

FMEA (AIAG-VDA) 1st edition (2019)



SSS # 92/00 Dt. 18-04-2021

| # | Statement | True or False |
|---|---|---------------|
| 1 | FMEA activity to be done by CFT. | |
| 2 | Failure Effects (FE) must consider legality also. | |
| 3 | Influencing factors means, failure effects. | |
| 4 | From characteristics matrix, the team can generate failure causes also. | |
| 5 | In the new version of FMEA, "Timing" means, the target date to complete all recommended actions. | |
| 6 | In the new version of FMEA, RPN is replaced by AP (Action Priority). | |

Scroll below  for answers

FMEA (AIAG-VDA) 1st edition (2019) - Answers



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| 1 | FMEA activity to be done by CFT. | True |
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| 6 | In the new version of FMEA, RPN is replaced by AP (Action Priority). | True |

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| # | Course name | Video runtime | Course fee (Rs.) |
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| 1 | Control Plan Methodology | 1 hr 40 mins | 1,200 |
| 2 | QMS ISO 9001:2015 Stage 1 | 6 hrs | 1,500 |
| 3 | Analytical Tools for Improvements Stage 1 | 4 hrs 20 mins | FREE |
| 4 | Analytical Tools for Improvements Stage 2 | 4 hrs 50 mins | 1,500 |
| 5 | Problem Solving Methodology | 7 hrs | 1,950 |
| 6 | SPC | 14 hrs | 799 |
| 7 | Global 8D | 14 hrs | 799 |
| 8 | Process & Machine Capability Studies | 5 hrs | 1,950 |
| 9 | APQP & PPAP | 14 hrs | 799 |

- + 30 days access for every course
- + e-book & workbook will be given for long term usage
- + Self Assessment test & Final Qualification test
- + e-Certificate

Course contents



| | | |
|---|---|---|
| 1 | <p>Control Plan methodology as per IATF 16949:2016</p> <p>(1 hour 40 mins video duration)</p> | <p>Fundamentals</p> <p>Preparation of Control Plan</p> <p>Types of Processes</p> <p>How to construct control plan ?</p> |
| 2 | <p>QMS ISO 9001:2015 Stage 1</p> <p>- a base for IATF 16949:2016</p> <p>(6 hours video duration)</p> | <p>Fundamentals</p> <p>What is ISO ?</p> <p>Seven Management principles</p> <p>Process approach & PDCA cycle</p> <p>Certification & Documentation over view</p> <p>Clauses overview</p> <p>Link between ISO 9001 & IATF 16949</p> <p>ISO 9001:2008 Vs ISO 9001:2015</p> |
| 3 | <p>Analytical Tools for Improvements Stage 1</p> <p>- 7QC & New 7QC Tools</p> <p>(4 hours 20 mins video duration)</p> | <p>Base 1</p> <p>Base 2</p> <p>Check sheet</p> <p>Pareto Diagram</p> <p>Stratification</p> <p>Flow Charts</p> <p>Affinity Diagram</p> <p>Relation Diagram</p> |
| 4 | <p>Analytical Tools for Improvements Stage 2</p> <p>- 7QC & New 7QC Tools</p> <p>(4 hours 50 mins video duration)</p> | <p>Histogram</p> <p>Normality test</p> <p>Box plot</p> <p>History of New 7 QC tools</p> <p>Tree diagram</p> <p>Matrix diagram</p> <p>Matrix Data Analysis</p> <p>Likert scale methodology</p> |

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| 5 | <p>Problem Solving Methodology (7 hours video duration)</p> | <p>Basics Fundamentals Tools & Techniques used A deep dive on 12 step approach A case study 8D methodology Introduction to DMAIC Good PSM practises</p> |
| 6 | <p>Statistical Process Control (14 hours video duration)</p> | <p>Statistics & link to Engineering Types of Data Concepts of Variation Histogram & Types Z Scale & area under normal curve Initial Process Study (Ppk) Process & Machine Capability Homogenization Cpk study & Non-normal distribution Types of control charts</p> |
| 7 | <p>Global 8D PSM (8 hours 45 mins video duration)</p> | <p>Introduction to 8D PSP Origin of 8D approach Customer Focused PDCA cycle Linkage of 8D to ISO & IATF Standards Advantages & Challenges in 8D Each D and the activities in each D P Cat & R Cat approaches Types of Root-causes Implementation of Remedial actions Statistical tools related to each D 5 Why – A deep dive Handling the Side-effects Standardization : Ways and means</p> |

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| 8 | <p>Process & Machine Capability Studies</p> <p>(5 hours video duration)</p> | <p>Introduction Origin of Statistics Fundamentals Concept of variation & stability of Process Significance of Sigma factor Six sigma & Process capability Z scale methodology Ppk study & Machine capability</p> |
| 9 | <p>APQP & PPAP</p> <p>(14 hours video duration)</p> | <p>Origin of APQP Basic concepts & Principles Linkages to IATF 16949:2016 Techniques of APQP process Phase 4 of APQP : Linkage to PPAP Successful PPAP through structured APQP Process Five Phases of APQP – with exercises Control plan - Creation & management PPAP – How to interpret & Implement ? Situations Analysis on PPAP</p> |

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