

Teaching Package to Jumpstart Your Tool Qualification Success

For people who must comply with DO-330 for Tool Qualification, this comprehensive set of 22 Review Checklists, plus a Sample Plan and Tool Qualification Data Template, can guide the team through the entire Tool Qualification process.

This package includes what everyone is seeking: An Example.

We provide a sample template for both DO-178C/Software projects and DO-254/Hardware projects.

This sample template includes information for the Tool Qualification Plan, as well as the data to be captured and the results expected to be shown. Plus, it's full of advice from a DER who has helped numerous teams through the project.

The template uses a commonly used commercial verification tool: a Linting tool used in a DAL A/B application, with no manual checking of the coding rules for which the tool provides credit.

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Tool Qualification Review Checklists to thoroughly review the planning and data documents you'll be audited on for tool qualification. These include:

- Overall Tool Qualification (TQ) Plan
- TQL-5 General Plan Review
- TQ Plan (Specifics)
- Tool Development Plan
- Tool Verification Plan
- Tool Configuration Management Plan
- Tool QA Plan
- Tool Standards
- Tool Requirements
- Tool Design Description
- Tool Code Criteria
- Tool Verification Cases and Procedures (C&P)
- Tool Verification Results
- Tool Trace Data Results
- Tool Operational Requirements
- Tool Installation Report
- Tool Operational V&V C&P
- Tool Operational V&V Results
- Tool Environment Configuration Index
- Tool Configuration Index
- Tool Accomplishment Summary
- Tool Records