VDA | QMC

Qualitäts Management Center
im Verband der Automobilindustrie

Newsletter 06/2019

9th VDA Automotive SYS Conference
26 – 28 June 2019, Potsdam

Melden Sie sich jetzt an!

Inhalt

QM Conferences

Publications

Training and Professional Development

9th VDA Automotive SYS Conference

Quality, Safety and Security for Automotive Software-based Systems 26–28 June 2019, Potsdam

Conference Dates

Date	Time	Topics
26 June 2019	9:00 am to 05:00 pm	Workshop day
27 June 2019	9:00 am to approx. 05:00 pm	Keynotes, lectures, panel discussion and social event
28 June 2019	8:00 am to approx. 03:00 pm	Keynotes, lectures

Participation Fee for the Conference and Workshops

1 day	Price: *€ 890.00 (plus VAT)
2 days	Price: *€ 1,290.00 (plus VAT)
3 days	Price: *€ 1,490.00 (plus VAT)

* The fee includes: conference documentation, light meals on all days, cocktail reception and social event with dinner on 27 June 2019.

Conference Location

Kongresshotel
Potsdam am Templiner See
Am Luftschiffhafen 1
14471 Potsdam

Telephone: +49 331 / 907-0
Fax: +49 331 / 907-70777
Email: info@hukg.de
Web: www.kongresshotel-potsdam.de

Wednesday, 26 June 2019

9:00–10:00	Workshop registration	
10:00–13:00	Workshop A1, B1, C1	
Workshop A1	How to fulfill IATF 16949 software related requirements using Automotive SPICE	Bernhard Sechser (Process Fellows GmbH) Norbert Haß (VDA QMC)
Workshop B1	Agile in Automotive – Yet another ticket to trade?!	Horst Hientz, Florian Kneisel (KUGLER MAAG CIE GmbH)
Workshop C1	Exchange of experience for lead assessors	Klaus Hörmann, Volker Lehmann, Bhaskar Vanamali (intacs e.V.) Achim Hoenow (Continental Corporation) Peter Petersen (Sharpen360)
13:00–14:00	Lunch break	Lunch break
14:00–17:00	Workshop A2, B2, C2	Workshop A2, B2, C2
Workshop A2	Project acceleration plus streamlining ISO26262 compliance assurance through SafeSCRUM	Wolfgang Mickisch, Matthias Größler, Christoph Hauck (Functional Safety & Quality Experts GmbH)
Workshop B2	Ensuring traceability of a model-driven architecture in an agile environment	Philipp Peters, Beate Strüber (Ibeo Automotive Systems GmbH)
Workshop C2	Opportunity or burden – 7 ideas for implementation of Mechanical SPICE	Timo Karasch, Holger Höhn (Process Fellows GmbH)

Thursday, 27 June 2019

08:00–09:00	Conference registration	
09:00–09:30	Welcome note	Joachim Damasky (Managing Director / German Association of the Automotive Industry (VDA))
09:30–10:15	Opening keynote Large Scale AI Deployment	Joachim Langenwalter (Director Automotive Software, NVIDIA)
10:15–10:45	Morning break	
10:45–12:10	Sessions A1, B1, C1	
Session A1 Quality assurance	Fulfilling IATF 16949 requirements in software-based automotive applications	
	Automotive Standards Compliance Cost Reduction by Mutual Integration between Automotive SPICE and IATF 16949:2016	Samer Makkar (Valeo)
	How a mature organisation for ASPICE can help in fulfilling IATF 16949 requirements	Leonardo Ricci (Magneti Marelli Powertrain S.p.A.)
Session B1 AI/Machine learning	Introduction to Artificial Intelligence / Machine learning	
	A Brief History of Mobile Robotics and Automated Driving	Daniel Göhring (Freie Universität Berlin)
	Dependable Autonomous/ Cognitive Systems	Henrik Putzer (fortiss GmbH)
Session C1 Safety	Multi-Core systems and applications	
	Data Consistency in Automotive MultiCore - Towards an automatized indication of consistency requirements	Ralph Mader (CPT Group GmbH)
	System's Consolidation: Towards the safe and secure use of performancecentric multicore platforms	Kai Lampka (Elektrobit Automotive GmbH)
12:10–12:30	Open Space Session A1, B1, C1	
12:30–13:30	Lunch break	

