



## EDCAS

### The Defacto Standard for Cost and Level of Repair Analysis

EDCAS is the decision support tool of choice for systems engineers, logistic planners and cost analysts seeking to identify cost-effective design and support strategies throughout the design, development and in-service phases of a system's life-cycle. By including the impact of Level of Repair in its LCC calculations, EDCAS will identify the lowest cost support policies for all system assemblies and, with its complete trade-off analysis capability, EDCAS users can evaluate the LCC impact of system design choices. EDCAS will also help you understand and assess cost risk through sensitivity analysis.

As in-service lives are extended, obsolescence grows and technology insertion becomes prevalent, we often experience Life-Cycle Costs (LCC) that extend beyond initial expectations. With increasing pressures on equipment procurement and support budgets, it is paramount that opportunities for improving the cost and performance of systems and their support are identified; not only during the design and development phases, but also throughout the system's life-cycle. EDCAS (Equipment Designers Cost Analysis System) is the ideal tool to help you seize these opportunities.

#### **BENEFITS OF EDCAS**

- Evaluate the Life-Cycle Cost (LCC) of an equipment design choice
- Compare the LCC of alternative system designs
- Identify the lowest cost repair policies for all assemblies in a system (LORA)
- Perform trade-off analysis for part attributes and alternative configurations
- Carry out sensitivity analysis on any combination of data inputs

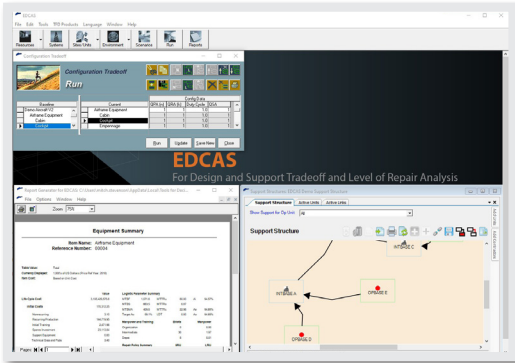
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# Equipment Designers Cost Analysis System

## EDCAS

With over 1,000 government and industry users worldwide, EDCAS is recognized as the Defacto Standard for Design Choice, Cost Assessment and Level of Repair Analysis. EDCAS brings logistic concerns inside the systems engineering decision loop and provides a rapid, intuitive tool to answer the design and supportability questions necessary to establish the required levels of system availability within an affordable budget.



## Features

- Intuitive graphical interface tied to TFD's secure Database
- Common data usage across TFD applications
- Standard data interfaces and spreadsheet import
- 4-indenture, n-echelon engineering model with different operating site attributes
- Total ownership cost including all acquisition, operating, support and disposal costs
- Multi-run capability for:
  - Sensitivity analysis
  - Trade-off analysis for configuration and other component/system attributes
- User-defineable and pre-defined outputs
  - Single page system summary
  - LOR detail page for every assembly
  - System spares summary by site
  - Export output reports to Excel®
- Fast run times
- Quasi-optimizing spares algorithm (responds correctly to unit price differences)
- Learning curve for production cost estimating

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