

Input engine

- Input from Tab, space, coma, fixed, etc. delimited with method to choose fields-to-column relationship.
- Manual input option
- Accept data already analyzed via customer for ave. & std.
- Allow engineering estimates
- Browse data for cross check and documentation review by data review group.
- Generate output forms for entry into printed version of hb.
 - Do simple statistics
 - Graphing for time dependent & thermal properties.
- Allow easy entry into granta system for CD.

Stand alone mil-17 CD (Granta)

- Std. Database features
 - Search
 - Browse
 - Discriminate (advanced search)
- Graphing
 - Fast fracture
 - Stress - strain curves*
 - Single
 - Grouped*
 - All same conditions
 - Different temperatures
 - Averaged*
 - Thermal
 - ? vs. Temp.
 - Time dependent
 - Creep Rupture*
 - residual vs. Temp.
 - Individual creep strain vs. Time
 - Relaxation*
 - individual Stress vs. Time
 - residual vs. Temp.
 - Fatigue*
 - S - N curves
 - E - N curves

Approval classes

- Screening: 3dt pts. 1 batch
- Interim: 12dt pts. 3 batches
- Preliminary design data: 18dt pts. 3 batches.
- Fully approved: 30dt pts. 5 batches.

Approval process

Export control path concurrent with data input. Part of database?

Need export control form for signatures.

Use input db for review

Time dependent data

- Input forms
 - Output forms
- Graphical.

Outline for data section

- Procedures for submission of data
- Classification
- Documentation requirements (already there)
- Data normalization not done with CMCs (see 2.4.3)
- Statistical analysis (reference to section 8.3.1)
- N