13:30–15:40	Sessions A2, B2, C2	
Session A2 Quality assurance	Customer – Supplier relationships	
	A proposal for an efficient and compact way of handling customer process requirements	Martina Richerzhagen (ZF Friedrichshafen AG)
	The challenge of a new supplier management method for the development of an automated driving system	Yasuhiko Sugo (Honda R&D Co., Ltd.)
	PISA Model: A novel improvement scheme for development projects in automotive	Fabio Falcini, Giuseppe Lami (ISTI-CNR)
Session B2 AI/Machine learning	Artificial Intelligence and Machine learning	
	Best practices in machine learning: How to assure quality in your automotive project	Stefan Studer (Daimler AG)
	Safety argument for AI based systems in the context of highly automated driving	Gesina Schwalbe (Continental Automotive)
	Enhancement of Deep Learning Neural Networks for Safety	Ulrich Bodenhausen (Ulrich Bodenhausen – AI Coaching and Vector Consulting Services GmbH)
Session C2 Security	Session focus on security in safety related applications	
	INTACS Security SPICE Assessment Model I what comes on top?	Thomas Liedtke (Kugler Maag Cie GmbH) Steffen Zindler (Volkswagen AG) André Zeh (F+S Fleckner und Simon Informationstechnik GmbH)
	Safety is important, security as well	Helen Buchumensky (Karamba Security)
	Automated generation of security configurations for safety critical automotive systems	Rudolf Schreiner, John Favaro (ObjectSecurity OSA GmbH)

15:40–16:15	Open Space Session A2, B2, C2	
16:15–17:00	Afternoon break	
17:00–17:45	Afternoon keynote Autonomous Vehicle Safety and Perception Stress Testing	Philip Koopman (Chief Technology Officer, Edge Case Research and Associate Professor (Carnegie Mellon University))
17:45–18:00	First day closing	
19:00–23:00	Evening event	

Friday, 28 June 2019

08:00–09:00	Conference registration	
09:00–09:45	Morning keynote Autonomy and Systems Engineering	Paul D. Nielsen (Director and CEO, Carnegie Mellon University's Software Engineering Institute)
09:45–10:15	Morning break	
10:15–12:25	Sessions A3, B3, C3	
Session A3 Quality assurance	Process models / definition / improvement	
	Organisation capability determination for VSEs in automotive projects	Patricia Rodríguez-Dapena (Softwcare SL)
	FACT – An Evaluation Approach For Process Definition	Rajesh Ganji (WABCO Vertriebs GmbH & CO KG)
	Data Quality Matters: A data management and data quality evaluaton method	Thomas Sievers (Robert Bosch GmbH) Christian Hertneck (Kugler Maag Cie GmbH

Session B3 Automated driving	Autonomous driving	
	How to release safe development vehicles with a perspective on autonomous driving	Manfred Schölzke (Opel Automobile GmbH)
	Towards ARRL-7: safer vehicles for resilient Mobility as a Service	Eric Verhulst (Altreonic–Kurt.mobi)
	Controllability challenges for level 3+ ADAS systems	Szabolcs Agai (Lorit Consultancy)
Session C3 V & V	Verification and Validation	
	Application of theorem-proving for safety-critical vehicle software	Shinya Yoneki (JTEKT corporation)
	Development of company-wide guidelines for the verification and validation of mechatronic systems	Marco Di Pace (Schaeffler Technologies AG & Co. KG)
	Automated Test Scenario Generation for SAE Level-3 Autonomy based Tests	Plato Pathrose (Visteon)
12:25–13:00	Open Space Session A3, B3, C3	
13:00–14:00	Lunch break	
14:00–14:45	Afternoon keynote Technological Innovation, Regulations and Standards: A Software Vendor's View	Stefaan Sonck Thiebaut (CEO, OpenSynergy GmbH)
14:45–15:00	Conference closing: best presentation award	

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Register Online:

www.vda-qmc.de/en/qmc-events/sys

You will receive your registration conformation after registering by email.

Register now!

IAA
» Driving tomorrow

VDA QMC Expert Forum at the IAA in Frankfurt/Main

12–20 September 2019

Ideal combination: visit the IAA and the VDA QMC Expert Forum

The IAA 2019 is a must for all experts in the automotive industry. Be sure to plan a visit to the VDA QMC Expert Forum this year. There, you will have the opportunity to broaden your knowledge base in quality management.

Don't miss this opportunity!

