

Using DSI Workbench with Historical Data



Raytheon IDS

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DSI Workbench: Versatile

- Workbench software can be configured in many ways to support different applications.
- One application is to present historical repair data.
- This can be used to make troubleshoot decisions and develop plans to address stockpiles of units at troubleshoot.
- It is well suited for high volume units with existing historical repair data.

DSI Workbench: Quick To Deploy

- A Workbench job to display historical data can be deployed in just a few hours.
- A minimum of 3 files are needed to start from.
 - Parts List: An excel file listing the reference designators
 - Test Names: An excel file listing the tests run against the hardware
 - Repair Histories: An excel file containing unit troubleshoot and repair histories
- Additional files can be added to the job
 - Assembly Drawing
 - X/Y Coordinates of parts
 - Data Sheets
 - Any other desired reference documents or videos

Various relevant data can be utilized

- A variety of attributes and historical data can be incorporated
 - Ticket Number
 - Unit Serial Number
 - Failing Test Name
 - Date/Time
 - Resolution Category (ie Component Failure, Test Station Failure, etc)
 - Action Type (ie Replace, Repair, Retest, etc)
 - Feedback/Comment Field
 - Reference Designator
 - Fault Corrected (ie Did the failing test pass once the rework was complete)
 - Condition (Can be used to represent temp. Was failure at hot, cold, amb?)
 - Resolution Attribute (Can be used to associate a cost with a replace or repair)
 - Note: Fields such as Resolution Category and Action Type are customizable.

Reduces Troubleshoot Times and Costs

- Workbench can quantify rework histories and show applicable conditions, relative costs and effectiveness trends of the repairs.
- Relevant rework histories are easily accessible for troubleshooters to use to disposition hardware.
- Workbench compiles and presents data making it easy to formulate troubleshoot plans for guidance addressing failures with histories.
- Troubleshoot plans created based on the data compiled in Workbench can be used to more quickly tackle backlogs of failed units.