

Test and Simulation

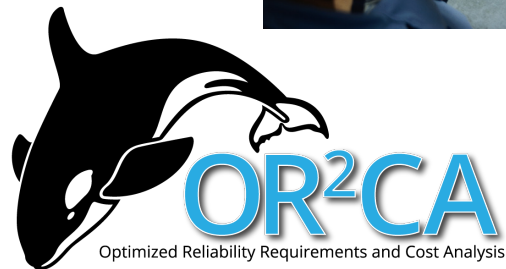
What is it?

A Test and Simulation strategy involves defining the “right” mix of each to ensure a design/process is optimized and is meeting both its internal and customer requirements. An appropriate strategy minimizes test risk, is based on accurate simulation of the operational environment, and cost-effectively applies available resources.



What's the payoff?

Testing can be very expensive. It ties up facilities, production assets, personnel and takes time. Proactive Design for Reliability test/simulation activities and appropriate tailoring of reliability test objectives (growth, compliance and screening) can minimize test costs and optimize overall test/simulation efficiency and effectiveness.



How can we help?

- › Help you define the right strategy for test and simulation that will conserve organization resources
- › Determine the appropriate environmental stresses and customer usage profiles to optimize your test and simulation results
- › Implement techniques to conserve your organization's resources, such as Bayesian analysis and accelerated testing
- › Develop and implement an integrated reliability growth planning and tracking process, beginning early in product design and development, using appropriate Duane, AMSAA, or other models
- › Develop test documentation in the form of plans and/or procedures, as well as test selection and planning strategy guides
- › Monitor third party testing and provide independent assessments and recommendations for further testing and/or corrective action