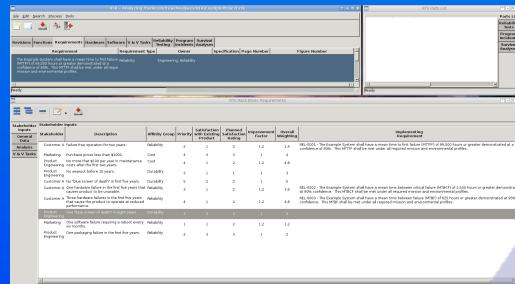


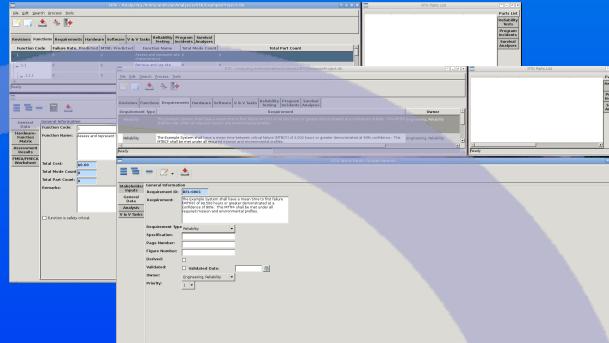


The Reliability ToolKit (RTK)

Managing Your Reliability Program



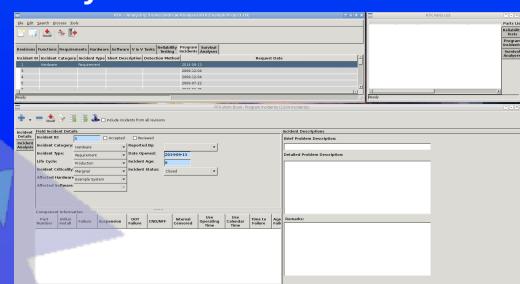
Capture, categorize and prioritize internal and external stakeholder inputs. Link stakeholder input to implementing requirement.



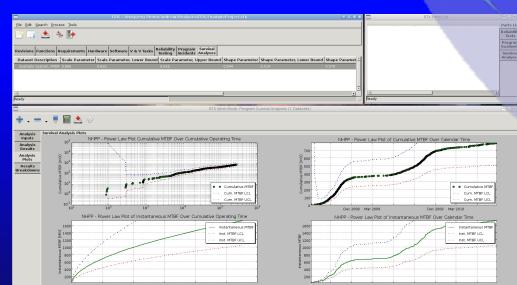
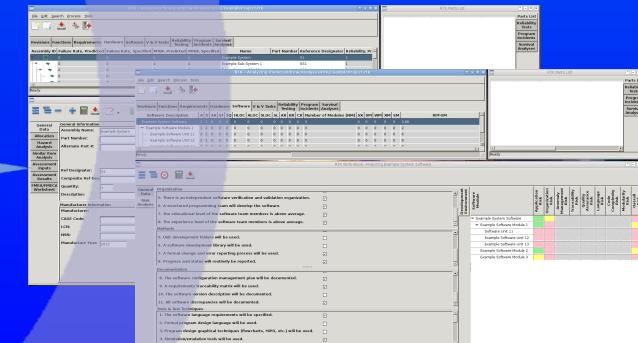
Define system functions and perform analysis of the functions. Generate and verify engineering requirements. Link the requirement to one or more validation task.

Develop and design system hardware and software. Allocate the system reliability requirement and assess current reliability. Analyze the risk associated with the software development program.

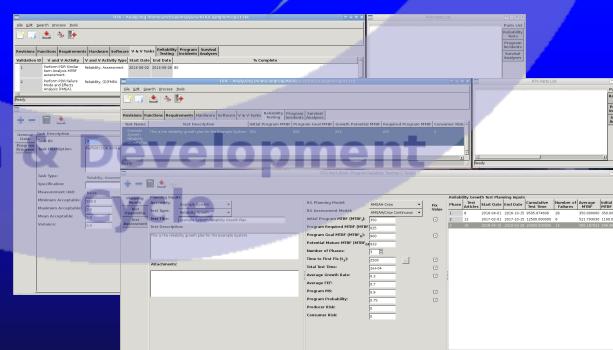
Failures are reported for analysis and corrective action.



