

OPERATIONAL SAFETY RAMS : TOOLS & STUDIES



RAM Commander

Reliability and Safety Software

THE MOST ADVANCED RAMS TOOLKIT ON THE MARKET!

RAM Commander is the result of more than 30 years of expertise in development of Safety and Reliability analysis. It is an indispensable tool for ensuring reliability of sophisticated systems.

ALL RAMS ANALYSES IN A SINGLE PACKAGE

- Reliability prediction (MTBF, MTTF) and analysis
- Maintainability Prediction (MTTR)
- FMECA / FMEA (process & design)
- Fault Tree Analysis
- Event Tree Analysis
- Safety Assessment

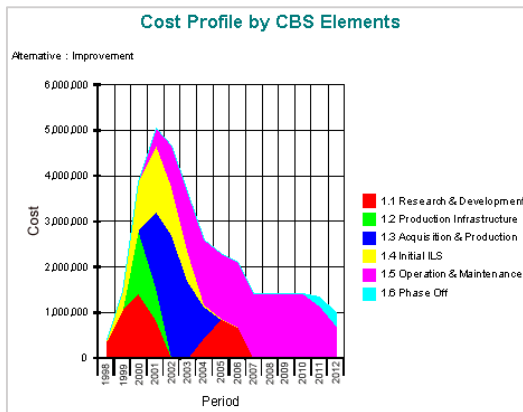
Project Information Name: TUTORIAL Revision: 1 Description: Sample Communication System Edit project properties	Reliability Analysis Reliability Block Diagrams Open Available, 6 diagrams Markov Analysis Open Available, 8 diagrams Mission Profile Available, 1 mission profiles	Failure Analysis FMECA Open Available, with Testability Fault Tree Analysis Open Done, 3 trees Event Tree Analysis Open Done, 1 diagrams Process FMEA Open Available Design FMEA Open Available
Product Tree: Available Open	Maintainability/ILS/Maintenance Maintainability prediction Open Done, MTTR=6.374304 h Spare parts Available, 1 scenarios RCM MSG-3	Safety Safety Assessment Open Available, 3 failure conditions MMEL II A
Reliability Prediction Operating mode Open Done, FR=187.977 Non-Operating mode Open Done, FR=15.4868 Derating/Stress analysis Open Available, 3 scenarios		

RAM Commander covers all the tasks required from reliability and safety engineers, as well as the designers for rapid Reliability and Availability calculation, Maintainability, Safety and Risk analysis.

The software's main building block is the bill of materials, which can either be imported from external applications or built manually in RAM Commander.

RAM Commander is a modular application: modules can be used and purchased separately, or as an integrated RAMS toolkit.

FavoWeb™ is a third generation, web based and user configurable Failure Reporting, Analysis and Corrective Action System (FRACAS) that captures information about equipment or the processes throughout its life cycle, from design, production testing, and customers support.



D-LCC makes life cycle cost analysis accessible and understandable.

It is an advanced tool for life cycle cost calculation, total ownership cost and sensitivity cost analysis.

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ALTELIOS TECHNOLOGY GROUP AND RAMS STUDIES

ALTELIOS TECHNOLOGY Group is an engineering consulting company created in 2005, recognized for its expertise in the fields of innovation, new technologies and operational safety. (www.fiateq.fr).

ALD SOFTWARE

ALD Software Ltd, member of ALD Group, is a world leader in Reliability Engineering, Safety and Quality Solutions. Since 1984 the company has been engaged in three main activities:

- Reliability, Safety and Quality Professional Services
- RAMS, FRACAS, ILS and LCC Software Development
- Quality, Reliability, Safety Training

PARTNERSHIP ALD & ALTELIOS TECHNOLOGY GROUP

AlteliOS Technology Group has been an official partner since 2016 and exclusive distributor of ALD solutions in France and Belgium.

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