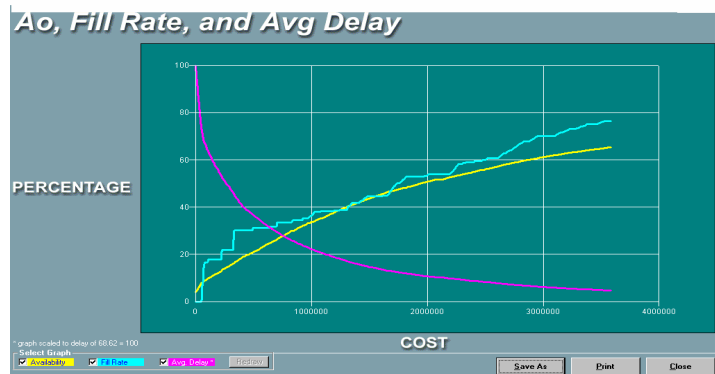# STAR-Q PROJECT

The STAR-Q SYSTEM is an observation system used for search and rescue missions. This requires a high operational availability for the system at all times.

The Star-Q project required the logistic engineering services of TFD Africa to optimize the support and maintenance concepts of the system to increase the availability and reduce the costs. The TFD Toolset (EDCAS, VMETRIC and MAAP) was used throughout the optimizing process.

Optimizing Process:

- Reliability Analysis
- Maintenance Concept Analysis
- Task Analysis
- Resources Analysis
- Total Ownership Cost Analysis
- LSAR Development
- Cost Forecasting (Budgets)

The optimizing process resulted in an optimal cost saving and an optimal availability percentage for these costs.

The simple interfaces between products of the TFD Toolset assisted with the interchange of data and allowed for the export of an LSAR. This resulted in a reduced "time-to-complete" for the overall logistic engineering project.

This project emphasized the necessity for the use of analytical models when logistic optimization is required. This project also highlighted the need for Tools that can provide "easy" mechanisms for the capturing, manipulating and exporting of logistic data.