or dual university programmes in a technical profession in a manufacturing enterprise. Prevocational placements, student traineeships or similar in the scope of academic bachelor or master study courses will not be credited.

Source: VDA QMC
Background and Topics

The VDA 6.3 process audit is an effective procedure for assessing processes in connection with planning and manufacturing of a product. These audits are usually conducted within the organisation or with suppliers prior to series release, but also form a valuable contribution for process optimisation with already existing manufacturing lines. Furthermore, potential analysis – as part of VDA 6.3 – also constitutes a tried and tested method to select new suppliers.

The third and complete revision of the VDA standard in 2016 had the main objective of simplifying and unifying the standard in order to give it a more practical and international orientation. With these new advantages, the worldwide importance of VDA 6.3 has increased. Moreover, this process audit standard can now also be applied to further sectors such as mechanical engineering and wind power.

In order to conduct VDA 6.3 process audits, comprehensive knowledge, experience and competence is necessary. Thus, the qualification of relevant personnel is indispensable. In our VDA 6.3 trainings the participants acquire the necessary background knowledge and understanding for process audit procedures.

Concept and Methods

During this training, technical lectures and group exercises alternate in order to support the transfer of the topics into the participants’ own work practice with a particular focus on exchanging experiences between participants and the trainer.

Prerequisites for Attendance

Knowledge of the common quality tools and methods, the applicable management system requirements and further applicable customer-specific requirements, as well as product and process-specific knowledge in the intended field of application, is necessary for this training. Furthermore, depending on their scope of activity, participants should have the respective professional experience according to VDA Volume 6.3 and an auditor qualification based on DIN EN ISO 19011 (see graphical representation on p.52).

Certificate of Qualification

After passing the test, the participants will receive a certificate of qualification.

Supplementary Material

VDA Volume 6.3

For the current edition of the VDA 6.3 process audit, a new evaluation and documentation tool has been developed as a web application. Users can obtain the VDA 6.3 Analysis Tool via the VDA QMC webshop: www.webshop.vda.de/qmc
Background and Topics

The VDA 6.3 process audit is an effective procedure for assessing processes in connection with planning and manufacturing of a product. These audits are usually conducted within the organisation or with suppliers prior to series release, but also form a valuable contribution for process optimisation with already existing manufacturing lines. Furthermore, potential analysis – as part of VDA 6.3 – also constitutes a tried and tested method to select new suppliers.

The third and complete revision of the VDA standard in 2016 had the main objective of simplifying and unifying the standard in order to give it a more practical and international orientation. With these new advantages, the worldwide importance of VDA 6.3 has increased. Moreover, this process audit standard can now also be applied to further sectors such as mechanical engineering and wind power.

In order to conduct VDA 6.3 process audits, comprehensive knowledge, experience and competence is necessary. Thus, the qualification of relevant personnel is indispensable. The examination for certified VDA 6.3 auditor offers the participants official proof of qualification and neutral confirmation of these exact capabilities.

Concept and Methods

On the examination day, the participants are given a written examination with 40 questions, which they have 60 minutes to answer. Furthermore, prospective VDA 6.3 auditors must pass an oral examination consisting of 30 minutes preparation time and a twenty-minute interview with two examiners. For preparation, the training material handed out during VDA trainings (incl. VDA 6.3 standard) are admitted, and these must be brought along on the examination day.

Prerequisites for Attendance

Admission to the examination is only granted after successful review of the application. Evidence must be provided of the certificate of qualification for the training "VDA 6.3 – Qualification for Process Auditor", or the certificate of qualification "VDA 6.3 – Upgrade Training: from VDA 6.3 (2010) to VDA 6.3 (2016)", and / or "VDA 6.3 – Competence Training for Certified Process Auditors", if the qualification to VDA 6.3 (2010) has been completed previously (at least three days, not more than three years ago), as well as evidence of auditor qualification on the basis of DIN EN ISO 19011 (e. g., VDA Auditor) and at least five years’ industrial experience, of which at least two years in quality management (see graphical representation on p.52). For the precise requirements, please refer to the application form on our website www.vda-qmc.de/en/training-and-professional-development/application-forms.

Target Audience

This examination is for VDA 6.3 process auditors in the product life cycle.

Objectives

Certified VDA 6.3 auditors are able to conduct process audits independently internally and at the site of their suppliers. After passing the examination, the participants will receive a certificate and an auditor card that provide evidence of their current and valid qualification. Thus, they fulfil the requirements of customers or suppliers regarding their auditor competence.

Certificate and Auditor Card

After passing the written and oral examination, the participants will receive a certificate with a registered number and the respective entry into the VDA QMC database.

Application necessary on www.vda-qmc.de under "Training and Professional Development" / "Application forms"
Background and Topics

The VDA 6.3 process audit is an effective procedure for assessing processes in connection with planning and manufacturing of a product. These audits are usually conducted within the organisation or with suppliers prior to series release, but also form a valuable contribution for process optimisation with already existing manufacturing lines. Furthermore, potential analysis – as part of VDA 6.3 – also constitutes a tried an tested method to select new suppliers.

The third and complete revision of the VDA standard in 2016 had the main objective of simplifying and unifying the standard in order to give it a more practical and international orientation. With these new advantages, the worldwide importance of VDA 6.3 has increased. Moreover, this process audit standard can now also be applied to further sectors such as mechanical engineering and wind power.

In order to conduct VDA 6.3 process audits, comprehensive knowledge, experience and competence is necessary. Thus, the qualification of relevant personnel is indispensable. With this offer, we address participants who want to achieve qualification as certified VDA 6.3 process auditors in a compact training course of five days.

Target Audience

This five-day training addresses QM personnel tasked with conducting process audits in their own organisations (internally) or in the supply chain (externally), as well as external auditors (deployment as service providers).

Objectives

Taking into consideration the process approach and the respective customer-specific requirements, this training introduces the basics for VDA 6.3 process auditors for holistic application in automotive industry. This includes general requirements, methods, principles, the evaluation scheme and risk analysis. In addition, the underlying questionnaire is completely explained according to the assigned process elements (P1 – P7) so that participants can identify the respective risks along the supply chain and demonstrate the respective potential. The goal is to ensure a reliable assessment. Furthermore, the code of conduct for process auditors and the current SIs and FAQs are presented.

Certified VDA 6.3 auditors are able to conduct process audits independently internally and at the site of their suppliers. After passing the examination, the participants will receive a certificate and an auditor card that provide evidence of their current and valid qualification. Thus they fulfill the requirements of customers or suppliers regarding their auditor competence.

Prerequisites for Attendance

Admission to the examination is only granted after successful review of the application. Evidence must be provided of the certificate of qualification for the training “VDA 6.3 – Qualification for Process Auditor”, evidence of auditor qualification based on DIN EN ISO 19011 (e.g., VDA Auditor, the training must have comprised at least three days) as well as at least five years’ industrial experience, at least two of which in quality management.

If qualification was to VDA 6.3 (2010) (at least three days, not more than three years ago), evidence of successful completion of “VDA 6.3 – Upgrade Training: from VDA 6.3 (2010) to VDA 6.3 (2016)” and / or “VDA 6.3 – Competence Training for Certified Process Auditor” must be provided (see graphical representation on p.52). For the precise requirements, please refer to the application form on our website www.vda-qmc.de/en/training-and-professional-development/application-forms.
Concept and Methods

During this training, technical lectures, exercises and case studies alternate in order to support the transfer of the topics into the participants’ own work practice with a particular focus on exchanging experiences between participants and the trainer.

On the examination day, the participants are given a written examination with 40 questions, which they have 60 minutes to answer. Furthermore, prospective VDA 6.3 auditors must pass an oral examination consisting of 30 minutes preparation time and a twenty-minute interview with two examiners. For preparation, the training material handed out during VDA trainings (incl. VDA 6.3) are admitted, and these must be brought along on the examination day.

Certificate and Auditor Card

After passing the written and oral examination, the participants will receive a certificate with a registered number and the respective entry into the VDA QMC database.

Supplementary Material

VDA Volume 6.3
For the current edition of the VDA 6.3 process audit, a new evaluation and documentation tool has been developed as a web application. Users can obtain the VDA 6.3 Analysis Tool from the VDA QMC webshop: www.webshop.vda.de/qmc

Application necessary on www.vda-qmc.de under “Training and Professional Development” / “Application forms”
ID 341 · VDA 6.3 – Competence Training for Certified Process Auditors

Background and Topics

The VDA 6.3 process audit is an effective procedure for assessing processes in connection with planning and manufacturing of a product. These audits are usually conducted within the organisation or with suppliers prior to series release, but also form a valuable contribution for process optimisation with already existing manufacturing lines. Furthermore, potential analysis – as part of VDA 6.3 – also constitutes a tried and tested method to select new suppliers.

The third and complete revision of the VDA standard in 2016 had the main objective of simplifying and unifying the standard in order to give it a more practical and international orientation. With these new advantages, the worldwide importance of VDA 6.3 has increased. Moreover, this process audit standard can now also be applied to further sectors such as mechanical engineering and wind power.

In order to conduct VDA 6.3 process audits, comprehensive knowledge, experience and competence is necessary. Thus, the qualification of relevant personnel is indispensable. After successful completion of the qualification for VDA 6.3 process auditor, the question arises of continuous further development: Again and again, while conducting audits in practice, auditors will encounter situations in which handling or appropriately assessing requirements leads to uncertainties. This training offers the chance to discuss such situations in everyday audit practice with the participants and an expert, and to determine the appropriateness and application of requirements and assessments.

Concept and Methods

During this training, technical lectures, exercises and case studies alternate in order to support the transfer of the topics into the participants’ own work practice with a particular focus on exchanging experiences between participants and the trainer.

Prerequisites for Attendance

Participants should be certified VDA 6.3 (2010) process auditors and have good knowledge of QM tools and methods as well as a VDA auditor qualification or a comparable auditor qualification.

Certificate of Qualification

After passing the test, the participants will receive a certificate of qualification.