Analyze field failure data, identify trends, and implement reliability improvement actions.



Design & Development



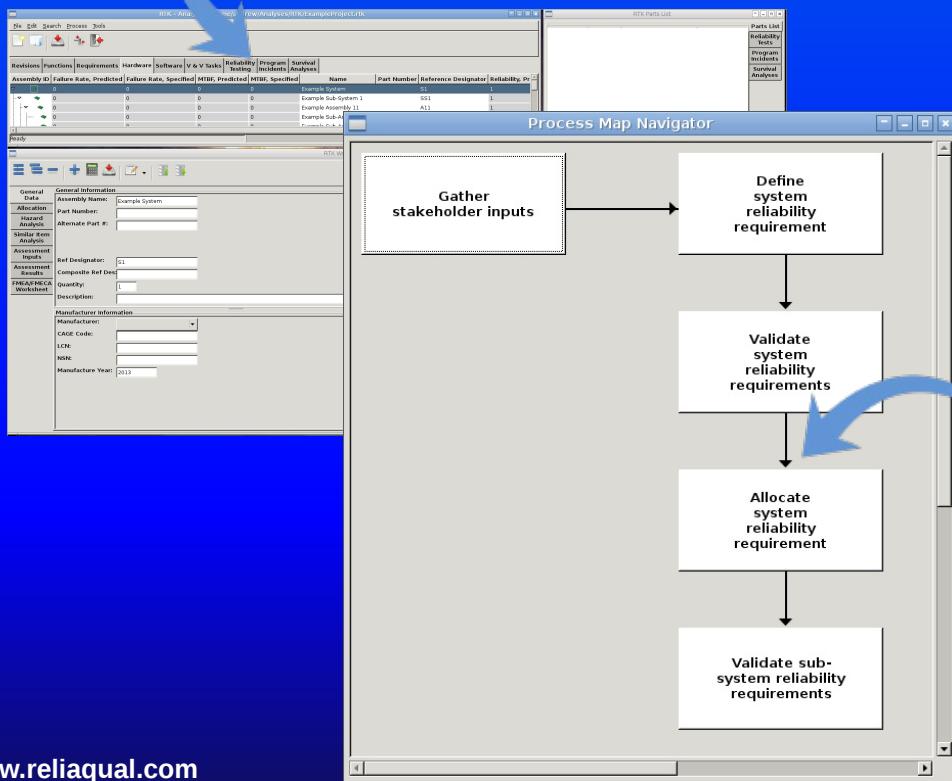
Document and track progress of validation tasks. Plan and monitor reliability testing of the system.



The Reliability ToolKit (RTK)

Managing Your Reliability Program

Navigate RTK by selecting the Module and Work Book page to work on. This would be the standard mode of navigating the software. The user must know and understand the reliability program process to be able to select the proper RTK Module and the proper page in that Module's Work Book.



Design Review Navigator				
Ria ID	Criteria	Rationale	Satisfied	Remarks
	Avenues of technical interchange between R & M experts and other engineering groups (e.g., Design, Engineering, Systems Engineering, Test and Evaluation, etc.) have been established.	R & M engineering should participate at all engineering group meetings where R & M is effected. Easy avenues of technical interchange between the design groups and other groups must exist.	<input checked="" type="checkbox"/>	
	High quality devices are being used wherever possible and procurement lead times for these devices are adequate.	Use established vendors with good quality track records.	<input checked="" type="checkbox"/>	
	An up-to-date referred parts list has been established for use by designers.		<input checked="" type="checkbox"/>	
	Reliability assessment procedures are in accordance with requirements.		<input type="checkbox"/>	

Document the results of your design reviews. Assign actions, owners, and due dates for those program milestone concerns that aren't, yet, satisfied.

Follow your reliability program process map to navigate through RTK. Pressing the process step you wish to work with on the process map automatically selects the correct RTK Module and Work Book page. RTK ships with a generic reliability process map. ReliaQual Associates will work with your team to develop a navigable process map specific to your reliability process.

NOTES