

In addition to this summary, this report includes the following forms:

- 1 CRITICALITY ANALYSIS (MIL-STD Qualitative)
- 2 CRITICALITY MATRIX (MIL-STD Qualitative)

## Xfmea Report Sample – Qualitative Criticality

This report was generated with ReliaSoft's Xfmea software in Microsoft Word. Similar reports can also be generated in Microsoft Excel. You can easily replace the Xfmea logo graphic with your own company logo. Within Word and Excel, reports can be edited/annotated, if necessary, and generated in PDF and/or HTML format for easy distribution.

This report includes:

- Qualitative Criticality Analysis spreadsheet in the MIL-STD-1629A reporting format.
- Qualitative Criticality Matrix chart, as specified in MIL-STD-1629A.

*Reports are based on fictional information that is not intended to be realistic.*

**CRITICALITY ANALYSIS**  
(Qualitative Analysis - 3.1)

SYSTEM 1 - Component A, 2 - Component B, 3 - Component C

DATE 3/26/2003

INDENTURE LEVEL 1 - Component A (Level 1), 2 - Component B (Level 1), 3 - Component C (Level 1)

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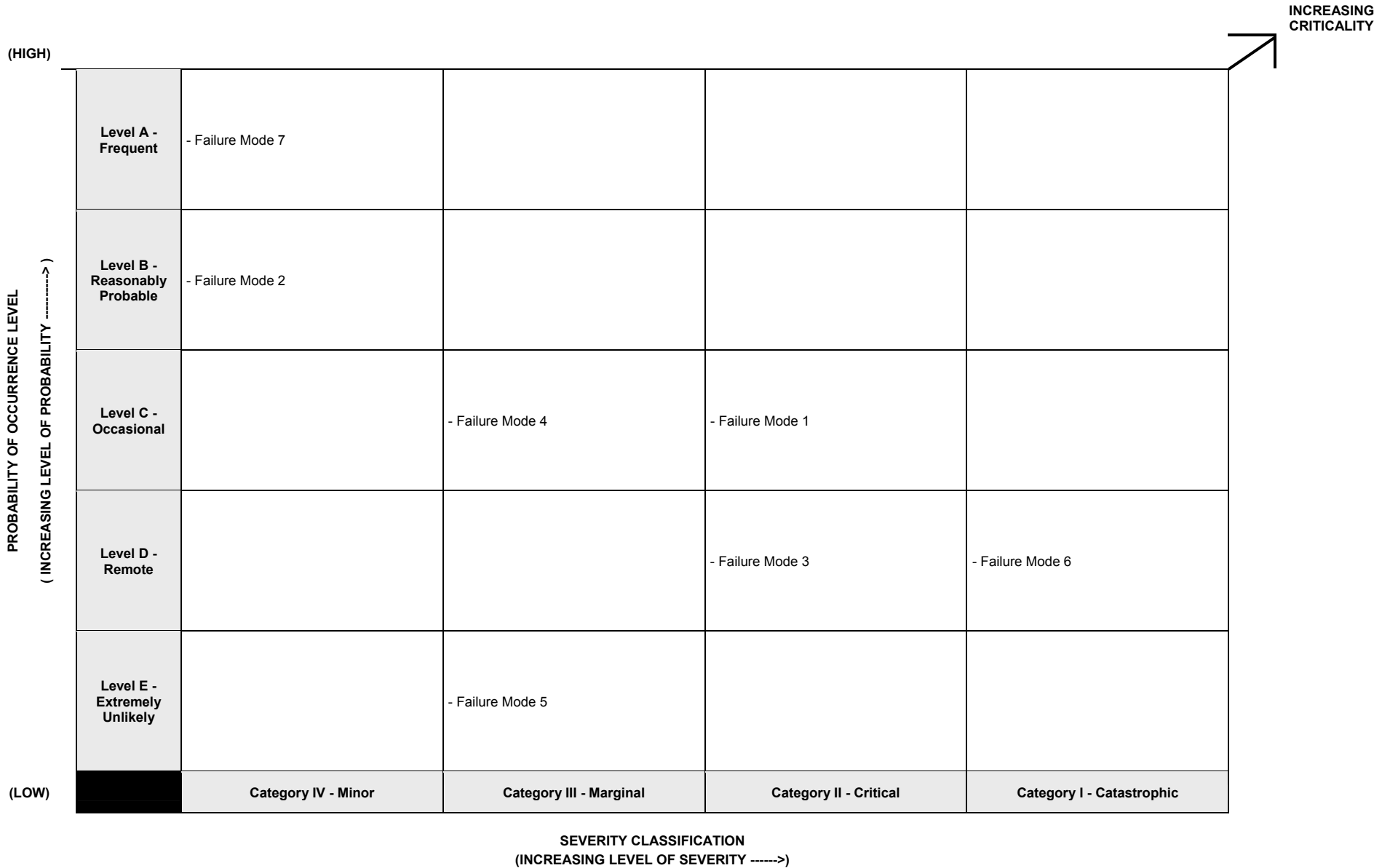
REFERENCE DRAWING RD1234, RD5678, RD9123