Supplementary Material

VDA Volume 6.3

For the current edition of the VDA 6.3 process audit, a new evaluation and documentation tool has been developed as a web application. Users can obtain the VDA 6.3 Analysis Tool from the VDA QMC webshop:

www.webshop.vda.de/qmc

Target Audience

This training is for certified VDA 6.3 process auditors (2010).

Objectives

In this two-day training, the participants get the chance to strengthen their competence as process auditors, to exchange practical experiences, and to further develop their expertise. All the contents of the former upgrade training have been integrated, so that previous experiences can be reflected based on the current red volume VDA 6.3 (2016). The participants increase their self-assurance in conducting process audits, and receive motivation for their further personal development.
ID 316 · VDA 6.3 – Process Auditor for Services

Background and Topics
The VDA 6.3 process audit is an effective procedure for assessing processes in connection with planning and manufacturing of a product. These audits are usually conducted within the organisation or with suppliers prior to series release, but also form a valuable contribution for process optimisation with already existing manufacturing lines. Furthermore, potential analysis – as part of VDA 6.3 – is also a proven means of selection for new suppliers.

The third and complete revision of the VDA 6.3 standard in 2016 had the main objective of simplifying and unifying the standard in order to give it a more practical and international orientation. Furthermore, the contents of the process audit for services have been fundamentally revised. In an organisation that “produces” services, the service provision process must also be controlled within the framework of the QM system. This ensures that the provision of services is conducted under controlled conditions and thus guarantees the timely, cost-, quality- and requirement-conscious implementation of services. With this training, process auditors can acquire the necessary expertise to conduct VDA 6.3 process audits for services.

Target Audience
This three-day training is for personnel tasked with conducting process audits for services.

Objectives
This process approach and the relevant customer-specific requirements teaches VDA 6.3 process auditors the basics of service provision. This encompasses general requirements, methods, principles, risk analyses and the assessment scheme as well as the individual process elements D2 to D7. Furthermore, communication, ethics and the code of conduct for process auditors are explained. This training leads the participants through the requirements for process audits, and enables such audits to be provided as services to the automotive industry.

Concept and Methods
During this training, technical lectures, exercises and case studies alternate in order to support the transfer of the topics into the participants’ own work practice with a particular focus on exchanging experiences between participants and the trainer.

Prerequisites for Attendance
Participants should have sound QM knowledge and industrial experience, preferably in automotive organisations that provide services related to automotive vehicles (see graphical representation on p.52f).

Certificate of Qualification
After passing the test, the participants will receive a certificate of qualification.

Supplementary Material
VDA Volume 6.3
For the current edition of the VDA 6.3 process audit, a new evaluation and documentation tool has been developed as a web application. Users can obtain the VDA 6.3 Analysis Tool from the VDA QMC webshop:
www.webshop.vda.de/qmc
Background and Topics

The VDA 6.3 process audit is an effective procedure for assessing processes in connection with planning and manufacturing of a product. These audits are usually conducted within the organisation or with suppliers prior to series release, but also form a valuable contribution for process optimisation with already existing manufacturing lines. Furthermore, potential analysis – as part of VDA 6.3 – also constitutes a tried and tested method to select new suppliers.

The third and complete revision of the VDA standard in 2016 had the main objective of simplifying and unifying the standard in order to give it a more practical and international orientation. With these new advantages, the worldwide importance of VDA 6.3 has increased. Moreover, this process audit standard can now also be applied to further sectors such as mechanical engineering and wind power.

In order to conduct VDA 6.3 process audits, comprehensive knowledge, experience and competence is necessary. Thus, the qualification of relevant personnel is indispensable. According to ISO 19011, auditors are required to continuously improve their competence. This includes professional further education, e.g., by means of self-study and trainings. The validity of certificates is thus deliberately of limited duration, so that auditors undergo further training in order to maintain their qualification.

Target Audience

Only certified process auditors VDA 6.3 (2010) can apply for an extension of their qualification. Extensions for process auditors VDA 6.3 (2016) only become due as of January 2020 – the necessary prerequisites will be announced in good time.

Objectives

Certified VDA 6.3 auditors are able to conduct process audits independently internally and at the site of their suppliers. With this examination and certificate, participants can receive reconfirmation of their knowledge from independent quarters. Moreover, the certificate provides evidence of current and valid qualification in order to fulfil the requirements of customers or suppliers regarding their auditor competence IATF 16949.

Prerequisites for extending Qualification

In order to extend a VDA 6.3 qualification, the application must be submitted before validity expires. Evidence must be provided of audit experience in at least five process audits or potential analyses as lead auditor within the validity period. Internal as well as external process audits are accepted. The specified audits must be confirmed by top management or the head of quality management. In addition, the certificate of qualification for “VDA 6.3 – Upgrade Training: From VDA 6.3 (2010) to VDA 6.3 (2016)” or “VDA 6.3 – Competence Training for Certified Process Auditors” must be submitted. If the required audit experience cannot be verified, it will be necessary to complete the training “VDA 6.3 – Competence Training for Certified Process Auditors” (ID 341) in order to achieve an extension of VDA 6.3 qualification.

Certificate and Auditor Card

After a positive review of application, a new certificate with a registered number and the respective auditor card will be issued, along with the corresponding entry into the VDA QMC database.

The certificate and auditor card are both valid for three years. A new certificate and a new auditor card are issued upon application, if the prerequisites mentioned above are met.

Fee

160,- EUR plus VAT
The fee includes the application review, issue and delivery of a new certificate and a new auditor card as well as the entry into the VDA QMC database.

Certificate · Auditor Card · Database Entry

ID 340 · Extension of the Qualification “Certified Process Auditor VDA 6.3”
Background and Topics

In automotive industry, tools, plants, machines, fixtures, measurement and testing set-ups must meet the highest quality standards. As manufacturers of production resources and plants previously could not be certified to VDA 6.1, a modification took place in 1999 which the VDA published as a further certification standard VDA 6.4. Just like VDA 6.1, VDA 6.4 serves as a supplement to ISO 9001 and was fundamentally revised in 2017 on the basis of the new ISO 9001:2015. To the present day, VDA 6.4 is the standard of choice for internationally operating manufacturers and suppliers of production resources, as certification according to IATF 16949 is not possible.

For the implementation in one's own organization as well as for the VDA6.4 certification process, well-qualified auditors are necessary who can obtain their specific expertise in this qualification.

Target Audience

This training is for executives, auditors and QM personnel from the manufacturers of automotive production resources as well as auditors and personnel from approved certification bodies who are involved or want to participate in the certification process.

Objectives

In this three-day training, the specialist knowledge is taught with which the participants can implement and verify the requirements of the VDA 6.4 standard, depending on their personal sphere of action. The basic of process management and the audit process are explained. The participants will receive an overview of the VDA quality standards and get to know the structure and contents of the VDA 6.4 body of rules. The QM system requirements for production resource manufacturers are a subject of discussion. Others are conformity assessment, process-approach auditing, how to handle audit findings and actions management are practised.

Concept and Methods

During this training, technical lectures, exercises and case studies alternate in order to support the transfer of the topics into the participants’ own work practice with a particular focus on exchanging experiences between participants and the trainer.

Prerequisites for Attendance

Participants should be familiar with ISO 9001, QM tools (FMEA, SPC, test equipment capability etc.) and have VDA auditor qualification or comparable auditor training.

Certificate of Qualification

After passing the test, the participants will receive a certificate of qualification.

Supplementary Material

VDA Volume 6.4
VDA QMC standards collection
DIN EN ISO 9000, 9001, 9004 and 19011
Background and Topics

In the automotive industry, tools, plants, machines, fixtures, measurement and testing set-ups must meet the highest quality standards. As manufacturers of production resources and plants previously could not be certified to VDA 6.1, a modification took place in 1999 which the VDA published as a further certification standard VDA 6.4. Just like VDA 6.1, VDA 6.4 serves as a supplement to ISO 9001 and was fundamentally revised in 2017 on the basis of the new ISO 9001:2015. To the present day, VDA 6.4 is the standard of choice for internationally operating manufacturers and suppliers of production resources, as certification to IATF 16949 is not possible.

For the implementation in one's own organisation as well as for the VDA6.4 certification process, well-qualified auditors are necessary who can obtain their specific expertise in this examination.

Target Audience

This examination is for prospective 1st / 2nd / 3rd party auditors VDA 6.4.

Objectives

In this examination, specialist knowledge and competences of participants are tested. They can achieve the formal evidence of their qualification to conduct 1st / 2nd / 3rd party audits.

Concept and Methods

On the examination day, the participants are given a written examination with 40 questions, which they have 60 minutes to answer. Furthermore, prospective VDA 6.3 1st / 2nd / 3rd party auditors must pass an oral examination consisting of 30 minutes preparation time and a twenty-minute interview with two examiners. For preparation, the training material handed out during VDA trainings (incl. standards) are admitted and must be brought along on the examination day.

Prerequisites for Attendance

Admission is only granted after successful review of the application. The prerequisites vary according to the auditors' sphere of action and include ISO 9001 knowledge and professional experience in automotive production resources. Additionally, the successful completion of “Qualification for 1st / 2nd / 3rd Party Auditor VDA 6.4” is also necessary (see graphical representation on p.46).

For 3rd party auditors, the application for the examination must be made by a VDA-approved certification body.

Certificate and Auditor Card

After passing the examination, the participants will receive a certificate with a registered number in connection with an auditor card and the attendant entry into the VDA QMC database.

Application necessary on www.vda-qmc.de under “Training and Professional Development” / “Application forms”
Background and Topics

In the automotive industry, product audits are an especially important method to ensure product quality. VDA 6.5 is a guideline for managing product audit programmes, which allows organisations to develop a classification scheme adapted to their own products.

With a VDA 6.5 product audit, you can identify customer wishes, review products in this respect, and initiate potential improvement actions. This makes VDA 6.5 an efficient tool to further develop the QM system and products of an organisation. Well-qualified auditors are necessary for the implementation. In this training they can acquire the specific expertise.

Target Audience

This training is for personnel who plan or conduct product audits.

