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# ISO\_01\_Planning



This folder contains plans, standards, and checklists.

## checklists



This folder contains checklists for the review of requirements, models, code, test cases, and test results.

## plans



This folder contains software planning documents.

## standards



This folder contains software modeling and coding standards.

# ISO\_02\_Requirements



This folder contains life cycle data tied to software requirements.

## specification



This folder contains software requirements (.slreqx), as well as their traceability data (.slmx).

### documents



This folder contains Requirements Report(s).

## verification\_results



This folder contains Requirements Review Checklist(s).

# ISO\_03\_Architecture

This folder contains life cycle data tied to software architecture design.

## analysis



This folder contains all applicable safety analysis reports.

## specification

This folder contains the software architecture design (.slx), as well as its traceability data (.slmx).

## verification\_results

This folder contains the Architecture Review Checklist.

# ISO\_04\_Design



This folder contains life cycle data tied to design models.

## model\_name



This folder contains a design model and its verification artifacts.

### specification



This folder contains the design model (.slx), as well as its traceability data (.slmx).

#### data



This folder contains data dictionaries (.sldd/.m) used only by the design model.

#### documents



This folder contains the System Design Description Report of the design model.

### test\_cases



This folder contains test cases and procedures for the design model.

#### RBT



This folder contains requirement-based test harnesses (.slx) and requirement-based test files (.mldatx) developed for the design model, as well as their traceability data (.slmx).

#### SBT



This folder contains structure-based test harnesses (.slx) and structure-based test files (.mldatx) developed for the design model.

### verification\_results



This folder contains verification results for the design model.

#### design\_error\_detections



This folder contains the Design Error Detection Report for the design model.

#### design\_standard\_checks



This folder contains the Model Advisor Report for the design model.

#### model\_coverages



This folder contains Model Coverage Reports for the design model, including the cumulative Model Coverage Report.

##### RBT



This folder contains the Model Coverage Report produced by requirement-based tests of the design model.

##### SBT



This folder contains the Model Coverage Report produced by structure-based tests of the design model.

#### model\_metrics



This folder contains the Model Metrics Report for the design model.

#### model\_reviews



This folder contains the Model Review Checklist for the design model.

#### simulation\_results



This folder contains simulation results and Simulation Results Reports for the design model.

##### RBT



This folder contains simulation results and the Simulation Results Report produced by requirement-based tests of the design model.

##### SBT



This folder contains simulation results and the Simulation Results Report produced by structure-based tests of the design model.

## common



This folder contains common design constructs and applicable verification artifacts.

### specification



This folder contains shared blocks and data.

#### block\_libraries



This folder contains user-defined block libraries (.slx), as well as their traceability data (.slmx).

#### configurations

This folder contains model configurations (.sldd/.m) used for imposing compatible settings across all design models.

#### data



This folder contains common data dictionaries (.sldd/.m) used by multiple design models.

#### data\_types



This folder contains user-defined data types, including enumerations, buses, and aliases (.sldd/.m).

### test\_cases



This folder contains test cases and procedures for selective library blocks.

### verification\_results



This folder contains verification results for selective library blocks.

# ISO\_05\_Code



This folder contains life cycle data tied to source code and executable object code.

## specification



This folder contains code files generated from the design models and Code Generation Reports. It may also contain code files of manually written code. In the folder, the source and object files for all shared utilities and referenced models are organized in a slprj folder, while the source and object files for each top-level model is placed in a separate build directory.

## verification\_results



This folder contains verification results for the source and executable object code.

### code\_coverages



This folder contains Code Coverage Reports.

#### model\_name



This folder contains Code Coverage Reports for the code of the design model.

##### host



This folder contains Code Coverage Reports for the code of the design model collected via software-in-the-loop (SIL) operations, including the cumulative Code Coverage Report.

###### RBT



This folder contains the Code Coverage Report produced by requirement-based tests of the design model operating in software-in-the-loop (SIL) mode.

###### SBT



This folder contains the Code Coverage Report produced by structure-based tests of the design model operating in software-in-the-loop (SIL) mode.

##### target



This folder contains Code Coverage Reports for the code of the design model collected via processor-in-the-loop (PIL) operations, including the cumulative Code Coverage Report.

###### RBT



This folder contains the Code Coverage Report produced by requirement-based tests of the design model operating in processor-in-the-loop (PIL) mode.

###### SBT



This folder contains the Code Coverage Report produced by structure-based tests of the design model operating in processor-in-the-loop (PIL) mode.

