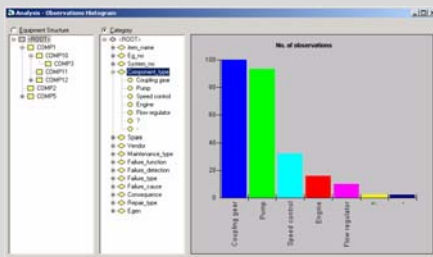
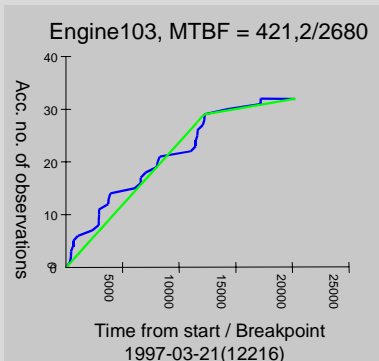


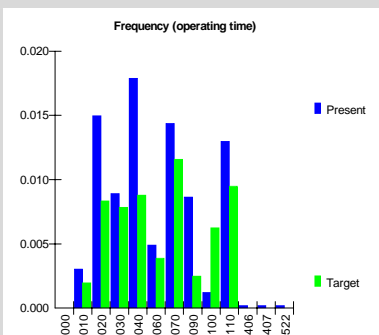
MaDCAT source data and results



Data selection and structuring



Trend analysis



Key value analysis

Overview

- MaDCAT is a versatile experience data analysis tool designed to support reliability analysis and decision-making.
- MaDCAT supports experience data management in order to identify improvement potential and to decide on proper modifications in system hardware or software.
- MaDCAT utilizes existing system structures and cost model elements to categorize and analyse experience data.
- MaDCAT contains routines and algorithms to estimate frequencies, trends and life-lengths, to make prognoses, to support warranty evaluation and optimisation of maintenance intervals.

Features & Benefits

- MaDCAT is easily connected to existing customer databases via a set-up and data translation routines
- Intuitive user interface via equipment structure and data category trees.
- Data filtering and multi-criteria grouping functionality initiated through selections in the equipment structure and data category trees.
- Browser capabilities and batch wise calculations.
- Report generator facilities.
- Export functionality to other analysis tools
- Target value management.
- Customer specified calculation modules can be incorporated.

Applications

MaDCAT is used throughout a Product Life Cycle.

...in early logistics studies and tendering phase

- for generating comparative estimates of frequencies and costs based on own experience data feedback
- for documentation of equipment structure
- for documentation of frequency and cost target values

...in the operational phase

- for supervising the system reliability and cost driving elements
- for verification of stated equipment reliability requirements
- for trend analysis to identify deviations from target values
- for analysis to identify improvement potential
- for analysis to verify outcome of improvements
- for analysis to failure modes and causes
- for key value analysis
- for estimating system performance profiles

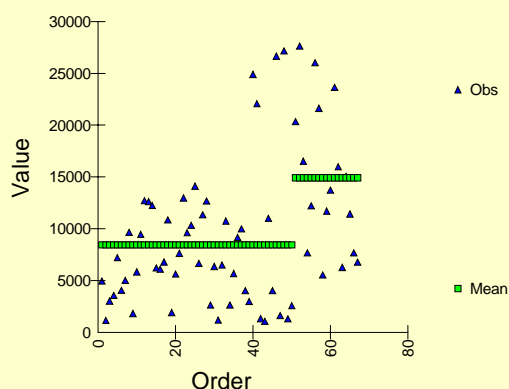
...for any kind of technical system

- Fighter jets & Airlines
- High Speed & Metro Trains
- Tankers & Submarines
- Hydro & Nuclear Powerplants
- Vehicle fleets
- Process plants
- Automobile manufacturing plants

Technical Specification

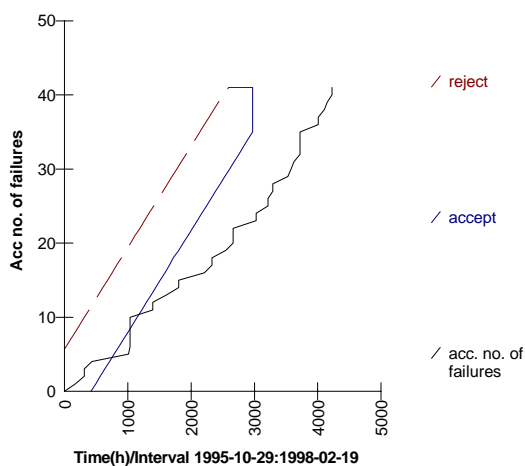
- User specified equipment structure tree
- Support for handling of variant equipment structure element denomination
- Automatically generated category tree
- No restrictions on categories
- Calendar time and operating time options
- Export functionality other analysis tools
- Microsoft Access database as middleware and link to customer databases
- Compatible with Microsoft Windows 95, 98, ME, NT, 2000 & XP

COMP12 -- Cost spares estimated mean = 14901



Cost development

COMP1(tot), MTBF = 106,1 / Accept



Reliability test plans

The key to improvement

Knowledge about system performance is the key to improvement. To be able to decide on proper actions, correct information from existing systems and methods for identification of the best solutions are needed. Even more important is the need for means to verify the effects of modification.

The improvement process needs easy and stable extraction of data. A main obstacle in the analysis process is time and effort required to identify, collect and verify analysis data.

The most important feature in the analysis support tool is therefore to enable a flexible and accurate method of data extraction. It should include the ability of multidimensional search support and return data and estimates in the same way at all times.

New Functionality

The latest additions to MaDCAT include target data handling, operating time categorization and report generator.

Services, Support and Upgrades

- Consulting services by experienced logisticians and developers

For customers with Upgrade and Support Agreement:

- Outstanding Technical and Modeling Support
- Free Regular Upgrades
- Annual visits