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PRACTICAL WORKING ON FAILURE MODE EFFECT ANALYSIS (FMEA)

OBJECTIVES

As the world is moving towards World class manufacturing, the Global expectations are very high in terms of Quality, Price and Delivery. It is high time for concentrating on plugging defects at source so that all the above criteria are met. Towards giving an insight on the systematic way of dealing the activities for converting 100% of the inputs to sellable goods, this **“ONE DAY WORKSHOP ON FAILURE MODE EFFECT ANALYSIS (FMEA)”** is designed.

INTRODUCTION

This training course will provide participants with an understanding of

- How to consider a Defect or a Problem or a Potential failure mode in a given process?
- What will be its effects in case of such problem exists.
- What would be the possible causes?
- What kind of controls are in place?
- What kind of actions could be taken to reduce the Risk due to the existence of such failure mode.
- How to rank Severity, Occurrence and Detection in turn to calculate RPN.

CONTENTS

1. Overview
2. Major Changes In 4th Edition – AIAG Manual
3. Chapter I General FMEA Guidelines
4. Chapter II Strategy, Planning & Implementation
5. Chapter III Design FMEA
6. Chapter IV Process FMEA
7. Summary

METHODOLOGY:

1. Understand the knowledge level of the participants.
2. Understanding their special requirements if any.
3. Understanding their practical problems if any.
4. Discussing the practical problems if any.
5. Tuning the program to their level of understanding by using certain well known common examples.

LANGUAGE:

MATERIAL : English

LECTURE : Tamil or Hindi or English (As desired by the participants)



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TARGET GROUP

Supervisors / Technicians / Engineers / Executives – Design and Development, Production, Quality, Tool room. Maintenance,

LEARNING OUTCOMES

Thorough understanding about the subject.

Systematically understands and able to capture potential failure modes at various stages and appropriately plans for actions.

PROFILE OF THE TRAINER & CONSULTANT MR. V. RAMAVALLABHAN

Background:

- *Physics Graduate with Post Graduate Diploma in Master of Business Administration (PGDMBA), Diploma in Production Management (DPM).*
- **Certified Lead Auditor –**
 1. **ISO 9001 (IRCA),**
 2. **ISO 9001 (RABQSA),**
 3. **ISO/TS 16949 (SMMT-IF, UK - IATF)**
 4. **ISO/TS 16949 (AIAG, USA - IATF),**
 5. **AS 9100C(RABQSA),**
 6. **ISO 27001 (NABET)**
 7. **ISO 14001(IEMA),**
 8. **OHSAS 18001(IRCA)**
 9. **ISO 50001 (BSI)**
- **VDA 6.3 Module E Process Auditor in the Product Life Cycle (VDA - QMC. Germany).**
- **Certificate of Lean Competency – Lean Manufacturing from QCI.**
- **Certified IPC Specialist : IPC/WHMA-A-620 Requirements and Acceptance for Cable and Wire Harness Assemblies.**

Key Attributes:

- **Over 2 decades exposed to Multi Branches of industries namely Electrical, Electronics, Mechanical, Plastics and sophisticated screen printing, in the areas of R & D, Manufacturing, Quality, Reliability, Supplier Development, Product Transfer, Agency Approvals, Customer Support, Process Engineering, Etc.**
- **Over a decade in Training and Consulting in the title JVR Consultants as a sole Trainer & Consultant.**
- **Traveled to countries like Singapore, USA and Srilanka for New Product development, Supplier development, Product Transfer, Training & Development of the employees.**



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- *His excellence in man management during his corporate life has lifted him to great heights.*
- *His interpersonal relations and easy access among various levels of the organization he is working with is a great attraction and advantage.*
- *Presented papers in International seminar on various topics like **TQM, Global Warming**, etc.*
- *Currently since the year 2005 offers **Training (Technical & Soft skills)** and covered 1000s of participants.*
- *The training sessions are handled in 3 languages namely, **Tamil, Hindi and English**. Covered 1000s of participants. Though based in Chennai, travel throughout India and provide **Training and Consulting**. So far provided training in Uthanchal, Faridabad, Noida, Surat and Pune on various concepts in north. In south provided training and consulting in Tamilnadu, Andrapradesh, Karnataka and Kerala.*
- ***On Consulting**, completed and working on various **PROJECTS – CONSULTANCY** on Business Process Development, **TQM, Quality Circle Consulting** including preparing the team members for competition, **Jury in Quality Circle Competition, Product Transfer, 5S, Waste Elimination, Kaizen, FMEA, PPAP Documentation, Facilitate Documenting, Implementing and Certification of ISO 9001, ISO 14001, OHSAS 18001, ISO/TS 16949, ISO/TS 29001, etc.***
- *The industries trained and undertook **PROJECTS – CONSULTANCY** include Automobile, Electronics, Electrical, Mechanical, Plastics, Casting, Forging, Printing, Cement, Sugar, Rubber, Chemical, Construction, Fabrication, Heavy Engineering, Shipping, Garments, FMCG, etc.*
- *His approach on implementing system will be **Simple, Practical, Cost effective** most importantly focusing on **most appropriateness that benefits the organization towards Return on Investments (ROI)**.*
- ***Awards:** Received Awards for best Soft Skills and Corporate Trainer.*

***For more information** (especially on Service record on Training and Projects – Consultancy, Clients, interesting Articles, etc.): Please visit: www.jvrconsultants.net*