Objectives

In this one-day training, participants are acquainted with the structure of audit programmes and the sequence of a product audit – from planning and conducting to the follow-up, reporting and correction actions to be implemented. Methods are presented for identifying possible risks and product improvements in order to sustainably reduce the complaints ratio.

Concept and Methods

During the training, technical lectures, discussions and exchange of experience alternate.

Prerequisites for Attendance

Participants should already be familiar with product audits.

Certificate of Qualification

After passing the test, the participants will receive a certificate of qualification.

Supplementary Material

VDA Volume 6.5
The use of QM methods supports the targeted implementation of a QM system and helps organisations to identify customer requirements, reduce risks, and make business processes more efficient.

Depending on the specific phase of product realisation, users have various methods for improving products and product characteristics. This training offers a range of tools that have proved especially successful in practice.

QM Methods
- Automotive Core Tools – Compact Training
- Automotive Core Tools – Module I
- Automotive Core Tools – Module II
- Automotive Core Tools – Examination for Certified Automotive Core Tools Professional
- Qualification for Certified Automotive Core Tools Professional – One-Week Training
- VDA 2 – Production Process and Product Approval (PPA)
- Special Characteristics in the Product Engineering Process (PEP)
- NEW · Introduction to Problem Solving in 8 D
- NEW · Application of Problem Solving in 8 D
- VDA 16 – Decorative Surfaces of Accessories and Functional Parts
- VDA SQE – Supplier Quality Engineer – Basic Training
- Maturity Level Assurance for New Parts
- NEW · VDA Field Failure Analysis – Upgrade Training
- NEW · VDA Field Failure Analysis – User Training
- NEW · VDA Field Failure Analysis – Auditor Training
- VDA FQE – Field Quality Engineering
- NEW · Upgrade Training from PSB to Product Safety & Conformity Representative (PSCR)
- NEW · Product Safety & Conformity Representative (PSCR)
- Contract and Product Liability in the Automotive Value Chain
- VDA 5 – Test Process Suitability
- VDA Test Equipment Monitoring
ID 414 · Automotive Core Tools – Compact Training

Background and Topics

The most important QM methods from the viewpoint of automotive industry are summarised under the term “Automotive Core Tools”. This two-day training gives decision makers looking for information and employees, who are interested in further or other functions in their professional environment, the chance to learn about the main contents, possible applications and requirements from the customer’s point of view of automotive core tools.

Target Audience

This training is for project managers and project team members as well as for those who are willing to further qualify themselves in automotive QM methods.

Objectives

In this two-day training, different methods and models are presented, discussed and explained using practical examples. The main topics are the basics of APQP, the maturity level assessment for new parts, PPAP and product and production process approval according to VDA 2. The participants receive an overview of FMEA, SPC, MSA, VDA 5 and control plan, and how to apply them in practice.

Concept and Methods

During the training, technical lectures and exercises alternate to achieve practical relevance for the participants. Thus, they will be prepared for their current and future work environment.

Certificate of Qualification

After passing the test, the participants will receive a certificate of qualification.
Background and Topics

In order to meet the high quality standards of automotive customers a methodical approach is necessary at all stages of the product engineering process. This includes professional planning before start of production. The automotive industry has established the relevant tools – summarised as Automotive Core Tools.

Module I deals with project management in the concept phase and in product and process development, and can be attended independently of Module II. For the examination and the automotive core tools Professional certificate, it is necessary to complete both modules.

Target Audience

This three-day training is aimed at personnel in project teams for product and process design and development, especially from the areas of planning, preproduction, test and inspection planning and quality management.

Objectives

The focus is on teaching specialist knowledge and competences to support successful project work in the automotive industry. This includes knowledge of planning processes and tools as well as understanding the connection between methods. The participants learn how the individual phases of automotive projects are designed as to content, how to support achieving planned results with targeted employment of methods, and how the methods are employed correctly and efficiently. In detail, the topics are the phase plan APQP, maturity level assessment for new parts and the main MLA criteria for product development. Further topics are FMEA, purpose and contents of the control plan, the correlation to process FMEA, PPA (VDA 2) PPAP and problem solving with 8D.

Concept and Methods

During this training, technical lectures, exercises and case studies alternate in order to support the transfer of the topics into the participants’ own work practice with a particular focus on exchanging experiences between participants and the trainer.

Prerequisites for Attendance

Participants should have basic knowledge of automotive quality management and planning.

Certificate of Qualification

After passing the test, the participants will receive a certificate of qualification.

Supplementary Material

Chapter FMEA from the VDA Ring Binder Volume 4
VDA Volume Maturity Level Assurance for New Parts
Background and Topics

In order to meet the high quality standards of automotive customer a methodical approach is necessary at all stages of the product engineering process. This includes professional planning before start of production. The automotive industry has established the relevant tools – summarised as Automotive Core Tools.

Module II deals with the statistical methods applied to process design and development, the transition to serial production and serial production itself, and can be attended independently of Module I. For the examination and the Automotive Core Tools Professional certificate, it is necessary to complete both modules.

Target Audience

This three-day training is aimed at all personnel in project teams for product and process design and development, especially from the areas of planning, preproduction, test and inspection planning and quality management, as well as personnel from production.

Objectives

The focus is on teaching specialist knowledge and competences to support successful project work in the automotive industry. This includes knowledge of planning processes and tools as well as an understanding of the connections existing between the methods. The participants learn how the individual phases of automotive projects are designed as to content, how to support achieving planned results with targeted employment of methods, and how the methods are employed correctly and efficiently. In detail, the topics are basics of statistics, capability, measurement system analysis (MSA) and VDA 5. Further topics are test equipment capability cg and cgk, control charts and process capability pp and ppk and/or cp and cpk.

Concept and Methods

During this training, technical lectures, exercises and case studies alternate in order to support the transfer of the topics into the participants’ own work practice with a particular focus on exchanging experiences between participants and the trainer. In order to work on the exercises, participants should bring a notebook and a triangle ruler to the training.

Prerequisites for Attendance

Basic knowledge in automotive quality management and planning.

Certificate of Qualification

After passing the test, the participants will receive a certificate of qualification.

Supplementary Material

Chapter SPC from the VDA-Ring Binder Volume 4
VDA Volume 5
ID 450 · Automotive Core Tools – Examination for Certified Automotive Core Tools Professional

Background and Topics

In order to meet the high quality standards of automotive customer a methodical approach is necessary at all stages of the product engineering process. This includes professional planning before start of production. The automotive industry has established the relevant tools – summarised as Automotive Core Tools.

With this examination, participants can get independent confirmation of their qualification for Automotive Core Tools, a certificate and an ID card “Automotive Core Tools Professional”.

Target Audience

This examination is aimed at all personnel in project teams for product and process design and development, especially those who are involved in the areas of planning, preproduction, test and inspection planning and quality management, as well as personnel from production.

Objectives

Automotive Core Tools Professionals have knowledge of planning processes and tools as well as an understanding of the connections existing between the methods. They know how the individual phases of automotive projects are designed as to content, how to support achieving planned results with a targeted employment of methods, and how the methods are employed correctly and efficiently.

Concept and Methods

On the examination day, the participants are given a written examination with 40 questions, of which 70% must be answered correctly. Furthermore, automotive core tools professionals must pass an oral examination consisting of 30 minutes preparation time and a twenty-minute interview with two examiners. For preparation, the training material handed out during VDA trainings (incl. standards) are admitted and must be brought along on the examination day.

Prerequisites for Attendance

Successful completion of Modules I and II of Automotive Core Tools is necessary to be admitted to the examination.

Certificate and ID Card

After passing the examination, the participants will receive a certificate with a registered number in connection with an Automotive Core Tools Professional ID card as well as the respective entry into the VDA QMC database.
ID 421 · Qualification for Certified Automotive Core Tools Professional – One-Week Training

Background and Topics
In order to meet the high quality standards of automotive customer a methodical approach is necessary at all stages of the product engineering process. This includes professional planning before start of production. The automotive industry has established the relevant tools – summarised as Automotive Core Tools.

Participants who want to acquaint themselves with the main automotive quality tools within a week can achieve this qualification in this six-day training.

The first part deals with project management in the concept phase and in product and process engineering. The second part addresses the statistical methods applied in process engineering, during the transition to serial production and during serial production, in order to ensure the capability of the measurement systems and production processes. On the examination day, the participants can get independent confirmation of their qualification for the automotive core tools and a certificate and an ID card “Automotive Core Tools Professional”.

Target Audience
This qualification is aimed at all personnel in project teams working in the field of product and process design and development, especially those who are involved in the areas of planning, preproduction, test and inspection planning and quality management, as well as personnel from production.

Objectives
Automotive Core Tools Professionals have knowledge of planning processes and tools as well as an understanding of the connections existing between the methods. They know how the individual phases of automotive projects are designed as to content, how to support achieving planned results with a targeted employment of methods, and how the methods are employed correctly and efficiently.

At the beginning, the topics are the phase plan APQP, maturity level assessment for new parts and the main MLA criteria for product development. Further topics are FMEA, purpose and contents of the control plan, the correlation to process FMEA, PPA (VDA 2) PPAP and problem solving with 8D.

Further topics are the basics of statistics, capability, measurement system analysis (MSA) and VDA 5, and finally test equipment capability cg and cgk, control charts and process capability pp and ppk and/or cp and cpk.
Concept and Methods

During this training, technical lectures and exercises alternate in order to support the transfer of the topics into the participants’ own work practice with a particular focus on exchanging experiences between participants and the trainer. In order to work on the exercises, participants should bring a notebook and a triangle ruler to the training.

On the examination day, the participants are given a written examination with 40 questions, of which 70% must be answered correctly. Furthermore, Automotive Core Tools Professionals must pass an oral examination consisting of 30 minutes preparation time and a twenty-minute interview with two examiners. For preparation, the training material handed out during VDA trainings (incl. standards) are admitted, and these must be brought along on the examination day.

Certificate and ID Card

After passing the examination, the participants will receive a certificate with a registered number in connection with an Automotive Core Tools Professional ID card as well as the respective entry into the VDA QMC database.