As part of the VDA QMC Expert Forum, we offer various lectures by world-class speakers on topical quality subjects, especially for you. A well-known group of experts will present the VDA QMC working group's results to an exclusive audience. For topics and dates, please refer to the programme overview.

Your entry ticket to the IAA

Of course, visiting the VDA QMC Expert Forum is free of charge for you. In addition, we offer you free admission to the world's most important automobile trade fair. Please register using the enclosed response fax. We will then send you the ticket for the IAA 2019 free of charge.

We're looking forward to your visit!

Programme – Industry-only Days
Thursday, 12 Sept. 2019 – Friday, 13 Sept. 2019

Thursday, 12 Sept. 2019		
10:30 – 11:30	VDA & AIAG Standard for FMEA Harmonisation	Hans-Joachim Pfeufer (ehm. BMW Group)
	IAA visit / free time	
13:00 – 14:00	Core Tools	tba
14:30 – 15:30	Automotive SPICE®	Dr. Jan Morenzin (VDA QMC)
	Break	
16:00 – 17:00	VDA Volume Product Integrity (PSCR)	Bernd Kraemer (Schaeffler AG)
Friday, 13 Sept. 2019		
10:30 – 11:30	Current Developments IATF 16949	Manfred Müller (VDA QMC)
	IAA visit / free time	
13:00 – 14:00	VDA 4	Axel Krieger (Robert Bosch GmbH)
14:30 – 15:30	VDA Volume 8D Methods – Problem Solving in 8 Disciplines	Axel Krieger (Robert Bosch GmbH)
	Break	
16:00 – 17:00	VDA 6.3 – Process Audit	Carlo Böttger (Volkswagen AG)

Programme – Public Days
Monday, 16 Sept. 2019 – Friday, 20 Sept. 2019

Monday, 16 Sept. 2019		
10:30–11:30	AK SU OTA – Software Updates Over the Air in Vehicles	Thomas Holzapfel (BMW Group)
	IAA visit / free time	
13:00–14:00	AK ACSMS Automotive Cyber Security Management System	Xiaoxuan Ge (Volkswagen AG)
14:30–15:30	Status AK 5 – Testing Process Suitability	Marcus Hoffmann (AUDI AG)
	Break	
16:00–17:00	VDA Standardised Complaint Process	Michael Butler (Ford of Europe)
Tuesday, 17 Sept. 2019		
10:30–11:30	VDA Volume Lessons Learned	tba
	IAA visit / free time	
13:00–14:00	VDA 3.1 – Reliability Management	Alexander Miazga (Continental AG)
14:30–15:30	VDA 6.3 – Process Audit SW-Tool	Wolfgang Riering (VDA QMC)
	Break	
16:00–17:00	VDA 9 – Emissions and Consumption CoP Testing for Passenger Cars	tba

Wednesday, 18 Sept. 2019		
10:30–11:30	VDA 2 – Production Process and Product Release Revision	Ina Schmidt (Daimler AG)
	IAA visit / free time	
13:00–14:00	VDA Volume Damaged Part Analysis Field & Audit Standard	tba
14:30–15:30	VDA 19.1 – Testing Technical Cleanliness	tba
	Break	
16:00–17:00	Product Liability in the Automobile Industry – Current Developments	Dr. Ralf Scheibach (VDA)
Thursday, 19 Sept. 2019		
10:30–11:30	VDA Volume Electrical Overstress	Martin Hilkersberger (Infineon Technologies AG)
	IAA visit / free time	
13:00–14:00	VDA Volume Drafting Customer-specific QM System Requirements on the Basis of IATF 16949	Ralf Bretag (EBK Krüger GmbH & Co. KG)
14:30–15:30	QM System for AdBlue	Hartmut Ide (IQC Ide Quality Consulting GmbH)
	Break	
16:00–17:00	QDX / 8D / Complaint Process	Hartmut Ide (IQC Ide Quality Consulting GmbH)

Friday, 20 Sept. 2019		
10:30–11:30	VDA 6.7 – Process Audit Production Equipment	Wolfgang Riering (VDA QMC)
	IAA visit / free time	
13:00–14:00	Safeguarding Maturity of New Parts: Process, Supply Chain, IT-Support	Matthias Harzer (Daimler AG)
14:30–15:30	Current Version VDA 16 – Decorative Surfaces	Dr. Franz-Udo Brückner (Troeger Surface Group OHG)
	Break	
16:00–17:00	VDA & AIAG Standard for FMEA Harmonisation	Hans-Joachim Pfeufer (ehm. BMW Group)

Registration & Contact Details

Online registration:
www.vda-qmc.de/events/iaa
Confirmation of your registration will be sent by email after your registration is complete.

