

Training overview

ID	Training	Information
442	FMEA – Basic Training according to AIAG & VDA FMEA	<p>Target audience Newcomers and users of the methods from product and process development, testing, logistics, manufacturing, test planning, maintenance and quality.</p> <p>Cost and duration 2,800 RMB/person (incl. VAT) 2 days plus 90 min. webinar</p>
806	FMEA Basic Training Basing on the new AIAG & VDA FMEA (Tailor Made for China)	<p>Target audience Beginners who need a preliminary understanding of the new FMEA methods and requirements. They can be FMEA participants from departments, such as R & D, product and process development, project management, test / laboratory, quality department, supplier management, production, logistics, equipment and maintenance, etc.</p> <p>Cost and duration 3,280 RMB/person/2 days (incl. VAT)</p>
807	PFMEA Training Basing on the new AIAG & VDA FMEA	<p>Target audience Trainees who need master the PFMEA method and are going to lead/create PFMEA during work. They can be FMEA participants from departments, such as process development, production management, equipment management, process quality, supplier quality management, auditors, quality system, product development, logistics and purchasing, etc.</p> <p>Cost and duration 2,800 RMB/person/2 days (incl. VAT)</p>
810	DFMEA Training Basing on the new AIAG & VDA FMEA	<p>Target audience Trainees who need master the DFMEA method and are going to lead/create DFMEA during work. They can be FMEA participants from departments, such as R&D, product development, supplier quality management, auditors, quality system, project management, process development, production management, equipment management, process quality, logistics and purchasing, etc.</p> <p>Cost and duration 2,800 RMB/person/2 days (incl. VAT)</p>

VDA QMC

德国汽车工业协会
质量管理中心中国分公司
CHINA

VDA QMC China

Tel.: +86 400 0650770
Email: qmc@vdachina.com.cn
Web.: www.vdachina.com.cn

Beijing office

Unit 0505P, 5F, Tower 1, DRC Liangmaqiao
Diplomatic Office Building, No.19
Dongfangdonglu, Chaoyang District, Beijing
Tel.: +86 010 6590 0067
Email: bj@vdachina.com.cn

Shanghai office

Room 1108, Building 7
HQ Sky Bridge, No. 968 Jinzhong Road
Changning District, Shanghai
Tel.: +86 021 39197012
Email: sh@vdachina.com.cn



Please follow us on WeChat

Version: Mar. 2023

VDA QMC

德国汽车工业协会
质量管理中心中国分公司
CHINA

Failure Mode and Effects Analysis (FMEA)

English version



DRIVE WITH US INTO YOUR FUTURE!

Failure Mode and Effects Analysis (FMEA)

Why FMEA is so important?

Failure Mode and Effects Analysis (FMEA) is an analytical methodology to ensure that potential problems have been considered and addressed, and improvement actions are defined to reduce risk for launching new products throughout the product and process development process. The product quality has to be assured through entire automotive supply chain.

Professional FMEA execution becomes more and more important due to following reasons:

- Increasing high number of recalls in China and worldwide
- Increasing complexity of products
- New technology and digitalization: NEV, Connected driving (ICV), autonomous driving and etc.
- Increasing importance of software and mechatronic
- Increased customer expectation
- Worldwide increasing of safety and new technology regulation
- Increasing complexity of global supply chain

Detecting a failure cause earlier in the development and manufacturing process will reduce the risk and cost for new product launch and assure front loading. Implementing FMEA earlier in the product development process helps identify product and process risks and reducing or even prevent their occurrence by taking suitable measures and actions.

About the new AIAG & VDA FMEA

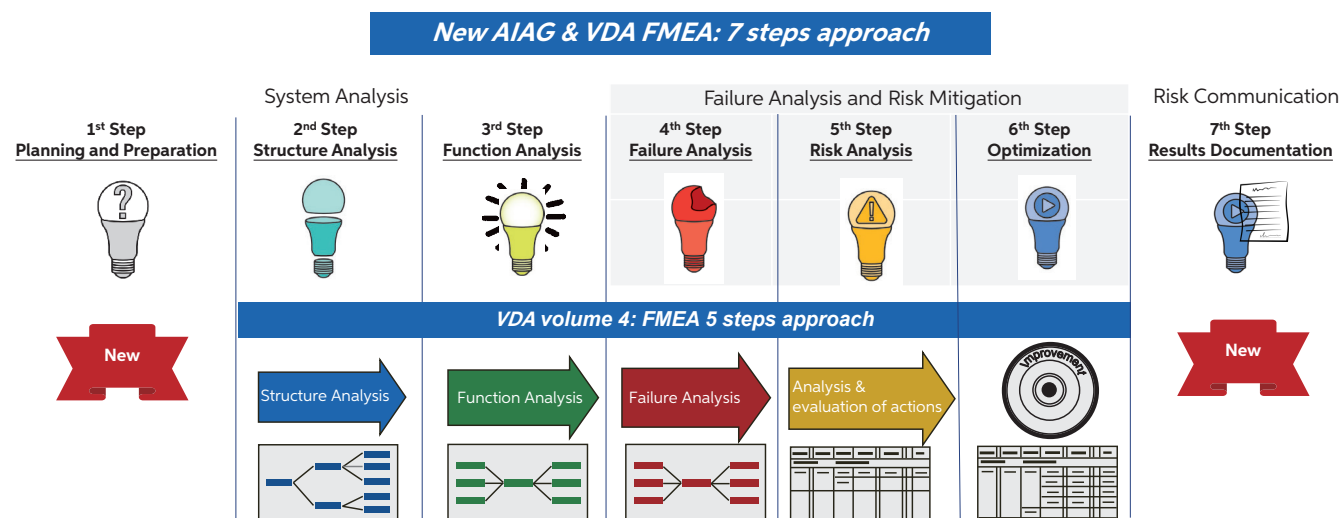
FMEA as the fundamental method in technical risk management is a team-oriented and systematic analytical method to identify risks in order to define mitigation measures.

Major changes in new AIAG & VDA FMEA are as following:

- 7 steps approach
- Action Priority (AP) to replace Risk Priority Number (RPN)
- New Severity, Occurrence, Detection table
- Supplemental FMEA for Monitoring & System Response (FMEA-MSR)

7 steps v.s. 5 steps:

New FMEA Highlights - 7 steps Approach



6 steps to implement new FMEA methodology into your company

Recommended steps for FMEA implementation

Step 1	Training to get knowledge about new AIAG & VDA FMEA standard
Step 2	Identify gaps
Step 3	Implement pilot project
Step 4	Implement FMEA into QMS development / PDP process (Product Development Process)
Step 5	Execution and performing new FMEA
Step 6	Continuous Improvement (Lessons Learned and PDCA)