Supplementary Material

Chapter FMEA from the VDA Ring Binder Volume 4
VDA Volume Maturity Level Assurance for New Parts
Chapter SPC from the VDA Ring Binder Volume 4
VDA Volume 5

Prerequisites for Attendance

Participants should have basic knowledge of automotive quality management and planning.
ID 410 · Production Process and Product Approval (PPA)

Background and Topics

VDA Volume 2 “Quality Assurance for Supplies” describes the basic requirements for sampling of serial parts submission for automotive serial parts. As an integral part of quality planning, the standard regulates the correct submission of all relevant documents and parts to the customer. This ensures that the customer’s expectations are understood and implemented by the supplier, so that the product can be manufactured to maximum customer satisfaction. This training acquaints the participants with this VDA standard as a method for application.

Target Audience

This training is for quality managers, quality engineers, personnel from purchasing, design and development, logistics or production who are concerned with quality-relevant tasks as well as all interested personnel in the automotive industry.

Objectives

Within the framework of this training, the participants learn what efficient sampling to the customer means and how a PPA procedure is successfully deployed and documented in the initial sample report. Content and structure of the VDA Volume 2 are explained and reference is given to significant German legal and statutory regulations (e.g., BGB, HGB, ProdHaftG, GPSG, KBA, IMDS, REACH). The participants learn about the basic sequence of PPA and sampling, planning and coordination of the PPA procedure, incl. chronological integration into the product engineering process. The trigger matrix, sampling levels, process validation and dealing with small-scale series are further topics, as well as an explanation of the necessary organisation-specific regulation requirement.

Concept and Methods

During this training, technical lectures and case examples alternate in order to support the transfer of the topics into the participants’ own work environment practice with a particular focus on exchanging experiences between participants and the trainer.

Prerequisites for Attendance

Working knowledge of ISO/TS or IATF 16949 basic requirements and experience and knowledge in dealing with customer-specific requirements for sampling processes (e.g. Volkswagen AG, BMW AG and Daimler AG), as well as general basic knowledge of the VDA volumes is advantageous. Attendance of VDA training “Maturity Level Assurance for New Parts” is recommended.

Certificate of Qualification

After passing the test, the participants will receive a certificate of qualification.

Supplementary Material

VDA Volume 2
ID 444 · Special Characteristics in the Product Engineering Process (PEP)

Background and Topics
Special characteristics are product and/or process characteristics that affect functional safety (operational safety and safety in use), conformity with statutory regulations, function, performance, fit, appearance or further processing of the product.

The determination, specification, tracking and documentation of special characteristics is compulsory for automotive organisations, and results from IATF 16949, among others. The VDA volume “Process Description Special Characteristics” presents the recommended approach and is part of this training.

Target Audience
Project managers, project members, executives and interdisciplinary personnel in development, planning, experimentation, manufacture and quality management, as well as personnel involved in defining or providing evidence for special characteristics.

Objectives
In this one-day training, the theoretical basics of special characteristics and the VDA-consistent procedure are presented. Relevant interfaces with other processes, methods and documents, such as FMEA, customer-specific requirements or production control plan and the filter model are explained in detail.

Concept and Methods
During this training, technical lectures and (group) exercises alternate in order to support the transfer of the topics into the participants’ own work environment practice with a particular focus on exchanging experiences between participants and the trainer.

Certificate of Qualification
After passing the test, the participants will receive a certificate of qualification.

Supplementary Material
VDA Volume Special Characteristics
Background and Topics

Effective and efficient problem solving is based on a multi-disciplinary approach and requires involving the competence necessary for problem solving throughout the organisation. This one-day training teaches the three complementary approaches that the term 8D describes: a standard method for problem solving, a problem solving process and a type of report.

Target Audience

Personnel from sales, design and development, customer services and complaints management, production, purchasing, logistics and internal and external quality assurance who are involved in the process of solving problems. Also executives who want an overview of problem solving with 8D in order to support their organisation with this expert knowledge.

Objectives

In this training, participants receive a basic understanding of problem solving with 8D and the added value of an open error culture in the organisation. The revisions to the previous edition are discussed, and an overview is given of problem solving with 8D (method, process, report). The participants learn the application of other problem solving methods and how to differentiate between technical and systemic causes. Furthermore, evaluation criteria are discussed, and topics such as opportunities and risks, roles and responsibility as well as error culture and leadership are discussed.

Concept and Methods

Technical lectures, discussions and exchange of experiences alternate during the training.

Prerequisites for Attendance

Participants should have some experience in handling problems in their own organisation.

Certificate of Attendance

At the end, participants will receive a certificate of attendance.

Supplementary Material

VDA Volume Problem Solving in 8 Disciplines *)
Background and Topics

Effective and efficient problem solving is based on a multi-disciplinary approach and requires the competence necessary for problem solving throughout the organisation. This three-day training teaches the extensive implementation of problem solving with 8D, along with the collectively applicable, supporting quality tools.

Target Audience

This training addresses personnel foremost serving as problem solving experts (e.g., 8D team managers, 8D method experts or 8D facilitators).

Objectives

The participants are enabled to implement the specific problem solving tools sustainably and to lead problem solving teams successfully. The revisions of the previous edition and a review of risks in the scope of 8D application are discussed. Decision criteria for the application of 8D are presented, and differentiation as a standard method for problem solving, as a problem solving process and as a type of report are addressed. The participants learn to use tools and techniques (Is / Is Not, Ishikawa, 5 Why) and the 8 Disciplines in practical application. Furthermore, the connection between symptom and technical root causes is discussed, as well as the identification of systemic root causes. The participants learn about the selection and effectiveness of corrective actions as well as preventive actions (differentiation from lessons learned). Finally, evaluation and maturity level, roles, responsibility and team dynamics as well as error culture, motivation and leadership are topics to be discussed.

Concept and Methods

During this training, technical lectures and (group) exercises alternate in order to support the transfer of the topics into the participants’ own work environment with a particular focus on exchanging experiences between participants and the trainer.

Prerequisites for Attendance

The participants should have some experience in problem solving as well as basic knowledge of applying quality methods.

Certificate of Qualification

After passing the test, the participants will receive a certificate of qualification.

Supplementary Material

VDA Volume Problem Solving in 8 Disciplines *)

*) Modifications reserved.
ID 411 · VDA 16 – Decorative Surfaces of Accessories and Functional Parts in the Exterior and Interior Areas of Automobiles

Background and Topics
If surface specifications are determined too late in serial production they might occasionally cause great additional efforts, for example, as far as selection, scale determination and processing of complaints are concerned, and thus produce increased quality costs. Complying with a zero-error agreement is not feasible due to either absent or not clearly specified features.

In this one-day training the basic procedure of the VDA 16 method is presented and the implementation of surface specifications is practiced with different products or parts.

Target Audience
Project managers, project staff, executives and interdisciplinary personnel from development, planning, manufacture and quality management, as well as personnel responsible for processes in test and inspection realisation of look-and-feel surfaces part inspections.

Objectives
The aim of this training is to show a way to determine the procedure for specifying different look-and-feel characteristics of decorative surfaces. Framework conditions like test and test workplace design are taken into consideration throughout the supply chain in order to avoid process interruptions. With an early definition and determination of the surface specifications in the product engineering process in the sense of a maximum tolerable process location in the feasibility and manufacture analysis, the costs resulting from errors are minimised, and interdepartmental cooperation is optimised throughout the whole process and supply chain. Furthermore, the necessary inspector qualification and “inspection calibration” is presented based on attributive MSA.

Concept and Methods
During this training, technical lectures and examples alternate in order to support the transfer of the topics into the participants’ own work environment with a particular focus on exchanging experiences between participants and the trainer.

Certificate of Attendance
At the end, participants will receive a certificate of attendance.

Supplementary Material
VDA Volume 16

VDA Volume 16 – Decorative Surfaces of Accessories and Functional Parts in the Exterior and Interior Areas of Automobiles

QM METHODS
Background and Topics

Due to increasing globalisation and a consistent trend towards outsourcing services and products, automotive suppliers play an ever larger role. Increasing requirements and changes in procurement opportunities account for new challenges, however, they also make strategic supplier management imperative. As a consequence the parties involved must reassign their roles and tasks: Purchasing has long been about more than just sourcing goods and reducing costs, but now it is responsible for a supplier network that must be controlled. In this three-day training the participants can develop competences in implementing a comprehensive and efficient supplier management.

Target Audience

Executives and personnel from quality, purchasing, production, logistics and development who deal with supplier management.

Objectives

The focus is on teaching the benefits and application of the processes and basic methods in supplier management. Independent of technology, the necessary activities or tasks with their respective objectives, methods of evaluation and deployment from the product engineering process to training management are presented. The participants learn about the role of supplier management in the supply chain and in business processes as well as their configuration in terms of content. The topics supplier selection, customer requirements, purchasing conditions and audit management are explained. Further topics are product and process development and production process and product approval (PPA). And, finally the participants are given an insight into supplier evaluation, supplier development and complaints management.

Concept and Methods

During this training, technical lectures and group exercises alternate in order to support the transfer of the topics into the participants’ own work environment with a particular focus on exchanging experiences between participants and the trainer.

Prerequisites for Attendance

Technical, scientific or business education, knowledge of statistics is necessary in order to attend this training as well as at least one year of professional automotive experience (supply chain) in quality, process or project management. Statistical knowledge is useful.

Certificate of Qualification

After passing the test, the participants will receive a certificate of qualification.
ID 602 · Maturity Level Assurance for New Parts

Background and Topics

The implementation of the VDA standard of Maturity Level Assurance for New Parts aims to attain sustainable improvement of the quality of supplied parts. With this method, a process-accompanying assurance of product maturity is achieved at the start of production: projects are segmented, assessed early on and corrected. Furthermore, a unified concept is provided for cooperation and communication in complex product engineering projects involving many participants in the supply chain.

The implementation of this standard in the automotive and supplier industries requires knowledge and competence in various functions of organisations. This two-day training teaches the requisite expert knowledge.

Target Audience

QA personnel, product managers, project managers in product development, product planners, managers and spokespersons of cross-functional and cross-organisational development teams, persons responsible for components, the suppliers’ customer team and project leaders, key account managers.