Further information about the event is available from your VDA QMC conference team:
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REGISTER NOW!
Only limited places available!

16th Quality Summit of the Automobile Industry

13./14. November 2019, Potsdam

Information & Online Registration:

www.vda-qmc.de/en/qmc-events

Event Information:

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Upcoming Events

2019

AUTOMOTIVE SYS® VDA Automotive SYS® Conference	26.–28. June 2019 Potsdam
IAA VDA QMC Expert Forum on 68. IAA Cars	12.–20. September 2019 Frankfurt/Main
GIPFELTREFFEN im Verband der Automobilindustrie 16th Quality Summit of the automotive industry	13.–14. November 2019 Potsdam

2020

QUALITÄTSMANAGEMENT SYMPOSIUM DER AUTOMOBILINDUSTRIE Quality Management Symposium of the automotive industry	28.–29. April 2020 Dortmund
AUTOMOTIVE SYS® VDA Automotive SYS® Conference	16.–18. June 2020 Potsdam
IAA VDA QMC Expert Forum on 69. IAA Commercial Vehicles	24. September–01. October 2020 Hanover
GIPFELTREFFEN im Verband der Automobilindustrie 17th Quality Summit of the automotive industry	24.–25. November 2020 Berlin

More information can be obtained at: www.vda-qmc.de/events
VDA QMC – Behrenstraße 35 · 10117 Berlin · Tel. +49 30 / 89 78 42-0

Technical Report
New VDA Yellow Prints

VDA QMC – Volume EOS

Treatment of semiconductor components which exhibit signs of electrical overloading, contents, documentation and explanations
1st edition 2019
Feedback phase ends 7 June 2019

VDA QMC – Volume 9

CoP testing of cars and light commercial vehicles
4th completely revised edition 2019
Feedback phase ends 15 August 2019

VDA QMC – Volume 4

Safeguarding quality within the process landscape
General, risk analyses, methods, procedural models
3rd revised and extended edition 2019
Upload by the end of June

VDA QMC – Volume 2

Safeguarding the quality of deliveries, production process and product release
6th revised edition 2019

VDA-QMC – Volume 6, Part 7

Process audit, production equipment, product realisation process/individual production
3rd revised edition 2019
Upload by the end of June

Further Information

This publications are only available in German. The associated feedback form for all VDA yellow prints is available for download from our homepage at:

www.vda-qmc.de/publikationen/gelbdrucke

New Publications

AIAG & VDA - Volume

Error possibility and effect analysis
FMEA – Handbook, Design FMEA, Process FMEA, FMEA Extension – Monitoring & System Response
1st edition 2019
Published 3 June 2019

Volume 3, Part 1

Safeguarding reliability of automobile production and supplier reliability management
4th revised edition, March 2019
Published by the end of June

Field Failure Analysis & Audit Standard

2nd revised edition, October 2018

8D Problem Solving in 8 Disciplines

Method, Process, Report
1st edition, November 2018

DEAR CUSTOMERS, PLEASE NOTE THAT: Publication of the following, previously announced, new publications, will take place in the 24th calendar week due to unforeseen technical problems. Please excuse the delay and thank you for your patience and understanding.

Further Information

Online documents available at:
www.vda-qmc.de/publikationen/download

Our complete offer is available
in our online shop at:

webshop.vda.de/qmc

AIAG- & VDA-FMEA Handbook

The new risk analysis standard in the automobile supply chain – error possibility and effect analysis

1. FMEA – Part of the Development and Production in the Automobile Industry

The relevant standards in the automotive supply chain require the implementation of technical risk analyses in the form of an FMEA and this is contractually required.

The FMEA as the essential method in technical risk management is a team-oriented and systematic analysis method for the identification and reduction of risks. If a cause of failure is detected too late in the development and manufacturing process, or identified only after the product has been launched on the market, it can lead to time-consuming corrections. Used at an early stage in the product development process, the FMEA helps identify product and process risks and reduce or even prevent them from occurring through appropriate measures.

Application of the FMEA is necessary to increase customer satisfaction through error-free products. This is accompanied by a reduction or avoidance of error and consequential costs for warranty and goodwill to recalls for defective products.

