

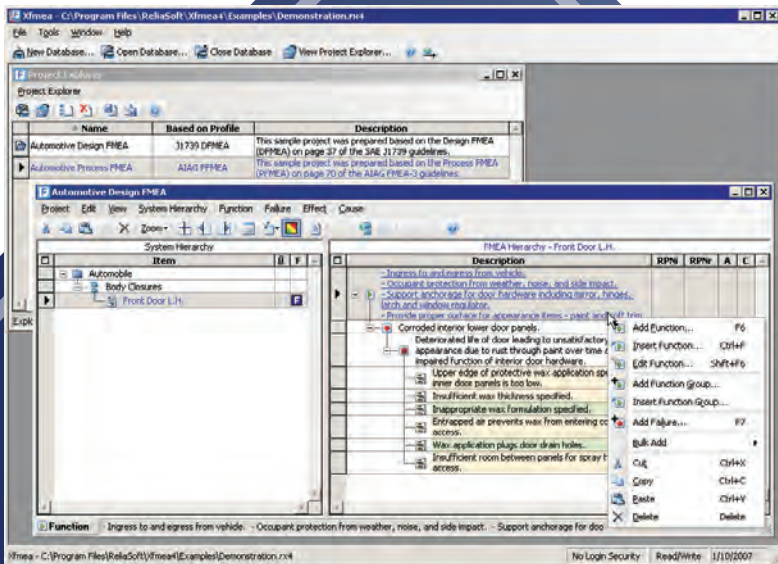
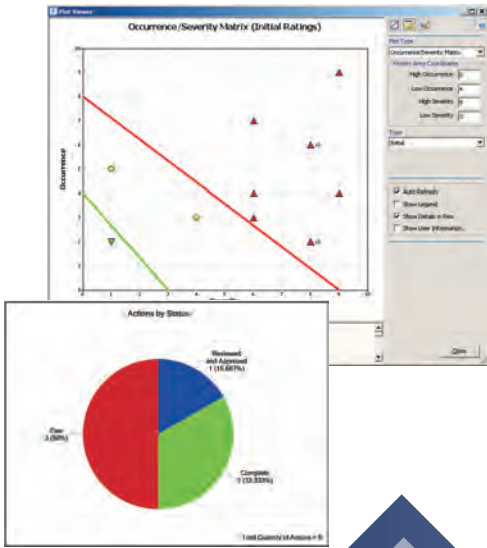


# XFMEA

Expert Support for All Types of FMEA and FMECA<sup>SM</sup>

*Failure Modes and Effects Analysis (FMEA) and Failure Modes, Effects and Criticality Analysis (FMECA) are methodologies designed to identify failure modes for a product or process, to assess the risk associated with those failure modes, to rank the issues in terms of importance and to identify and carry out corrective actions that address the most serious concerns.*

*ReliaSoft's Xfmea software facilitates the FMEA/FMECA analysis process and provides flexible data management and reporting capabilities. The software also provides integrated support for related analyses, such as Control Plans, Design Verification Plans and Design Reviews Based on Failure Mode.*



Potential Effect(s) of Failure	SI	Potential Cause(s)/Mechanism(s) of Failure	OI	DI	RPN	Current Process Controls
Deteriorated life of door leading to: - Unsatisfactory appearance due to rust through paint over time. - Impaired function of interior door hardware.	7	Manually inserted spray head not inserted far enough.	8	5	280	Visual check each hour - 1 shift for film thickness (depth meter) and coverage.
Spray head clogged - Viscosity too high - Temperature too low - Pressure too low.	5	5	5	175	Test spray pattern at start-up and after idle periods, and preventive program to clean heads.	
Spray head deformed due to impact.	5	5	5	175	hour - 1 shift for film meter) and coverage. enhancement program to	
Spray time insufficient.	5	5	5	175	hour - 1 shift for film meter) and coverage.	