Objectives

This training imparts knowledge about maturity level methods (assessment, contents, control and report systematics) that are necessary in maturity level regulatory processes in the product engineering process. It also goes into details of the initial situation and history as well as methods and the basics of maturity level assurance. Furthermore, the measurement criteria are worked out in detail in workshop mode. Additionally, successful and negative examples from organisations are presented and studied. The roles of the participants are explained at the round table “opportunities for cooperation”.

Concept and Methods

During this training, technical lectures and group exercises alternate in order to support the transfer of the topics into the participants’ own work environment with a particular focus on exchanging experiences between participants and the trainer.

Prerequisites for Attendance

Basic knowledge of project work, product engineering process (PEP) and/or parts/components qualification.

Certificate of Qualification

After passing the test, the participants will receive a certificate of qualification.

Supplementary Material

VDA Volume Maturity Level Assurance for New Parts

E-Learning

This training is also available as an e-learning course for 250.- EUR plus VAT. A demo version is available at www.vda-qmc-learning.de.
Background and Topics

Despite increased efforts in development and production processes aiming to provide customers with mature, robust and conforming product, deviations from the expected state can occur when used in the field. Depending on the type of complaint, the potentially nonconforming parts or automotive components are exchanged and can be requested for analysis by the manufacturer (OEM) or by the supplier via the OEM.

The VDA Volume Field Failure Analysis provides a comprehensive approach to identifying causes and was thoroughly revised in 2018. In this one-day training, the focus is specifically for users of the earlier version who wish to be brought up to date.

Target Audience

Personnel from purchasing, design and development, production, warranty, quality assurance and sales in the automotive and supplier industry, who are already familiar with and implement the VDA Volume “Field Failure Analysis 2009”.

Objectives

The focus is on teaching the changes and revisions in the volume Field Failure Analysis 2018. In this training, participants recapitulate part analysis and the NTF process, and deepen their knowledge of the problem solving process. Furthermore, changes in planning and organisational processes are dealt with.

Concept and Methods

During this training, technical lectures and exercises alternate in order to support the transfer of the topics into the participants’ own work environment with a particular focus on exchanging experiences between participants and the trainer.

Prerequisites for Attendance

Participants must have attended a “VDA Field Failure Analysis – Training for Users” in the years between 2009 and 2017.

Certificate of Qualification

After passing the test, the participants will receive a certificate of qualification.

Supplementary Material

VDA Volume Field Failure Analysis
Background and Topics

Despite increased efforts in development and production processes aiming to provide customers with mature, robust and conforming product, deviations from the expected state can occur when used in the field. Depending on the type of complaint, the potentially nonconforming parts or automotive components are exchanged and can be requested for analysis by the manufacturer (OEM) or by the supplier via the OEM.

The VDA Volume Field Failure Analysis provides a comprehensive approach to identifying causes and was thoroughly revised in 2018. This two-day training presents the contents of the current standard for implementation in the participants’ own organisation.

Target Audience

Personnel from purchasing, design and development, production, warranty, quality assurance and sales in the automotive and supplier industry, who implement and further develop the field failure analysis process.

Objectives

The focus is on teaching expert knowledge and competence to implement the field failure analysis method in one’s own work environment. The sequence of the field failure analysis process, concept and part analysis are of special interest. The participants acquire knowledge about the NTF process, special processes and the problem solving process. In addition, planning the whole field failure analysis process and organisational activities to implement and anchor the process in one’s own organisation are dealt with.

Concept and Methods

During this training, technical lectures and exercises alternate in order to support the transfer of the topics into the participants’ own work environment with a particular focus on exchanging experiences between participants and the trainer.

Certificate of Qualification

After passing the test, the participants will receive a certificate of qualification.

Supplementary Material

VDA Volume Field Failure Analysis
Background and Topics

Despite increased efforts in development and production processes aiming to provide customers with mature, robust and conforming product, deviations from the expected state can occur when used in the field. Depending on the type of complaint, the potentially nonconforming parts or automotive components are exchanged and can be requested for analysis by the manufacturer (OEM) or by the supplier via the OEM.

The VDA Volume Field Failure Analysis provides a comprehensive approach to identifying causes and was thoroughly revised in 2018. In this two-day training, the focus is specifically and in detail on the audit questionnaire and on conducting internal and external field failure analysis audits.

Target Audience

This training is geared to quality experts, quality representatives, auditors and personnel processing field failure analyses.

Objectives

The focus is on introducing the audit questionnaire, so that participants can conduct internal and external field failure analysis audits independently and are capable of evaluating the results correctly. Apart from the application of the questionnaire, the requirements for auditors are also discussed. The participants study the evaluation system, the contents of the question catalogue of process steps and planning field failure analysis. Furthermore, part analysis (standard and under load) as well as the NTF process and/or special processes are covered.

Concept and Methods

During this training, technical lectures and exercises alternate in order to support the transfer of the topics into the participants’ own work environment with a particular focus on exchanging experiences between participants and the trainer.

Prerequisites for Attendance

Prerequisites for this training are a VDA auditor qualification or a comparable at least three-day auditor qualification, as well as previous participation in the “VDA Field Failure Analysis – Training for Users”.

Trainings prior to June 2018 were conducted according to the old VDA volume Field Failure Analysis. In this case, participants must also attend the VDA Field Failure Analysis – Upgrade Training (ID 613).

Certificate of Qualification

After passing the test, the participants will receive a certificate of qualification.
Background and Topics

The new VDA Volume Field Failure Analysis (revision 2018) and its embedding in the IATF 16949:2016 underline the demand for a comprehensive and methodical approach to field failure analysis and its implementation within a quality management system. In addition, the VDA audit standard Field Failure Analysis has been integrated into the new edition, and it provides an assessable base for the systematic fulfilment of internal and customer-specific requirements. As a consequence, there is also a change in the requirements for field quality engineering as to control and monitoring of field failure analysis processes as well as the support of internal and external claimants.

This three-day training teaches the systematic and comprehensive understanding of the supply chain as well as methodical approaches to preventive and reactive field failure elimination processes.

Target Audience

Executives and personnel from development, quality assurance, warranty, sales and other areas who want to acquire additional qualification in complaints management, field data analysis, failure analysis and failure elimination processes.

Objectives

The focus is on the tasks, processes and interfaces in field quality engineering and cooperation in the supply chain in the field failure elimination process. Apart the general basics, the product engineering process, field failure analysis and field data management are explained. The participants acquire useful information on the GDPR and how to handle personal information. Further topics are the “No Trouble Found (NTF)” project, actions management, risk prevention and response.

Concept and Methods

During this training, technical lectures and group exercises alternate in order to support the transfer of the topics into the participants’ own work environment with a particular focus on exchanging experiences between participants and the trainer.

Prerequisites for Attendance

Basic knowledge of field failure analysis, process and system audits are required.

Certificate of Qualification

After passing the test, the participants will receive a certificate of qualification.
Background and Topics

Every organisation within the automotive supply chain is obliged to ensure the safety and conformity of its products. To this end, the current legal statuses of product integrity applicable in the respective countries and regions must be observed, also the justifiable safety expectations of the general public. If obviously unsafe products or products whose conformity to legal requirements is questionable are on the market, those who are responsible shall be obliged to take the necessary actions.

These manifold tasks which product safety representative has to deal with are subject to constant change. In order to identify the challenges and implement them in one’s own organisation, it is thus necessary to renew and deepen existing knowledge. This is the aim of this one-day upgrade qualification: It is specifically geared to the requirements in the participants’ daily practice. The newest insights into product integrity are explored in four modules, and the competence as product safety representative is developed.

Target Audience

This training addresses product safety representatives from organisations that are part of the automotive supply chain.

Objectives

The focus is on teaching product safety representatives expert and state of the art knowledge. This strengthens their competence to master their everyday work. Responsibilities throughout the complete supply chain from design and development over manufacture and use all the way to the termination of intended use are also considered.

Particularly, the topics organisation of product integrity, product integrity in the product lifecycle, guidance for product nonconformities and examples for tools and methods are dealt with in particular.

Concept and Methods

During this training, technical lectures and exercises alternate in order to support the transfer of the topics into the participants’ own work environment with a particular focus on exchanging experiences between participants and the trainer.

Prerequisites for Attendance

Participants must have attended a product safety representative training within the past two years and also possess knowledge in automotive quality management.

Certificate of Qualification

After passing the test, the participants will receive a certificate of qualification.

Supplementary Material

VDA Volume Product Integrity and Conformity *)

*) Modifications reserved.
Background and Topics

Every organisation within the automotive supply chain is obliged to ensure the safety and conformity of its products. To this end, in the respective countries and regions current legal statutes on product integrity must be observed, also the justifiable safety expectations of the general public must be fulfilled. With products conspicuously "unsafe" in the market, or whose conformity to legal requirements is questionable, those responsible are obliged to initiate the necessary actions.

In order to be aware of and to understand the many demands addressed to a product safety representative, comprehensive information and qualification is necessary. This is the aim of this two-day qualification: it is specifically geared to the requirements in the participants’ daily work practice. The central topics of product integrity are explored, and the competence as product safety representative is developed in the scope of these five modules.

Target Audience

Automotive executives and personnel who are to be deployed as product safety representatives or who already hold that position.

Objectives

The focus is on the communication of expert knowledge that enables the participants to handle their everyday work more professionally and in a more targeted fashion as prospective or existing product safety representatives. The responsibilities in the whole supply chain from development through manufacture and use up to the end of intended use are dealt with.

After an introduction to the topic the organisation of product integrity, product integrity in the product life cycle, guidance for product nonconformities and examples for tools and methods are discussed.

Concept and Methods

During this training, technical lectures and exercises alternate in order to support the transfer of the topics into the participants’ own work practice with a particular focus on exchanging experiences between participants and the trainer.

