

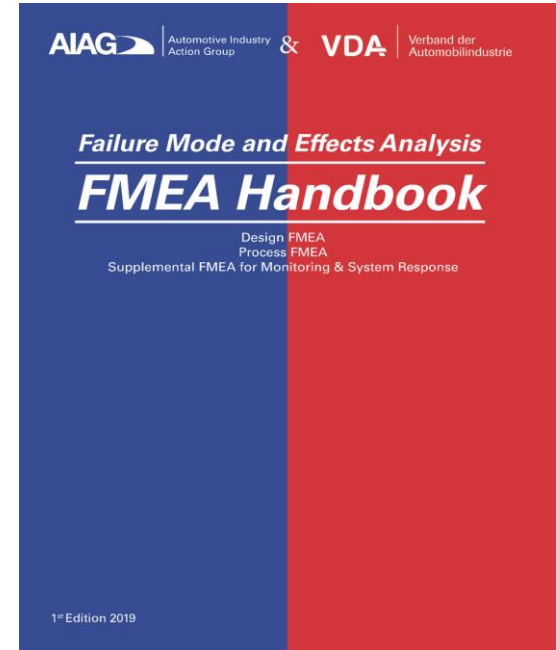


AIAG & VDA FMEA Handbook Frequently Asked Questions Webinar

October 25, 2019

Topics

- AIAG & VDA FMEA Handbook
 - OEM Deployment Plans
 - AIAG Training Update
 - Translation Update
- Frequently Asked Questions
 - From training attendees, document purchasers, and translation partners
 - From today's webinar participants



OEM Deployment Plans

- Fiat Chrysler Automobiles
 - Current Programs (sourced prior to December 2019)
 - The AIAG & VDA FMEA Handbook is allowed for use
 - Case by Case, FCA and Supplier Agreement is required
 - Future Programs (sourced beginning December 2019)
 - AIAG & VDA FMEA, Standard Form Sheet for D-FMEA
 - AIAG & VDA FMEA, Alternate Form “G” for P-FMEA

OEM Deployment Plans

- Ford

- Where suppliers are making use of the AIAG & VDA FMEA approach, Ford will accept the new format.
- Suppliers will be required to utilize the AIAG & VDA FMEA format on a per program basis
 - Potentially starting with 2022 MY programs and/or
 - Commodities requiring Functional Safety (ISO-26262) focus.

OEM Deployment Plans

- Honda North America
 - Honda will accept the new AIAG & VDA FMEA format at any time.
 - On or about Feb. 1, 2022 suppliers to apply the AIAG & VDA FMEA PFMEA for –
 - New production process
 - New production lines
 - New production parts
 - By January of 2027, all PFMEA documents are to be in the new AIAG & VDA FMEA format.

OEM Deployment Plans

- General Motors
 - Estimated implementation beginning with programs that start in calendar year 2023
 - GM SOR's will clearly communicate the acceptance of the new approach, tables and form sheets.
 - Customer Specific Requirements
 - To be announced at a later date
 - GM is still investigating when they can start accepting FMEA's based on the AIAG & VDA FMEA Handbook.

AIAG Deployment Support – Training Courses

- Training on AIAG & VDA FMEA
 - Currently Available – at AIAG and On-site
 - Two classroom “Transitioning” courses – DFMEA and PFMEA versions
 - Prior knowledge/experience with 4th Edition required
 - eLearning “Overview” course – no prerequisites
 - In Development
 - Seven additional training courses are in development
 - Implementing and Understanding (2) – DFMEA and PFMEA – Q1 2020
 - Moderator/Facilitator courses (2) – DFMEA and PFMEA – Q2 2020
 - Supplemental FMEA for Monitoring and System Response (MSR) – Q2 2020
 - AIAG & VDA FMEA for Auditors – Q3 2020
 - Management Responsibilities eLearning – Q3 2020
 - Update to the Core Tools Self-Assessment being planned
 - Expect release in Q1 2020

Support Deployment with Translations

Distribution of the 74.118 IATF 16949 certified sites as of 2019-07-31

NORTH AMERICA
6205 sites
8.37 % of worldwide total

UNITED STATES 3886
MEXICO 1852

EUROPE
11439 sites
15.43 % of worldwide total

GERMANY 3037
ITALY 1444
FRANCE 956
SPAIN 955
CZECH REPUBLIC 769
UK 601
POLAND 703

ASIA PACIFIC
52813 sites
71.26 % of worldwide total

CHINA 36132
REP. OF KOREA 4921
INDIA 5739
JAPAN 1573
THAILAND 1621
TAIWAN/ROC 1334
MALAYSIA 539

SOUTH & CENTRAL AMERICA
1449 sites
1.95 % of worldwide total

Brazil 1142

MIDDLE EAST
1696 sites
2.29 % of worldwide total

TURKEY 1034
IRAN 607

AFRICA
516 sites
0.70 % of worldwide total

Focus on providing translated Handbook and training courses to support global supply base

AIAG Deployment Support - Translations

- Translations
 - AIAG and VDA collaborating on seventeen (17) translations
 - AIAG release priorities based on IATF certificate counts
 - Portuguese – Released Q3 2019
 - Spanish (Mexico) – to be released Q4 2019
 - Japanese – to be released Q4 2019
 - Korean – to be released Q4 2019
 - Thai – to be released Q1 2020
 - VDA is responsible for 12 translations languages
 - VDA release sequence
 - Chinese – Released August/September 2019
 - Ten other translations in-process, availability will be announced by VDA
 - Eventually, all languages will be available from both Associations

Topics

- Frequently Asked Questions
 - FAQ Process
 - Handbook Errata Sheets
 - New Questions

FAQ Process

1. Issues are identified by training attendees . . .
 - A. Or Handbook purchasers, translation partners, event/webinar attendees
2. Issues are reviewed by AIAG and VDA
 - A. New items are shared after receipt
 - B. A common list is compiled and maintained
3. If the 'corrective action' is clear and agreed upon
 - A. An "Errata sheet item" is defined and communicated by the Association responsible for that translation
4. If the issue is technical in nature, members of the writing team are consulted for their perspectives on best course of action

Handbook Errata Sheets

- There will be unique Errata sheets for each translation of the Handbook
 - AIAG translations based on English master version
 - VDA translations based on German translation
- AIAG will issue Errata sheets for all Handbooks / translations sold by AIAG
 - Distribution target is November 8, 2019

Examples of Current Errata Issues

- Section 3.1.2 and 3.1.3
 - References to “DFMEA”, should be “PFMEA”
- Section 4.3.2
 - Missing sub-section title “4.3.2 Function”
- Appendix B – Form Sheet Hints
 - Status option “Discarded” shown in Figure B1.6-1, but is not allowed per Section 2.6.3
 - Also impacts PFMEA (3.6.3 and Fig. B2.6-1) and FMEA-MSR (4.6.3 and Fig. B3.6-1)

Examples of Current Errata Issues

- Section 4.4.2, Supplemental FMEA- MSR
 - References to “Fault Handling Time Interval” should be replaced by “Fault Tolerant Time Interval”
 - Impacts several Figures – ex. 4.4-3, 4.4-4
 - Also impacts other sections – ex. 4.5.7
 - And the Monitoring (M) Table MSR3

New Questions

- Webinars such as today will be also be used to capture new questions and issues for the FAQ process.

Questions





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