

FAILURE MODE & EFFECTS ANALYSIS (FMEA) KAIZEN EVENT

Identify, Prioritize, and Mitigate Potential Failures

Increase the Reliability of your Products & Processes

Boost Customer Satisfaction & Competitive Advantage

Quantification is the heart of the FMEA

Severity: The magnitude of the mode, should it occur

Occurrence: The likelihood it will occur

Detection: The ability to detect failure to avoid the severity

Severity Rating		Occurrence Rating		Detection Rating		Failure in time to failure mode	Probability	Rating
Extreme	May endanger machine or operator Hazardous without warning	Very High	Failure is almost inevitable	Very Low	No known control(s) available to detect failure mode in time to prevent harmful effects.		1 in 10	10
	May endanger machine or operator Hazardous with warning							
High	Major disruption to production Loss of primary function, 100%	High	Process is not in statistical control Similar processes have experienced failures	Low	Controls have a remote chance of detecting the failure in time to prevent harmful effects.		1 in 20	9
	Reduced primary function performance Product requires sorting, some scrap							
Moderate	Minor disruption of production. Some scrap Loss of secondary function performance	Moderate	Process is in statistical control but with some variability Previous processes have experienced failures or out-of-control conditions	Moderate	Controls may detect the existence of a failure in time to prevent harmful effects.		1 in 100	7
	Minor disruption to production. 100% reduced secondary function performance Minor defect noticed by most customers Product requires sorting and some scrap							
Low	Fit & Finish/Squeak & Rattle item. Minor defect noticed by some customers	Low	Process is in statistical control	High	Controls have a good chance of detecting the existence of a failure in time to prevent harmful effects		1 in 1,000	4
	Defects may be reworked on-line Minor defect noticed by observant customer							
None	No effect	Very Low	Process is in statistical control. Failures associated with almost identical processes	Very High	The process automatically detects failure. Controls will almost certainly detect the existence of a failure in time to prevent harmful effects.		1 in 5,000	2
							1 in 10,000	1

AGENDA (5 DAYS ON-SITE OR VIRTUAL OPTIONS AVAILABLE)

5-DAY AGENDA	DESCRIPTION
DAY 1	Lean Training Review Function, Current Design, and Available Data on Similar Designs/Processes
DAY 2-3	Review design or process - Find Failure Modes - Score for Severity, Occurrence Likelihood, and Detection - Calculate Risk Priority Number
DAY 4	Select Areas for Design Improvement Create & Evaluate Initial Redesign
DAY 5 (1/2 DAY)	Sustainment Planning Report Out



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INNOVATION
A LEAN FOCUS PRACTICE AREA

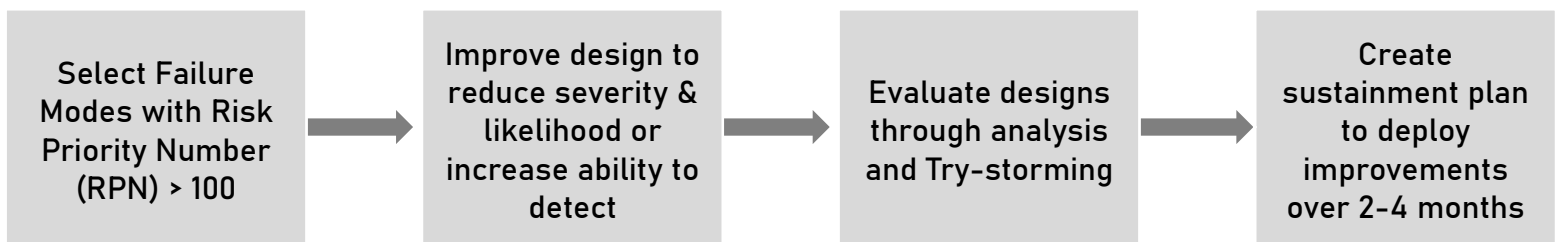
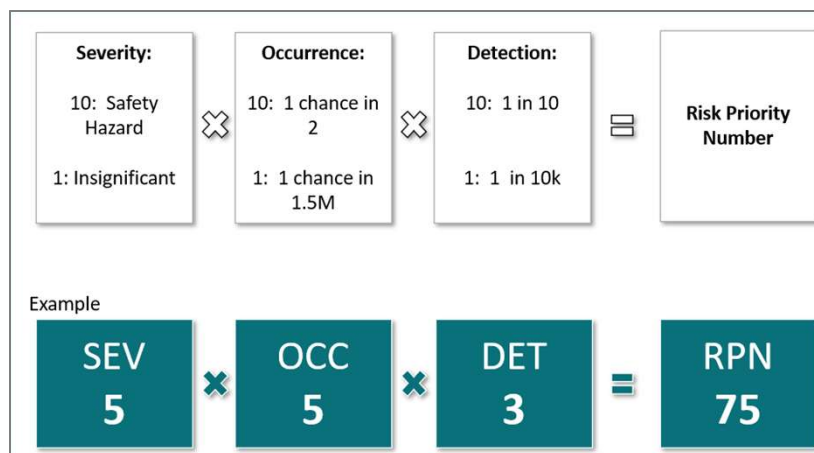
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WHAT IS A FAILURE MODE & EFFECTS ANALYSIS (FMEA) KAIZEN EVENT?

A Failure Mode & Effects Analysis Kaizen Event will provide a comprehensive, cross-functional review of a design or process prior to product launch:

- Gain Deep Understanding of Component Function
- Identify Failure Modes
- Evaluate Severity, Occurrence Likelihood, and Detection
- Select Areas where Design/Process needs improvement
- Create Process to sustain & enhance guidelines

IMPROVING THE DESIGN OR PROCESS



REQUEST A CONSULT:
INFO@LEANFOCUS.COM

How do I get started?

Schedule a Failure Mode & Effects Analysis Kaizen Event

Take the first step toward workspace transformation. Contact us today to schedule a consultation and discover how FMEA can elevate your organization's operations.



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