Prerequisites for Attendance

In order to attend this training, a technical and / or business education is necessary as well as experience in automotive quality management, especially in complaints and recourse management. Furthermore, the participants should be qualified and experienced in the evaluation of technical product and process risks (e. g., FMEA facilitator, VDA 6.3 process auditor, designer / developer) and be knowledgeable about the use of the organisation’s products, the state of the art as well as the requirements from relevant laws and customer requirements.

Certificate of Qualification

After passing the test, the participants will receive a certificate of qualification.

Supplementary Material

VDA Volume Product Integrity and Conformity *)

*) Modifications reserved.
ID 504 · Contractual and Product Liability in the Automotive Value Chain

Background and Topics

Successful system certification (e.g., according to VDA 6.1 or IATF 16949) requires an organisation to be familiar with the basics of contractual and product liability. Personnel in the organisation must be aware of the effects of a nonconforming product, as relevant to their tasks. The consequences of product liability for the organisation must be basically known to all personnel.

Contractual and product liability are not only based on continually changing legislation, but also on jurisdiction, ignoring which can have grave consequences. Especially within the framework of compliance requirements for the automotive value added chain, personnel must be familiar with the basics of legal business activities. For this purpose, this two-day training on contractual and product liability has been conceived.

Target Audience

(Prospective) executives and personnel from all areas of the organisation (development, planning, production, quality assurance, sales, customer service, management) with technical and commercial training.

Objectives

The focus is on teaching expert knowledge and competence with which the participants can successfully implement the basics of contractual and product liability within their field of activity. The current legal basis of product liability, contractual liability in the automotive value chain and criminal product liability are explained. Further topics are quality assurance agreements, compliance requirements in the value chain and US product liability basics. The participants thus learn to assess and avoid product liability risks.

Concept and Methods

Technical lectures are complemented by legal questions in case examples, that support the transfer of the topics into the participants’ own work environment with a particular focus on exchanging experiences between participants and the trainer.

Certificate of Attendance

At the end of this training course, participants will receive a certificate of attendance.
ID 471 · VDA 5 – Capability of Measurement Processes

Background and Topics

Various standards and guidelines contain requirements to determine and account measurement uncertainties. Organisations are thus confronted with many questions upon establishing and certifying their quality management system.

VDA Volume 5 describes how to comply with these requirements: e.g., by correct selection of test equipment, internal determination of calibration uncertainty or continuous monitoring of test processes. This two-day training contains all the topics related to test process suitability one should be familiar with.

Concept and Methods

During this training, technical lectures and group exercises alternate in order to support the transfer of the topics into the participants’ own work environment with a particular focus on exchanging experiences between participants and the trainer.

Target Audience

Personnel responsible for planning, selection, purchasing, approval and monitoring, as well as calibration of measurement and test equipment or machines and facilities, personnel from organisations that manufacture test equipment, or personnel concerned with product design and the definition of tolerances.

Prerequisites for Attendance

Knowledge of test equipment capability and/or measurement system analysis procedures.

Objectives

The participants acquire the expert knowledge to enable them to apply the methods mentioned in VDA Volume 5 in their practical work environment and to identify and calculate the variables which have an influence on test process suitability. Furthermore, they learn about the differences between VDA 5 and MSA-AIAG and a selection of new criteria for purchasing measurement and test equipment. DIN V EN V 13005 (GUM) and DIN EN ISO 14253 T1 are also introduced. It is explained how to provide evidence of measurement system and measurement process suitability and how to consider extended measurement uncertainty near the specification limits. Testing attribute characteristics and validation of measurement software are further subjects.

Certificate of Attendance

At the end of this training course, participants will receive a certificate of attendance.

Supplementary Material

VDA Volume 5

VDA Volume 5 – Capability of Measurement Processes
Background and Topics

The quality of manufactured products or of services is monitored and controlled with test equipment. Thus, it is obvious that test processes also play a decisive role alongside manufacturing processes. Stable and consistently high quality can only be assured with suitable and reliable test equipment.

This two-day training acquaints the participants with the “functional area” of metrology, and gives them an insight into practical and efficient test equipment management based on many examples and group exercises.

Target Audience

Personnel responsible for planning, selection, purchasing, approval and monitoring, as well as calibration of measurement and test equipment, personnel from organisations manufacturing measurements equipment and from calibration laboratories.

Objectives

The focus is on teaching expert knowledge and competence to acquaint the participants with the necessary requirements for their work and how to implement them in practice. Topics are the basics of metrology, handling test equipment, structuring testing instructions and the validation of software. On the basis of current international standards and guidelines as well as the VDI and DKD guidelines, the participants are given valuable information for planning and conducting calibrations.

Concept and Methods

During this training, technical lectures, examples and group exercises alternate in order to support the transfer of the topics into the participants’ own work environment with a particular focus on exchanging experiences between participants and the trainer.

Prerequisites for Attendance

Basic knowledge of metrology and measurement system analysis.

Certificate of Attendance

At the end of this training course, participants will receive a certificate of attendance.

ID 473 · VDA Test Equipment Monitoring
Qualification in Cooperation

VDA QMC Training and Professional Development also provides qualifications in cooperation with prestigious partners:
- Volkswagen Bildungsinstitut: Formula Q
- VDA: Global MMOG
- MethodPark: Automotive SPICE®
- Fraunhofer Institut: Technical Cleanliness VDA 19.1 and VDA 19.2
- TÜV SÜD Akademie: Functional Safety
ID 516 · Formula Q – Compact

Background and Topics

Formula Q is a body of rules containing all of Volkswagen’s requirements for quality and project management for cooperation with supply chain partners. The fulfillment of these requirements aims to ensure a smooth product engineering process and series delivery to the satisfaction of the customer.

In cooperation with the Volkswagen Bildungsinstut GmbH, this training presents these binding requirements in detail.

Target Audience

Executives and personnel from all parts of the process chain from planning, purchasing, manufacture, logistics and quality assurance.

Objectives

The focus is on teaching the requirements of the Volkswagen group pertaining to Formula Q-Concrete, Formula Q-Capability and Formula Q-New Parts Integral. The participants receive a basic overview of Formula Q and work through the query and placing phase with the trainer. Further topics are Formula Q in design cooperation with Volkswagen Group, product and process approval as well as serial operation. Furthermore, some applications, such as QPN, self-audit and QTR are explained.

Concept and Methods

During this training, technical lectures and group exercises alternate in order to support the transfer of the topics into the participants’ own work environment with a particular focus on exchanging experiences between participants and the trainer.

Certificate of Qualification

After passing the test, the participants will receive a certificate of qualification.
Background and Topics

The “Global Materials Management Operations Guideline / Logistics Evaluation”, for short: Global MMOG/LE, is an industrial standard that provides a unified evaluation procedure for automotive logistical suppliers. The tool enables OEMs and suppliers to evaluate suppliers’ logistical performance capability and internal processes. It provides a basis for benchmarking and the identification of “best practice criteria”.

GMMOG/LE is being continually further developed by automotive organisations. “Odette”, a union of several European automotive associations (among others VDA), cooperates closely with the US Automotive Industry Action Group (AIAG).

This two-day training teaches the participants the competence to implement the GMMOG/LE standard in their own organisation.

Target Audience

Logisticians, purchasers, and personnel from supplier management and supplier integration.

Objectives

In this two-day training, the participants receive an overview of the contents of GMMOG/LE and get to know the objectives and advantages of this standard as well as its correct implementation. The GMMOG preparation phase and the GMMOG supplier evaluation criteria and process are explained. The participants also learn how to analyse GMMOG/LE results and to create effective action plans.

Concept and Methods

During this training, technical lectures and conducting an evaluation with two case studies alternate in order to support the transfer of the topics into the participants’ own work practice with a particular focus on exchanging experiences between participants and the trainer.

Prerequisites for Attendance

Knowledge of the target audience’s scope of duties.

Certificate of Attendance and Certificate

At the end of this training course, participants will receive a certificate of attendance. It is also possible to sit a test after the training. After passing the test, the participants will receive the respective certificate.

Dates and Fees

Dates and fees under: www.vda.de/gmmog
Background and Topics

ISO/IEC 330xx series – called SPICE (Software Process Improvement and Capability Determination) – as the successor of ISO/IEC 15504 is a widely used and accepted standard for evaluating and improving software development processes. It is applied worldwide and specially by the automotive industry in Germany.

Automotive SPICE® has been available since 2006. It is an assessment model compliant with ISO/IEC 330xx and adapted to the needs of the automotive industry. Since 2007, Automotive SPICE® is the yardstick for the development of software systems for automotive suppliers and a permanent feature of the OEMs’ supplier assessment.

This one-day training gives the participants an insight into SPICE® and the sequence of a SPICE® assessment.

Concept and Methods

During this training, technical lectures exercises and case examples alternate in order to support the transfer of the topics into the participants’ own work environment with a particular focus on exchanging experiences between participants and the trainer.

Certificate of Attendance

At the end of this training course, participants will receive a certificate of attendance.

Supplementary Material

Booklet Automotive SPICE®

Target Audience

Executives of companies with automotive manufacturers and suppliers, e.g., project managers, coordinators and quality personnel from development, supplier management and purchasing.

Objectives

The participants receive an overview of ISO/IEC 330xx and Automotive SPICE®, the assessment of development processes according to Automotive SPICE® as well as process areas. Further topics are the Automotive SPICE® assessment model according to the HIS scope, the assessment process according to the blue-gold VDA QMC volume and the benefit of Automotive SPICE® in system development.
Background and Topics

The ISO/IEC 330xx series – called SPICE (Software Process Improvement and Capability Determination) – is the successor of ISO/IEC 15504 and thus a widely used and accepted standard for assessing and improving software engineering processes. Worldwide and especially by the automotive industry in Germany.

Automotive SPICE® has been available since 2006. It is an assessment model compliant with ISO/IEC 330xx and adapted to the needs of the automotive industry. Since 2007, Automotive SPICE® is the yardstick for the development of software systems for automotive suppliers and a permanent feature of the OEMs’ supplier assessment.

This two-day training imparts a substantial understanding of Automotive SPICE® based on ISO/IEC 330xx.

Concept and Methods

During this training, technical lectures, exercises and case examples alternate in order to support the transfer of the topics into the participants' own work environment with a particular focus on exchanging experiences between participants and the trainer.

