ITEM ToolKit

Integrated Reliability & Safety Analysis Platform

ITEM ToolKittm is a suite of comprehensive prediction and analytical modules all contained within an integrated environment. It has the benefit of object-oriented architecture, delivering accuracy, flexibility and ease of use. It offers you convenient features that provide a consistent format for all your analyses. This enables learning carry-over from one module to another.
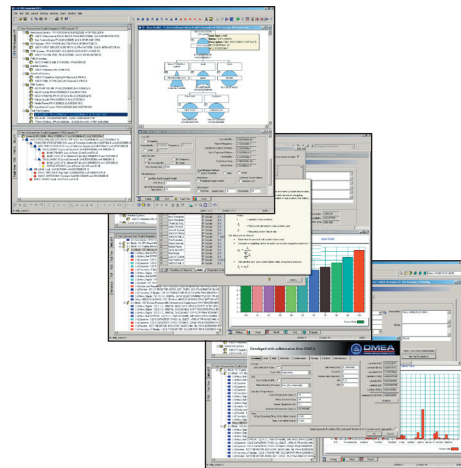
ITEM ToolKit has standardized many critical functions, shortcuts, and other features that operate identically in each module. This saves you time and effort, increasing productivity.

The program uses globally recognized standards and methodologies to analyze components, systems and projects. It enables a total system approach to analyzing individual systems and components, allowing you to optimize your design targets with respect to component selection, increased safety and reduced liability.

No other tool offers the diverse User Interface like that of ITEM ToolKit. You can create and analyze multiple systems and projects simultaneously, and share data with other engineers and departments.

An easy-to-use User Interface makes it faster and easier to maneuver throughout your project or system. You can view your data in a tabular grid, dialog box, hierarchy tree, chart or graph. Editing is as simple as a click on any of the standard options such as cut, copy, paste, drag and drop.

With its user-defined powerful import and export facilities, data can move seamlessly to and from BOMs, Excel, Access, text and comma delimited file formats. The creation of templates makes this even easier.

ITEM ToolKit Modules:

- Reliability Prediction
  - *MIL-HDBK-217*
  - *Bellcore/Telcordia*
  - *NSWC*
  - *IEC 62380 (RDF)*
  - *IEC 61709*
  - *China 299B*
- FMEA/FMECA/FMEDA
- Reliability Block Diagram
- Fault Tree Analysis
- Event Tree Analysis
- Markov Analysis
- Maintainability
- Spares Scaling & Ranging

The purchase and installation of your software has been a refreshing experience.
D.L. L-3 Comm.

We were delighted with the integrated approach to the Safety Analysis... ITEM ToolKit was able to identify weak areas of our design and improve overall reliability.
P.M. Knorr-Bremse

Tech Notes

- Build and open multiple systems and project files
- Drag and drop components and systems between projects
- Powerful reporting and charting facilities
- Import and export to MS Excel, Access, Word etc.
- Produces minimal cut sets

- User defined custom library facilities
- Advanced hybrid linking and modeling
- Redundancy modeling including hot standby
- Linked Block facility reduces entry repetition
- Automatic Criticality calculations

- Analyzes uncertainty, sensitivity and Common Cause Failure (CCF)
- DMEA detail model for increased accuracy
- Converts CAFTA models automatically
- Capacity & flow model
- User defined and specific Derating standards

Technical Highlights:

- Life Cycle Management ☑
- Analysis Integration ☑
- Fast & Customizable Reports ☑
- Full Importing & Exporting ☑
- Results Validation ☑
- Flexible Licensing ☑
- Web Training Classes ☑

item *Software*