



CARAD-Computer Aided Risk Analysis and Documentation SurgiTAIX AG



BACKGROUND and BASICS

The CARAD Software was developed especially for the creation and documentation of risk analyses corresponding to the applicable standard DIN EN ISO 14971.

A risk is measured with a risk priority number, which is computed from the occurrence probability of the reason, the discovery probability of the error and the damage of the consequence.

The risk can be lowered by creating protective measures, which can be applied to the reason, error or consequence.

CARAD Risk-analysis report						created
Risk-analysis name: 'Neue Risikoanalyse' from file: GM-mit-ohne-gleich.mdb						
Revision from 02.09.2008						
Ignore detection probability: No, Ignore protective measures: No						
Maximum value: Severity: 5, Detection Probability: 5, Occurrence Prob:						
RPN boundaries: 5 / 20						
Risk Analysis Description:						
Index	Workstep	Error	DP [%]	PM	DP	Reason
1.1.1.1	Steuerungsrechner anschliessen					
1.1.1.2	Steuerungsrechner einschalten	Fehlfunktion des Steuerungsrechners	50			Neue Ursache
		Fehlfunktion des Steuerungsrechners	50			Belegung Anschlüsse (Steuerrechner) (1.1)
1.2.1	Absenken der Säge auf Arbeitshöhe	Arbeitshöhe ist nicht korrekt	50	(modified by preceding error)	3	Fehlfunktion Steuerrechner (1.1)

DP: Detection Probability, PM: Countermeasure, OP: Occurrence Probability, S: Severity

CONCEPT and SOLUTION

With CARAD the user is able to create complex construction and process analyses using an easy understandable graphical interface. The analysis is displayed in an intuitive tree presentation, where errors, reasons and consequences including protective measures and consecutive errors are defined and arranged. Very complex processes can be organised. A risk report is automatically generated which conforms to FMEA.

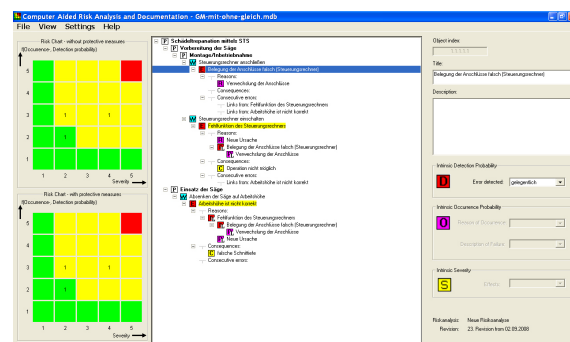
- Easy handling, clear arrangement
- Automatic generation of a report according to the standards
- Integrated revision management
- Real time update of all graphs



STATUS and OUTLOOK

CARAD version 1.8 available, CARAD version 2.0 soon to be released (free upgrade for version 1.8 users).

Demo version and more information about our services at: www.SurgiTAIX.com.



Contact:
SurgiTAIX AG, Pauwelsstraße 19, 52074 Aachen, Germany, Phone. +49 (0) 241 9632146,
Fax: +49 (0) 241 9632145, E-Mail: office@surgitai.de, carad@surgitai.de