Certificate of Attendance

At the end of this training course, participants will receive a certificate of attendance.

Supplementary Material

Booklet Automotive SPICE®

Target Audience

Personnel from development projects in the automotive environment (e.g., developers, testing engineers, project managers) quality and process engineers as well as others involved in these projects.

Objectives

The participants are introduced to the Automotive SPICE® method and the assessment model, and receive a detailed explanation of the process areas and individual processes from the HIS Scope. Furthermore, the procedure used in an Automotive SPICE® assessment and the capability levels 2 and 3 are presented in detail.
Background and Topics

ISO/IEC 15504 and its successor ISO/IEC 330xx (SPICE: Software Process Improvement and Capability Determination) constitute a worldwide standard for assessing process capability and process improvement in software engineering and software-based systems. In automotive industry, the derived version “Automotive SPICE®” is applied for assessing and qualifying the control device and software suppliers.

This training prepares you for the examination “intacs™ Certified Provisional Assessor (Automotive SPICE®)”. You will learn about Automotive SPICE®. The contents, discussions and exercises will enable you to accompany assessments as co-assessor and improve processes based on this standard.

Concept and Methods

Trainer for this training are all accredited as “intacs™ certified Instructor” and also have certification for “intacs™ certified Principal Assessor”. The participants will be provided with all training material in paper and electronically as pdfs. The document language is English, independent of the course language.

During this training, technical lectures and group exercises alternate in order to support the transfer of the topics into the participants’ own work environment with a particular focus on exchanging experiences between participants and the trainer.

Prerequisites for Attendance

Participants should possess several years’ professional experience in the IT sector (e.g., software / system engineering, project management, quality management or similar). The prerequisites for registration as “intacs™ certified Provisional Assessor” can be downloaded in the currently valid version at www.intacs.info.

Target Audience

Personnel wanting to conduct Automotive SPICE® assessments, personnel in process groups, process and project managers responsible for complying with Automotive SPICE® processes.

Objectives

The content is equivalent to the curriculum published by intacs™. The current intacs™ training material is also provided. The participants are given an overview of the standard ISO/IEC 15504 resp. ISO/IEC 330xx and learn about the motivation for processes and process improvement. The intacs™ – “International Assessor Certification Scheme” is explained and an introduction to the assessment model and the capability levels is given. An overview of the assessment process including interview techniques and document inspection are also presented. Additionally, there is an introduction to the Process Assessment Model (PAM) “Automotive SPICE®” with a discussion of the processes from the HIS Scope as well as details on capability levels 2 and 3. Furthermore, the participants are prepared for the ensuing examination.

Certificate of Attendance and Certificate

At the end of the training, the participants will receive a certificate of attendance. For a successful certification as “intacs™ certified Provisional Assessor” at a later date, the attendance certificate (2 missed lessons at maximum) as well as passing the independent examination are required. It is recommended to revise the material after every training day and to prepare independently for the examination.

Supplementary Material

Automotive SPICE® booklet, Automotive SPICE® in practice
Background and Topics

ISO/IEC 15504 and its successor ISO/IEC 330xx (SPICE: Software Process Improvement and Capability Determination) constitute a worldwide standard for assessing process capability and process improvement in software engineering and software-based systems. In automotive industry, the derived version “Automotive SPICE®” is applied for assessing and qualifying control device and SW suppliers.

This training builds on the experiences from the training for Provisional Assessor and prepares you for the examination “intacs™ Certified Provisional Assessor (Automotive SPICE®)”. You will consolidate your knowledge about the application of the standard Automotive SPICE®. The contents, discussions and exercises will enable you to conduct and be responsible for assessments as lead Competent Assessor.

Target Audience

Certified Provisional Assessors who want to conduct Automotive SPICE® assessments in a responsible role.

Objectives

The content is equivalent to the curriculum published by intacs™, and the current intacs™ training material is also provided. The participants learn how to plan, manage and conduct Automotive SPICE® assessments and to deal with extreme situations and lead teams. They learn about the process dimension of ISO/IEC 15504 and/or ISO/IEC 330xx and the capability dimension of ISO/IEC 15504 and/or ISO/IEC 330xx (especially capability level 4 and 5).

Furthermore, assessment reporting and conducting assessments at different locations is explained. The coaching of prospective Competent Assessors is introduced. The participants are also prepared for the examination.

Concept and Methods

Trainer for this training are all accredited as “intacs™ certified Instructor” and also have certification for “intacs™ certified Principal Assessor”. The participants will be provided with all training material in paper and electronically as pdfs. The document language is English, independent of the training language. During this training, technical lectures and group exercises alternate in order to support the transfer of the topics into the participants’ own work practice with a particular focus on exchanging experiences between participants and the trainer.

Prerequisites for Attendance

Participants should possess several years’ professional experience the IT sector (e. g., software / system engineering, project management, quality management, or similar). They should be certified as Provisional Assessor and have assessment experience. The prerequisites for registration as “intacs™ certified Competent Assessor” can be downloaded in the currently valid version at www.intacs.info.

Certificate of Attendance and Certificate

At the end of the training, the participants will receive an attendance certificate. For a successful certification as “intacs™ certified Competent Assessor” at a later date, the attendance certificate (2 missed lessons at maximum) as well as passing the independent examination are required. It is recommended to revise the material after each training day and to prepare independently for the examination.

Supplementary Material

Automotive SPICE® booklet, Automotive SPICE® in practice

ID 911 · intacs™ certified Competent Assessor (Automotive SPICE®)
Background and Topics

Technical cleanliness of components and assembly groups is an important functional characteristic in the manufacture of modern vehicles.

The VDA volume 19.1 “Inspection of Technical Cleanliness – Particulate Contamination of Functionally Relevant Automotive Components” is the first comprehensive standard publication to deal with the approach and procedures to characterise cleanliness of products in the automotive quality chain. This red volume VDA 19 was first officially introduced by the VDA QMC in January 2005, and is now available in a completely revised and extended edition since 2015.

Target Audience

Automotive, supplier or service personnel who conduct cleanliness inspections or personnel confronted with the quality factor technical cleanliness in their daily work, such as construction, quality assurance, technical purchasing and sales personnel. Due to the similar cleanliness requirements in the sectors aerospace, hydraulics and precision engineering, this training is also suitable for personnel from these backgrounds.

Objectives

This training enables the participants to independently design cleanliness analyses according to VDA 19.1, conduct them with up-to-date equipment and document them in the required manner. Furthermore, the background to the technical necessity of cleanliness inspections and cleanly behaviour is explained.

The compatibility between VDA 19.1 and ISO 16232 (Part 1-10) “Road Vehicles – Cleanliness of Components of Fluid Circuits” also enables participants to conduct cleanliness analyses according to the international standard.

The participants learn about the background to the quality factor technical cleanliness in automotive construction and the extraction procedures for particle contaminations in components, the analytical procedures for the evaluation and quantification of practical contaminations. Furthermore, the cleanliness inspection according to VDA volume 19.1 – abatement measurements, blind values, routine inspections - is also introduced.

This 1-day training can also be attended as delta training by those who already have a certificate for Inspector for Technical Cleanliness. The theoretical basics also convey comprehensive knowledge of the new and revised VDA volume 19.1 (2015). An additional examination is not necessary.
Concept and Methods

During this training, technical lectures and practical exercises alternate in order to support the transfer of the topics into the participants' own work environment with a particular focus on exchanging experiences between participants and the trainer.

On the optional examination day, the participants undergo a written examination with 30 questions. Prospective Inspectors for Technical Cleanliness must also pass a practical examination. This consists of a case example the participants have to work on and present independently, as well as practical exercises in the cleanliness lab. The number of participants on the examination day is limited to twelve.

Certificate of Attendance, Certificate and ID Card

At the end of this training course, the participants will receive a certificate of attendance from the Fraunhofer Institut.

After passing the written and practical exams, the Fraunhofer Institut and the VDA QMC will issue you a certificate and an ID card which shows you as “Inspector for Technical Cleanliness”.

Dates and Fees

Dates, fees and registration under:
www.cleanmanufacturing.fraunhofer.de/en.html
In order to guarantee for the technical functioning of modern vehicles, cleanliness in the assembled systems and fluid circuits is getting increasingly important. Past experience has shown that in order to guarantee cleanliness quality, the cleanliness of the assembly components is decisive but not sufficient by itself. After cleaning individual parts, many influencing factors and processes can cause re-contamination of parts or assembly groups with functionality-critical particles critical to function. The identification and assessment of these deviations from cleanliness quality and the selection of cost-efficient preventive and corrective actions constitute a comprehensive challenge.

VDA volume 19.2 – Technical Cleanliness in Assembly – Environment, Logistics, Personnel and Assembly Equipment, introduced by the VDA QMC in 2010, is the first comprehensive guideline to structured planning of clean assembly and adjoining areas.

The training enables participants to deduce and assess actions for preventing re-contamination based on the cleanliness specifications pertaining to parts or systems. The guideline and the training divide the substantial cleanliness planning and optimising process into compact and manageable individual packages. The separate, but comprehensive treatment of the influencing factors environment, logistics, personnel and assembly equipment and the methods for measuring cleanliness influences enables the participants to approach technical cleanliness independently and systematically, and also to identify non-productive or excessive cleanliness actions and so to avoid misinvestment.

Contents of the training are methods and strategies for improving technical cleanliness of products and design the construction environment and human resource activities. Concerning logistics, packaging, transport, storage and double-door concepts from the viewpoint of cleanliness are looked into. The participants learn about clean assembly equipment, e.g., work place and facilities, joining processes, assembly strategies. In addition, the techniques and approaches designed to quantify the influential parameters affecting cleanliness are presented.
Concept and Methods

During this training technical lectures and practical exercises alternate in order to support the transfer of the topics into the participants’ own work environment with a particular focus on exchanging experiences between participants and the trainer.

On the optional examination day, the participants undergo a written examination with 30 questions. Participants must also pass a practical examination. The latter consists of a case example the participants have to work on and present independently, as well as practical exercises in the cleanliness lab. The number of participants on the examination day is limited to twelve.

