Jama connect®
FMEA Framework for Automotive

Analyze and mitigate potential failure or risks to ensure quality and accelerate time to market

Failure Mode and Effects Analysis (FMEA) is one of the most used methodologies for quality and reliability and is an effective tool for assessing fault failures, root cause analysis, and failure modes. The FMEA is a process that looks at the vehicle design, the production processes, test, how the vehicle will be used by the end customer, and all areas where failures may occur. FMEA is a highly valuable tool to guide the process of development and is required by various industry standards and regulations.

An important quality assurance function is assessing risk for the critical characteristics of automotive components throughout the lifecycle. This is true for all automotive components. FMEA provides a way to assess points of failure in a specific design, process, or system and list the consequences of these failures.

Analyze, prioritize and mitigate failures

Identifying potential issues early on in the process of development, and planning for any hazardous event that may arise can greatly reduce development cost and time, and helps to create reliable, high quality products. The Jama Connect® FMEA Framework assists automotive development teams to conduct comprehensive Failure Mode and Effects Analysis. Using this framework, teams are able to identify, analyze, prioritize, and mitigate failures.

INCLUDES:

- FMEA framework is included in the Jama Connect for Automotive solution

- Procedure Guide for Failure Modes and Effects Analysis (FMEA) for automotive development activities

- FMEA export templates and worksheet view

- Configuration Guide including relationship rules, item types, workflows, pick lists, and attributes

- Automotive trial framework and sample data set

Key Benefits

Quickly assist teams with FMEA, aligned to industry standards

Equip your teams to successfully apply FMEA analysis using the Jama Connect FMEA framework. This framework includes export templates, procedure and configuration guides, and sample datasets specific to automotive development. Take the guess work out of performing FMEA activities with alignment to Jama Connect through this standard framework.

Reduce risk by identifying and addressing failure points early in the design cycle

Identify failure points early in the development process. With all its different aspects, the FMEA eventually contributes to general error prevention in automotive components and also increases their operating reliability. Through early detection and elimination of potential weak points, automotive components are developed and manufactured in such a way that first-error security is ensured and therefore risk is reduced as much as possible.

Streamline development and reduce cost

The FMEA framework is included to support teams managing risk using FMEA. This framework enables teams to support overall risk analysis to reduce development time and the associated cost. Having the framework included in the solution gives developers and stakeholders the structured, intuitive information system they need to enable collaboration and traceability within the risk management process. By capturing risks and requirements in one tool, your organization streamlines risk management throughout the development lifecycle.

Accelerate time to market

Risk management is an inextricable part of the development process. For automotive developers, risks are a core principle of product development. Through the FMEA framework teams are able to perform FMEA analysis to manage risk and make decisions that accelerate the time to market.