



Jeffries Technology Solutions
Corporate Services



ReConn Tool
Tracking your requirements all the way!

JeTSI provides diverse services in systems engineering, systems architecture and modeling, enterprise architecture, program management, and cost estimation and analysis.

ReConn Tool[®] provides instantaneous views of requirements hierarchies to facilitate requirements closure and traceability analysis. It is used by JeTSI systems engineers, and annual purchased licenses are available to co-project engineers. ReConn Tool has been accepted by NASA as secure.

The Joint Polar Satellite System (JPSS) Program support spanned requirements engineering from Level 2 (Flight-Ground and Mission) to Level 4/Level 5 (Implementation) Requirements. The inherited NPOESS technical baseline had to be overhauled. We needed to map the NPOESS requirements to the JPSS era requirements, and show the flow-down to all the implementing organizations. JPSS NASA Systems Engineers had to realign and engineer 500 Level 3 Requirements down into about 1,000 Level 4's and 800 Level 5's. It was too big, cumbersome, and proved impossible to analyze. With a desire to streamline the process of review and analysis of the requirements, and to increase productivity, our software engineers went to work to improve the macro spreadsheet concept. And ReConn Tool was born!

ReConn Tool captures an instance of the multi-module traces out of DOORs by allowing the user to enter a specific Requirement ID to directly see the Requirement and its associated upper and/or lower Level Requirements. Additionally, the software allows the user to toggle on and off criteria thus displaying only the detail information necessary at the moment.

ReConn Tool is comprised of three elements:

- Parser that ingests Excel spreadsheets
- Database containing requirements, attributes, & tracing/linkages
- Suite of HTML pages to use for viewing, zooming in/out, and printing

JeTSI Systems Engineers can develop, analyze, trace, and manage your requirements hierarchies quicker, easier, and more efficiently using ReConn Tool saving your project time and money.

For more information or to discuss any of the above services, please contact Leslie Jeffries. She may be reached at (703) 471-7588 or at Leslie@jetsi.com.