Cost Savings through FMEA Standardisation

Basic FMEAs can be used to minimise the FMEA creation costs. These basic FMEAs incorporate company insights from previous developments, making them a suitable starting point for new FMEA projects. Cost reduction for changes are another starting point for the consistent FMEA application. This involves the number of changes and the associated change effort, including editing and documentation. Triggers for changes include the customer, the supplier or internal bodies of the company.

If customers, suppliers and the internal specialist departments are involved in the development of products and processes at an early stage, the FMEA can avoid changes, sustainably, or at least minimise the costs incurred.

2. Motivation for Harmonisation of the AIAG and VDA Standards

Suppliers who provide their products to European and North American (OEM) manufacturers are required to rate the FMEA based on the VDA and AIAG FMEA manuals. This has sometimes led to increased complexity in product development and improvement of suppliers.

The joint FMEA requirements and expectations now allow suppliers to create a single FMEA process that meets the needs and expectations of their respective customers.

Initially, harmonisation focused on standardising and adapting the FMEA scoring tables, including evaluation criteria and descriptions. A single document for error assessment is the ideal result, two customised documents would lead to concerns among suppliers. During the discussion on problems in the industry, the representatives of VDA and AIAG agreed that this was an opportunity to adapt and standardise further parts of the two manuals.

3. Improvements to the Standard and Features of the New Handbook

New seven-step approach with the following steps:

Step 1: Project Planning and Preparation
Contents: project description, project plan, analysis limits and definition of the FMEA base used. Significant changes:

- Definition of the scope of analysis
- Revision of the headers in the form

Step 2: Structural Analysis
Contents: presentation of the survey scope, design FMEA, process FMEA, responsible person and starting point for functional analysis.

Significant changes:

- To the Design FMEA: description of the block/ boundary diagram
- To the Process FMEA: description of the process flow diagram and the structure tree
- Collaboration between customer and supplier

Step 3: Functions Analysis
Contents: representation of product or process functions, connection of requirements and features with functions, collaboration between development teams (systems, safety and components) and basis for error analysis.

Significant changes:

- Description via parameter diagram
- Description of cooperation between development teams

Step 4: Error Analysis
Contents: creation of the error sequence chain, cooperation between customer and manufacturer (error sequences), creation of a basis for the error documentation in the FMEA form and the risk analysis.

Significant changes:

- Introduction of a concept of the focus element
- Relationships between design and process FMEA
- Collaboration between customer and supplier

Step 5: Risk Analysis
Contents: description and evaluation of existing and/or planned measures, determination of task priority (TP), creation of a basis for product or process optimisation.

Important changes:

- Revision of rating tables for significance (S), occurrence (O) and discovery (D)
- Extension of the process FMEA to include the significance with effect on the own plant, the supplied plant (if known) and the end user (if known)
- The task priority (TP) replaces the risk priority number (RPN)

Step 6: Optimisation
Contents: Identification of necessary risk reduction measures, definition of responsibilities and deadlines for the implementation of measures, implementation and documentation of the measures taken (including confirmation of effectiveness), cooperation between FMEA team, management, customers and manufacturers with regard to potential errors, creation of a starting point for the improvement of product and/or process requirements and avoidance and detection measures.

Important changes:

- Detailed presentation of optimisations
- Collaboration betwe en FMEA team, management, customer and supplier

Step 7: Documentation of Results (NEW)
Contents: documentation and communication of the measures taken to reduce risk, evaluation of effectiveness of the measures introduced.

Important changes:

- Scope and results of the FMEA are summarised in the report
- Reference to technical error risks as part of the development plan and project milestones

4. Outlook

The AIAG and VDA FMEA manual with the new standard will be released 3 June 2019. After publication of the handbook, the VDA QMC will offer training on FMEA from June 2019 onwards.

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im Verband der Automobilindustrie
6.3 Analysis Tool

VDA 6.3 Analysis Tool

Update to Version 1.6.0

The next free update has been prepared for the VDA 6.3 Analysis Tool, which will be available from 27/05/2019. With this update, the scope of the tool is extended by the report type of the defective part analysis according to "VDA QMC Volume Particle Analysis Audit + Audit Standard". The defect analysis is available in German and English. In addition to the interactive form in the VDA 6.3 Analysis Tool, you also have the option of printing a form to fill out. The questions are available to you with requirements and examples. The completed report can be printed and distributed in the "VDA 6.3 Analysis Tool Layout". Pre-completed reports are available in the file with filter function.