<http://Xfmea.ReliaSoft.com>

# SUPPORT FOR ALL TYPES OF FMEA PLUS RELATED ANALYSES

ReliaSoft's **Xfmea** supports the major industry standards for all types of FMEA analysis (including Design FMEA, Process FMEA, FMECA, etc.) and also provides extensive customization options. The software includes numerous features to facilitate data entry/management, to help you find and use relevant data from existing analyses and to present analysis information in a variety of ways that effectively support decision-making.

## Key features include:

- ◆ **Support for All Types of FMEA and FMECA:** In addition to providing predefined profiles for all major reporting standards (such as SAE J1739, AIAG FMEA-3 and MIL-STD-1629A), **Xfmea** provides flexible capabilities to customize the interface and reports to meet the specific needs of your organization. This includes the ability to select and name the data fields you want to capture and display; set classifications, categories, priorities and other menu options; determine rating scales and criteria, etc.
- ◆ **Multiple Views of the Analysis Information:** **Xfmea** allows you to enter and view FMEA data in three complementary views: the traditional "worksheet" format, an intuitive hierarchical tree view or a sortable list filtered by record type (e.g. Causes ranked by RPN or Actions by Due Date). You can easily switch back and forth among the views in order to display the information in the best way to facilitate your current activity.
- ◆ **Easy to Find and Re-Use Existing Analysis Data or Phrases from Predefined Libraries:** By storing your analysis information in a relational database, **Xfmea** enables you to build and manage valuable, keyword searchable "knowledge bases" of existing FMEA information that can be shared throughout your organization.

The software makes it easy to find and re-use descriptions from any existing analysis or to select phrases from predefined libraries. When applicable, this information can be sorted and/or filtered to help you find the data you need. You also have the option to quickly import system configuration or existing FMEA data from outside data sources (using predefined Excel® templates).

- ◆ **Extensive Actions Management Capabilities:** **Xfmea** helps the team to track the progress on recommended actions and "close the loop" to assure that improvements are implemented. Options include the ability to send automated notifications via e-mail and to generate flexible reports and charts that can be used to track progress on completing assigned tasks.
- ◆ **Reports, Queries and Charts to Support Decision-Making:** **Xfmea** provides a complete set of print-ready reports (generated in Microsoft Word® or Excel®), graphical charts and flexible ad-hoc queries that allow you to display analysis information in the most effective ways to support decision-making.
- ◆ **Integration with Related Analyses:** **Xfmea** enables you to transfer relevant data between your Design FMEAs and Process FMEAs and also provides integrated utilities for related analyses, such as Design Verification Plans (DVP&Rs), Design Reviews Based on Failure Mode (DRBFMs), Process Flow Diagrams and Control Plans.

## Platform

Windows NT, 2000, XP or Vista.  
Microsoft Office 2000 or higher  
for report creation.

## Languages

English, German, French,  
Portuguese, Spanish and  
Simplified Chinese.

## Integration

Weibull++, ALTA, BlockSim,  
RCM++ and XFRACAS.

## Support

ReliaSoft's unparalleled  
after-sale support includes free  
telephone, fax or e-mail support.  
Free minor version updates are  
also included.



Item	Function	Failure Mode	Severity	Occurrence	Detection	RPN	Control Plan	Responsible	Due Date	Status
1	Function 1	Failure Mode 1	3	4	5	60	Control Plan 1	Responsible 1	Due Date 1	Status 1
2	Function 2	Failure Mode 2	2	3	4	24	Control Plan 2	Responsible 2	Due Date 2	Status 2
3	Function 3	Failure Mode 3	4	5	6	120	Control Plan 3	Responsible 3	Due Date 3	Status 3
4	Function 4	Failure Mode 4	1	2	3	6	Control Plan 4	Responsible 4	Due Date 4	Status 4
5	Function 5	Failure Mode 5	2	3	4	24	Control Plan 5	Responsible 5	Due Date 5	Status 5

**ReliaSoft.**



TOOLS TO EMPOWER  
THE RELIABILITY PROFESSIONAL