RCM++

ReliaSoft RCM++ facilitates the Reliability Centered Maintenance (RCM) analysis approach to improve reliability of the assets and optimise maintenance planning.

Features

- Supports all the major RCM industry standards, such as ATA MSG-3, SAE JA1011 and SAE JA1012.

- Includes configurable capabilities for Equipment Selection, Failure Effect Categorisation and Maintenance Task Selection.

- Provides full-featured capabilities for FMEAs and related analyses.

- Provides simulations that can be used to compare maintenance strategies based on cost and availability, and a calculator to estimate the optimum replacement interval.

Benefits

- Develop cost-effective scheduled maintenance plan for a physical asset with an acceptable level of functionality and acceptable level of risk

- Evaluate whether preventive maintenance (PM) is appropriate and determine the optimum preventive maintenance intervals to minimise downtime and operating cost

- Save time on data entry and analysis processes to drive more efficient and more effective analyses

- Assess risks at different levels using FMEA analysis and easily create maintenance tasks by configuring equipment and categorising failure effects

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RCM++ Software Highlights

RCM standards

- SAE JA1011/1012
- MSG-3
- NAVAIR 00-25-403
- Highly configurable to define your own custom profiles

Support for RCM logic

- Equipment Selection
  - Yes/No Questions
  - Criticality Factors (Rating Scales)
- Failure Effect Categorisation (FEC)
- Maintenance Task Selection
- Highly configurable to define your own logic charts

Maintenance strategies

- Run to failure
- Preventive Maintenance (PM)
  - Scheduled repair
  - Scheduled replacement
  - Scheduled service
  - Failure finding inspection
- Predictive Maintenance (PdM)
  - On condition inspection
- Comparative Analysis

Reliability calculations

- Analytical and/or simulation results
- Reliability
- Average availability
- Operating cost

Maintenance planning

- Optimum replacement time
- For a given maintenance strategy:
  - Cost per operating time
  - Average availability
- Flexible task packaging
- Teams/multiple crews for tasks
- Multiple spare part tools for tasks

Organisation and data structure

- Easy to build system configurations
- 3 views for data entry
  - Hierarchy (Tree) View
  - Worksheet View
  - Filtered View

Easy to find and reuse data

- Browse or query to import existing data
- Use keywords to find and import existing record descriptions
- Copy/paste and drag/drop

Predefined reports and charts

- Equipment selection
- Functional failure analysis
- Failure effect categorisation
- Maintenance task selection
- Maintenance task summaries
- Pie, bar and Pareto charts

Tools and utilities

- Custom query utility
- Customised templates for imports, queries and reports
- Analysis planning tool
- Links and attachments
- Find and replace
- Action alerts via e-mail, SMS text message or Synthesis portal message

Integrated FMEA capabilities

- Configurable for all types of FMEA
- Risk Priority Numbers (RPNs)
- Criticality analysis
- Track corrective actions
- FMEA reports, charts and dashboards

Import types

- Microsoft Excel® - build and manage custom templates for import/export
- Import from XFMEA, MPC and XFRACAS

File output

- Microsoft Excel® and Microsoft Word®
- Easily export to *.pdf, *.rtf or *.html from Word or Excel

Reliability program integration

- Use published models to define the RAMS characteristics of items
- Work with a Failure Modes and Reliability Analysis (FMRA) that is synchronised with BlockSim
- Use FMEA data to build fault trees in BlockSim
- Share system configuration and failure mode data with XFRACAS
- Import data from an MPC analysis
- Push calculated/simulated reliability and availability to metrics

Available services

- Detailed user documentation
- Practical example files
- Quick tour guide
- Training for theory + software
- Professional engineering services

For more information visit:

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Holistic Asset Management is the Australia and New Zealand reseller of ReliaSoft Software from HBM Prenscia Inc. These expert analysis tools are benchmarks in the reliability industry and are widely used in various industry sectors to facilitate the practical application of reliability in maintenance, asset management, product development and after sales.