Certificate of Attendance, Certificate and ID Card

At the end of the training course, the participants will receive a certificate of attendance from the Fraunhofer Institut.

After passing the written and practical exams, the Fraunhofer Institut and the VDA QMC will issue you with a certificate and an ID card which shows you as “Planner for Technical Cleanliness”.

Dates and Fees

Dates, fees and registration under:
www.cleanmanufacturing.fraunhofer.de/en.html
ISO 26262 Training - Introduction to Functional Safety according to ISO 26262

Background and Topics

Across all sectors, Functional safety has acquired significance. For the automotive industry, the safety standard ISO 26262 “Road vehicles - Functional safety” describes an approach (safety lifecycle) with associated activities and work products as well as applicable methods for development, production and use of safety-relevant electric / electronic systems (E/E systems) in road vehicles.

This one-day training offers an introduction to Functional safety according to ISO 26262.

Target Audience

Managers, executives, project managers, personnel responsible for systems and components, system, hard and software developers, safety managers and quality and process representatives, whose current or future field of work encompasses the development and / or deployment of safety-relevant E/E systems in road vehicles.

Objectives

The focus is on teaching the basics of Functional safety. Safety standards and standardisation processes are explained and ISO 26262 is presented, as the sector-specific derivation of IEC 61508. Additionally, the participants learn about the applicability of ISO 26262, the automotive safety lifecycle and supporting processes for Functional safety. Furthermore, this training deals with managing Functional safety, verification and validation activities, and the division of labour between OEM and suppliers (DIA). Finally, the participants are also introduced to method tables and method selection.

Certificate of Attendance

At the end of the training, the participants will receive a certificate of attendance from TÜV SÜD Akademie.

Dates and Fees

Dates, fees and registration information under:
www.tuev-sued.de/rail-en/automotive
ISO 26262 Training - Functional Safety according to ISO 26262: Concept Phase and Product Development

Background and Topics

Across all sectors, Functional safety has acquired significance. For the automotive industry, the safety standard ISO 26262 “Road vehicles – Functional safety” describes an approach (safety lifecycle) with associated activities and work products as well as applicable methods for development, production and use of safety-relevant electric / electronic systems (E/E systems) in road vehicles.

Based on the safety lifecycle of ISO 26262, central activities and questions around concept phase and product development are dealt with on the system, hardware and software level in this training.

This two-and-a-half-day training builds upon the training “Introduction to Functional Safety according to ISO 26262”.

Objectives

The focus is on teaching specialist knowledge at the level of current international standards dealing with Functional safety and the central questions relating to the concept phase and product development. System, hardware and software development are explained as well as the provision of safety evidence, Functional safety assessment and release for production. Further interdisciplinary topics are also dealt with.

Prerequisites for Attendance

Good previous knowledge of the structure of the standard ISO 26262 is required.

Certificate of Attendance

At the end of the training, the participants will receive a certificate of attendance from TÜV SÜD Akademie.

Target Audience

Managers, executives, project managers, personnel responsible for systems and components, system developers, hard and software developers, safety managers and quality and process representatives, whose current or future field of work encompasses the application and / or deployment of safety-relevant E/E systems in road vehicles.

Dates and Fees

Dates, fees and registration information under:
www.tuev-sued.de/rail-en/automotive
Additional Information

Of course, we would like to give you additional information about our trainings.

In the following, you will find an overview of who we are and of our publications. And all you need to know about registration.
• The Quality Management Center in the German Association of the Automotive Industry e. V. (VDA QMC)

• Registration and Payment Conditions

• VDA QMC Publications

• Imprint
The Quality Management Center in the German Association of the Automotive Industry e. V. (VDA QMC)

The Quality Management Center (QMC) has been available to German automotive manufacturers and their suppliers since 1 August 1997. The QMC is attached to the Verband der Automobilindustrie e. V. (VDA) in Dr. Joachim Damasky’s division under the management of Heinz Günter Plegnier.

The tasks and services provided by the QMC are as varied as the issues of automotive quality management we deal with every day. The spectrum ranges from the development of systems and methods to the design of the future of quality management systems in the automotive industry.

These developments and the orientation of the QMC are controlled by the top committee in German automotive quality issues, the QM Committee. Here, all automotive manufacturers and a representative selection of automotive suppliers are represented by their QM directors and the VDA by a managing director.

At present, quality management experts, delegated by automotive manufacturers and suppliers, work on the various automotive QM issues. This way, the QMC manages to work out harmonised standards and keep them up to date.

The task of training and professional development in the VDA QMC is primarily to communicate to the automotive personnel the issue the working groups have developed in the shape of sector-specific quality management trainings. The great advantage of VDA QMC training and professional development is that subject matter is developed under the roof of the VDA QMC by the same people that conduct the trainings as VDA QMC trainers.
Registrations and Payment Conditions

General Details

Please only use our registration forms and fill them out completely and legibly. We need your correct information to issue the VDA QMC certificates and, if applicable, a digital photo for the auditor card. For some trainings, there are special prerequisites concerning professional qualifications and experience. If required prerequisites are not fulfilled, the VDA QMC will reserves the right to decline the registration to a training.

- Book our trainings online: at www.vda-qmc.de you will find our trainings that lead you to the online booking.

Terms of Payment

The following terms of payment apply regardless of the method of payment: Immediately after the receipt of your application you will receive a confirmation of receipt from us. Normally, the invoice will be sent to you directly after the event and will be due without deduction.

Cancellation/Rebooking

Please send us your cancellations/rebookings in writing by post or e-mail. The following fee table applies for cancellations of all events:

- 6 weeks before the start of the event: free
- From 4 to 6 weeks before the start of the event: 25% of the event price
- From 2 to 4 weeks before the start of the event: 50% of the event price
- Less than 2 weeks before the start of the event: 100% of the event price

The cancellation fees naturally shall not apply if a replacement participant is provided.

In case of multiple part events, the first event day of the first event block is always considered for calculation of the cancellation fee, irrespective of the event part cancelled.

If an event is overbooked or cannot take place due to force majeure (e.g. the trainer falls ill on short notice) we will inform you immediately. If the number of registered participants is too small, we will reserve the right to cancel the event up to seven days before it begins. In either case we will try to offer you a new event date.
Please see our webshop at www.webshop.vda.de/QMC/en/ for details on current prices and editions.

Our current VDA volumes “Quality Management in the Automotive Industry” (red volumes)

**VDA Volume 1 @**
Documented Information and Retention

**VDA Volume 2 @**
Quality Assurance for Supplies - Production Process and Production Approval PPA

**VDA Volume 3 Part 2 @**
Reliability Assurance of Car Manufacturers and Suppliers - Reliability Methods and Tools

**VDA Volume 4 Ring Binder @**
Quality Assurance in the Process Landscape

**VDA Volume 5 @**
Capability of Measurement Processes - Capability of Measuring Systems

**VDA Volume 5 Part 1 @**
Traceable Inline Metrology in Car Body Manufacture, Supplementary Volume to VDA 5, Capability of Measurement Processes

**VDA Volume 5 Part 2 @**
Capability of Measurement Processes for the Torque Inspection on Bolted Joints

**VDA Volume 6 @**
Certification Requirements for VDA 6.1, VDA 6.2 and VDA 6.4

**VDA Volume 6 Part 1**
QM-System Audit Serial Production

**VDA Volume 6 Part 2 @**
QM System Audit - Services - Special Requirements for Service Organisations in the Automotive Industry

**VDA Volume 6 Part 3 @**
Process Audit - Product Development Process / Serial Development Process / Providing the Service

**VDA Volume 6 Part 3 – Auditor Edition**
Current Volume 6 Part 3 as a Ring Binder

**VDA Volume 6 Part 4 @**
QM System Audit - Production Equipment

**VDA Volume 6 Part 5 @**
Product Audit

**VDA Volume 6 Part 7 @**
Process Audit - Production Equipment - Product Creation Process / Unit Production

**VDA Volume 7 @**
Exchanging Quality Data - QDX - Quality Data eXchange V2.1

**VDA Volume 9 @**
Quality Assurance - Emissions and Fuel Consumption - CoP Tests on Passenger Cars and Light Commercial Vehicles

**VDA Volume 14 @**
Preventive Quality Management Methods in the Process Landscape

**VDA Volume 16 @**
Decorative Surfaces of Accessories and Functional Parts in the Exterior and Interior Areas of Automobiles

@ also available as e-book
VDA Volume 19 Part 1 @
Inspection of Technical Cleanliness - Particulate Contamination of Functionally Relevant Automotive Components

VDA Volume 19 Part 2 @
Technical Cleanliness in Assembly - Environment, Logistics, Personnel and Assembly Equipment

VDA Volume 8D Method *)
Problem Solving in 8 Disciplines

VDA Volume Product Integrity and Conformity *)
Our updated volumes “Joint Quality Management in the Supply Chain” (Blue-Gold Volumes)

Automotive VDA Component Requirement @
Specification Standard Structure

Guidelines when using CE components @
Guidelines on Analysing Possible Scenarios and Risks when Using Consumer Electronics Components in Vehicles

Maturity Level Assurance for New Parts @
Methods, Measurement Criteria, Documentation

Robust Production Process @
Pre-requisites, Standards, Controlling, Examples

Field Failure Analysis + Audit Standard @ *)

Standard Process for Handling Customer Complaints @

Automotive SPICE® - Guidelines @

Available as e-book only

Car-Washes
Criteria for car-washes conforming to VDA specifications

Quality-related Costs

Minimizing Risks
Minimizing Risks in the Supply Chain

IATF-Publications
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Homepage: www.smmt.co.uk

Automotive Quality Management System Standard IATF 16949 @
Quality Management Systems Requirements for Automotive Production and Relevant Service Parts Organisations

IATF Auditor Guideline for IATF 16949

Automotive Certification Scheme for IATF 16949
Rules for Achieving and Maintaining IATF Recognition

Available as an app

Method Assessment Analysis Tool

VDA 6.3 Analysis Tool

*) Modifications reserved.