COMPILED BY ReliaSoft Corporation

MISSION Description of mission.

APPROVED BY ReliaSoft Corporation

IDENTIFICATION NUMBER	ITEM/FUNCTIONAL IDENTIFICATION (NOMENCLATURE)	FUNCTION	FAILURE MODES AND CAUSES	MISSION PHASE/ OPERATIONAL MODE	SEVERITY CLASS.	FAILURE PROBABILITY	OPERATING TIME (t)	REMARKS
1	Component A	Item functions as intended.	Failure Mode 1 - Cause 1 for Mode 1 - Cause 2 for Mode 1 - Cause 3 for Mode 1	All phases.	Category II - Critical	Level C - Occasional	1000	Remarks related the item and/or the analysis.
			Failure Mode 2 - Cause 1 for Mode 2 - Cause 2 for Mode 2	All phases.	Category IV - Minor	Level B - Reasonably Probable		
2	Component B	Item functions as intended.	Failure Mode 3 - Cause 1 for Mode 3 - Cause 2 for Mode 3 - Cause 3 for Mode 3	All phases.	Category II - Critical	Level D - Remote	1000	Remarks related the item and/or the analysis.
			Failure Mode 4 - Cause 1 for Mode 4	All phases.	Category III - Marginal	Level C - Occasional		
			Failure Mode 5 - Cause 1 for Mode 5 - Cause 2 for Mode 5	Startup.	Category III - Marginal	Level E - Extremely Unlikely		
3	Component C	Item functions as intended.	Failure Mode 6 - Cause 1 for Mode 6 - Cause 2 for Mode 6	Shutdown.	Category I - Catastrophic	Level D - Remote	1000	Remarks related the item and/or the analysis.
			Failure Mode 7 - Cause 1 for Mode 7 - Cause 2 for Mode 7	All phases.	Category IV - Minor	Level A - Frequent		





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## Xfmea Report Sample – Qualitative Criticality (2)

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**CRITICALITY ANALYSIS  
(Qualitative Analysis - 3.1)**

SYSTEM 1 - Widget  
 INDENTURE LEVEL 1 - Widget (Level 1)  
 REFERENCE DRAWING RS 12345  
 MISSION Description of mission.

DATE 3/26/2003  
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 COMPILED BY ReliaSoft Corporation  
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IDENTIFICATION NUMBER	ITEM/FUNCTIONAL IDENTIFICATION (NOMENCLATURE)	FUNCTION	FAILURE MODES AND CAUSES	MISSION PHASE/ OPERATIONAL MODE	SEVERITY CLASS.	FAILURE PROBABILITY	OPERATING TIME (t)	REMARKS
1	Widget	Performs an unnamed mechanical function.	Defective part. - Quality Assurance controls for manufacturing do not function adequately.	All phases.	Category II - Critical	Level D - Remote	750	This is an imaginary product used for demonstration purposes.
			Improper installation. - Quality Assurance controls for assembly do not function adequately. - Repair personnel did not install new component properly.	All phases.	Category III - Marginal	Level C - Occasional		
			Improper lubrication. - Maintenance personnel did not provide sufficient lubrication. - A leak caused the accelerated depletion of lubricating material.	All phases.	Category I - Catastrophic	Level B - Reasonably Probable		

		 <b>INCREASING CRITICALITY</b>			
<b>PROBABILITY OF OCCURRENCE LEVEL</b> ( INCREASING LEVEL OF PROBABILITY -----> )	(HIGH)	Level A - Frequent			
	Level B - Reasonably Probable			- Improper lubrication.	
	Level C - Occasional	- Improper installation.			
	Level D - Remote		- Defective part.		
	Level E - Extremely Unlikely				
(LOW)		Category IV - Minor	Category III - Marginal	Category II - Critical	Category I - Catastrophic
		<b>SEVERITY CLASSIFICATION</b> (INCREASING LEVEL OF SEVERITY ----->)			