To facilitate working with the tool on tablets (Android, Windows), the display has been optimised for smaller fonts. Other new functions to improve handling have also been added.

In the upcoming version 1.7.0 of the VDA 6.3 Analysis Tool, the supplier self-help will be integrated. The suppliers will be able to create the self-audit on a free website and send it to you. You can open the supplier self-audit with the VDA 6.3 Analysis Tool and generate reports based on the self-audit.

The update of the new features in the online version (SaaS) will be done automatically on next use. The offline version provides you with a link to download the current version.

License Sales

The user license is purchased via the VDA QMC webshop. The license is personalised for the user as defined in the webshop.

www.vda-qmc.de/webshop

VDA | QMC
Qualitäts Management Center
im Verband der Automobilindustrie
8D Analysis Tool

8D Analysis Tool

The current VDA Volume "8D Problem Solving in 8 Disciplines" describes in detail the steps D1 to D8 for solving complex problems within the team.

A web-based tool has been developed to achieve the transparency of the respective status of the systematic and structured problem processing. The tool supports the application of the "8D Problem Solving in 8 Disciplines" method and documents the results of the disciplines. All statuses can be created and distributed via corresponding reports. Standardised report printing supports documentation.

In addition, you can use the tool to perform an assessment on each report to assess the application and implementation of the 8D method within the organisation. On the basis of the requirements formulated in the tool, you evaluate the effectiveness and quality in order to achieve an excellent 8D process.

Functions:

- Documentation of the results of the 8 disciplines
- Management and editing of multiple reports
- Attach file attachments
- Generate any intermediate reports/versions
- Issue report as PDF
- Export report as xml/json file
- Perform assessments to assess the quality of the 8D application in the organisation

Language Versions:

German
English

Technical Specifications / Details

- The tool is available as an online version (Software as a Service) or offline version for download
- Both versions of the tool require a current browser with JavaScript to run
- The browsers Edge, Chrome, Firefox and Opera are recommended. Internet Explorer version 11 or higher is supported in the online version
- Apple devices running iOS cannot back up data. For Macs, it is recommended to use one of the browsers mentioned above
- Optimised for resolutions from 1366 x 768 pixels
- Direct execution via a link (requires only an internet connection to the start)
- In both versions, data is saved locally in the browser history and must be saved by the user (the entries are not sent to the server!)

Support

A FAQ system is available for all your questions.

License Sales

The user license for the 8D Analysis Tool is purchased via the VDA QMC webshop. The license is personalised for the user as defined in the webshop.

www.vda-qmc.de/webshop

Upgrade Training

Product Safety Representative (PSR) and Defective Part Analysis Field

After the publication of the volumes Product Integrity as well as Defective Parts Analysis Field + Audit Standard, we offer you the opportunity to visit the corresponding upgrade training courses.

Upgrade Training from PSR to Product Safety & Conformity Representative (PSCR) (ID 533)

Requirement:
You have attended the Product Safety Representative (PSR) training course in the automotive industry and are actively involved in the company as a PSR.

Dates:

26/08/2019	Bad Homburg
08/11/2019	Hanover

VDA Defective Part Analysis Field – Upgrade Training (ID 613)

Requirement:
Participation in the training course "VDA Defective Part Analysis Field Workshops for Users" in the years 2009 to 2017

Dates:

25/06/2019	Fulda
25/11/2019	Berlin

Further Information

www.vda-qmc.de/aus-und-weiterbildung

In-house Training

Profit from Efficiency, Flexibility and a Practice-based Approach.

In-house training courses are further training measures for your employees. You are largely free in choosing the dates, so that the time of training can be tailored to your operational processes. This way, the professional life of your employees can best be taken into account. Long journey times to the training site are omitted, as are travel and accommodation costs. You only pay the costs for the trainer.

Within the context of the specific work environment, examples and questions can be discussed within a protected framework, meaning sensitive information also remains in your own company environment during controversial discussions. This creates an intensive exchange among the participants, which encourages them put what they've learned into practice.

We are happy to advise you in detail and create an offer tailored to your wishes and requirements.

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www.vda-qmc.de/aus-und-weiterbildung

Legal Information

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Date	June 2019

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Qualitäts Management Center
im Verband der Automobilindustrie