Analyzing risk is an integral part of developing safety-critical products. Just as requirements need to be created and verified, risk must also be identified, estimated, and evaluated carefully to ensure user safety.

Many companies struggle with managing risk because it involves time-consuming meetings, unruly spreadsheets, and open uncertainty. And since risk management is often not integrated directly into the product design process, teams have poor access to past decisions and knowledge, and they lack the time and resources to perform effective, efficient analysis.

The Jama Connect™ Risk Management Center helps cross-functional teams assess product risk in safety-critical industries. Directly within Jama Connect, development teams can participate in risk management techniques including Preliminary Hazard Analysis (PHA) and Failure Modes and Effects Analysis (FMEA) in accordance with ISO 14971 and IEC 60812. By working with live data, teams can efficiently identify and mitigate risks early in the development process, ensuring quality and safety in complex product development.

Risks are requirements. By having both risks and requirements in Jama Connect, teams can track data and make decisions more collaboratively, leading to higher-quality products, regardless of industry or level of regulation.
Key Benefits

Proactive, Not Reactive
Risk management shouldn't be done in silos. That's why Jama Connect Risk Management Center creates a team-based approach to risk management, performing risk analysis early and continuously throughout your development process. Whether you are leading your organization's risk management process or a participating stakeholder, Risk Management Center equips you to perform risk analysis early and continuously throughout the development cycle to minimize failure and decrease late-stage changes.

Lower Risk, Strengthen Requirements
Without risk analysis integrated into Jama Connect, your product requirements and tests lack context from information contained in risk and hazard analysis. By storing everything within Jama Connect, the probability for error decreases, along with the amount of time and frustration spent comparing requirements with spreadsheets.

Real-Time Data
When you update risks in Jama Connect, you always know you’re working from the latest version, because it’s updating in real-time instead of getting lost in static, emailed documents or scattered spreadsheets. Working from a living document ensures risk analysis is updated throughout the process for continuous improvement.

More Coverage
You can’t account for risks you don’t know about. By including risk and hazard analysis in Jama Connect, you’re able to easily track open risks and tie them back to items in Jama Connect. This gives you the ability to ensure all existing risks are covered with the proper mitigations so you can move on to your next development phase. On the requirements side, each requirement shows the associated risk analysis, so you can easily see which risks the requirement or test helps mitigate.

Alignment with Best Practices
Jama Connect Risk Management Center helps companies manage and reduce risk where safety is critical to the product’s success with FMEA and ISO 14971 templates. Multiple templates that support industry best practices allow organizations the flexibility to build a comprehensive risk management file based on their processes.
Industry Standard FMEA Templates
Based on guidance from IEC 60812, our standard template minimizes the amount of setup time for risk analysis and plan development so you can spend more time on what’s important: identifying and mitigating risk. FMEA templates allow you to recognize and evaluate potential failures of a product or process, evaluate the impact of those failures, identify actions to reduce risk, and document processes and decisions.

- Create a template that can be customized to build analyses for all types of FMEA described in IEC 60812
- Analyze any item for potential failures using an FMEA-based approach
- Set a failure criticality number for product requirements both initially and after mitigating requirements have been set
- Set a risk priority number (RPN) for product requirements both before and after mitigations have been identified

How FMEA Works in Risk Management Center

1. Create a risk analysis based on an FMEA template
2. Invite a team to participate in product risk analysis
3. See risk levels as you work together
4. Add mitigating requirements to your risk analysis
5. Reevaluate risk level after mitigation
6. Export the analysis
Additional Features

Structured Homepage
Risk Management Center starts on its own homepage with analyses and templates that are assigned to you. Easily bookmark, organize, and identify recently viewed analyses to pick up where you last left off.

Complete Traceability
Add links from multiple requirements and verifications to risks in Jama Connect to better manage development complexity, assess the impact of changes, and ensure quality. See what items have risks associated in Jama Connect for a 360°view.

Export Functionality
Simplify audits by exporting risk analysis and plan elements to Microsoft Excel to allow sign-off in a document or part management tools.

For more information on the Jama Connect Risk Management Center, contact your Jama Connect account manager or email sales@jamasoftware.com.

ABOUT JAMA SOFTWARE
Jama Software provides the leading platform for requirements, risk, and test management. With Jama Connect and industry-focused services, teams building complex products, systems, and software improve cycle times, increase quality, reduce rework, and minimize effort proving compliance. Jama’s growing customer base of more than 600 organizations includes companies representing the forefront of modern development in areas such as automotive, medical devices, financial services, industrial manufacturing, and aerospace.