# Generic Quality Risks for Software and Hardware

## Component testing

**States.**

**Transactions.**

**Code Coverage.**

**Data Flow Coverage.**

**Functionality.**

**User Interface.**

**Mechanical Life.**

**Signal Quality.**

## Integration testing

**Component or Subsystem Interfaces.**

**Functionality.**

**Capacity and Volume.**

**Error/Disaster Handling and Recovery.**

**Data Quality.**

**Performance.**

**User Interface.**

## System and acceptance testing

**Functionality.**

**User Interface.**

**States**

**Transactions.**

**Data Quality.**

**Operations.**

**Capacity and Volume.**

**Reliability, Availability, and Stability.**

**Error/Disaster Handling and Recovery.**

**Stress.**

**Performance.**

**Date and Time Handling.**

**Localization.**

**Networked and Distributed Environments.**

**Configuration Options and Compatibility.**

**Standards Compliance.**

**Security.**

**Environment.**

**Power Input, Consumption, and Output.**

**Shock, Vibration, and Drop.**

**Installation, Cut-Over, Setup, and Initial Configuration.**

**Documentation and Packaging.**

**Maintainability.**

**Alpha, Beta, and other Live Tests.**