### code\_metrics



This folder contains Polyspace Code Metrics Reports.

#### model\_name



This folder contains the Polyspace Code Metrics Report for the code of the design model.

### code\_proving



This folder contains Polyspace Code Prover Verification Reports.

#### model\_name



This folder contains the Polyspace Code Prover Verification Report for the code of the design model.

### code\_standard\_checks



This folder contains Polyspace Coding Standards Reports.

#### model\_name



This folder contains the Polyspace Coding Standards Report for the code of the design model.

### coding\_error\_detections



This folder contains Polyspace Bug Finder Analysis Reports.

#### model\_name



This folder contains the Polyspace Bug Finder Analysis Report for the code of the design model.

### eoc\_test\_results



This folder contains test results and Test Results Reports.

#### model\_name



This folder contains test results and Test Results Reports for the code of the design model.

##### host



This folder contains test results and Test Results Reports for the code of the design model collected via software-in-the-loop (SIL) operations.

###### RBT

This folder contains test results and Test Results Reports produced by requirement-based tests of the design model operating in software-in-the-loop (SIL) mode.

###### SBT

This folder contains test results and Test Results Reports produced by structure-based tests of the design model operating in software-in-the-loop (SIL) mode.

##### target



This folder contains test results and Test Results Reports for the code of the design model collected via processor-in-the-loop (PIL) operations.

###### RBT

This folder contains test results and Test Results Reports produced by requirement-based tests of the design model operating in processor-in-the-loop (PIL) mode.

###### SBT

This folder contains test results and Test Results Reports produced by structure-based tests of the design model operating in processor-in-the-loop (PIL) mode.

# ISO\_06\_ToolQualification



This folder contains tool qualification life cycle data.

## EmbeddedCoder



This folder contains the tool qualification life cycle data for Embedded Coder.

## PolyspaceBugFinder

This folder contains the tool qualification life cycle data for Polyspace Bug Finder.

## PolyspaceCodeProver



This folder contains the tool qualification life cycle data for Polyspace Code Prover.

## SimulinkCheck



This folder contains the tool qualification life cycle data for Simulink Check.

## SimulinkCoverage



This folder contains the tool qualification life cycle data for Simulink Coverage.

## SimulinkDesignVerifier



This folder contains the tool qualification life cycle data for Simulink Design Verifier.

## SimulinkRequirements



This folder contains the tool qualification life cycle data for Simulink Requirements.

## SimulinkTest



This folder contains the tool qualification life cycle data for Simulink Test.

# help



This folder contains the user guide for the MBD Platform.

# project\_configuration



This folder contains all project specific configurations.

## checks



This folder contains the Model Advisor configuration for use to detect violations of modeling standards and the Polyspace Coding Standard configuration for use to detect violations of coding standards.

## templates

This folder contains templates and configurations for creating new models.

### model\_configurations

This folder contains base model configurations that conform to modeling standards.

### model\_templates

This folder contains a model template that conforms to modeling standards.

# tools

This folder contains tools and configurations that are essential to the use of the project.

## apps

This folder contains visual layouts and callbacks of all available graphical user interfaces.

## icons

This folder contains digital images used for rendering graphics.

## utilities

This folder contains utility functions for use to perform essential development and verification tasks.

### checks

This folder contains utility functions for managing Model Advisor configurations.

### code\_generation

This folder contains utility functions for generating code and retrieving vital code file information.

### modeling

This folder contains utility functions for retrieving vital model and block library information.

### project\_management

This folder contains utility functions for managing the project.

#### shutdown

This folder contains a project shortcut that performs cleanup and restoration tasks when shutting down the project.

#### startup

This folder contains a project shortcut that performs registration and configuration tasks when starting up the project.

### report\_generation

This folder contains utility functions for generating System Design Description Reports and Requirements Reports.

### requirements\_management

This folder contains utility functions for configuring settings of Requirement Management Interface (RMI).

### verification

This folder contains utility functions for verifying models and code.

#### checklists

This folder contains utility functions that create review checklists.

#### dashboards

This folder contains utility functions that display quality measures on dashboards.

#### dynamic\_testing

This folder contains utility functions that verify models and code using dynamic testing methodologies.

#### static\_analysis

This folder contains utility functions that verify models and code using static analyses and inspections.

# work

This folder contains all works under development and intermediate verification results.

## cache

This folder contains model build artifacts used for simulation and Intermediate artifacts created by verification activities.