ChecklistGuro

Automotive SPICE (ASPICE) Process Assessment & Software Quality Checklist

Project Management (MAN.3) Compliance

Evaluation of project planning, resource allocation, monitoring, and control mechanisms to ensure software development milestones are met.

Project Manager Name

Write something...

Compliance Audit Date

Enter date...

Compliance Status

- [ ] Compliant
- [ ] Non-Compliant
- [ ] Partially Compliant

Areas of Non-Compliance

- [ ] Resource Allocation
- [ ] Risk Management
- [ ] Budget Overrun
- [ ] Timeline Slippage

Corrective Action Plan

Write something...

Supporting Evidence/Documentation

Upload File

Compliance Officer Approval

Requirements Management (SYS.2) & Traceability

Verification of system-level requirements, including bidirectional traceability between stakeholder requirements, system requirements, and software architecture.

Requirement ID

Write something...

Requirement Description

Write something...

Priority Level

- [ ] Low
- [ ] Medium
- [ ] High
- [ ] Critical

Traceability Links (Upstream/Downstream)

- [ ] Stakeholder Needs
- [ ] System Architecture
- [ ] Software Requirements
- [ ] Test Cases
- [ ] Verification Results

Supporting Documentation

Upload File

Last Review Date

Enter date...

Approver Signature

Software Architecture & Design (SWE.2) Verification

Assessment of the software architectural design, including interface definitions, component identification, and adherence to design constraints.

Verification Method

Write something...

Verification Activities Performed

- [ ] Peer Review
- [ ] Model Checking
- [ ] Simulation
- [ ] Traceability Analysis

Verification Results Summary

Write something...

Verification Report Document

Upload File

Verification Completion Date

Enter date...

Verifier Approval Signature

Software Unit Verification (SWE.4) & Testing

Audit of software unit testing processes, including test case development, coverage analysis, and verification against software detailed design.

Unit Test ID

Write something...

Verification Date

Enter date...

Test Status

- [ ] Passed
- [ ] Failed
- [ ] In Progress

Code Coverage Percentage

Enter a number...

Test Execution Summary

Write something...

Test Report Log

Upload File

Verifier Approval

Software Integration & Integration Testing (SWE.5)

Review of the software integration process, ensuring all software components work together correctly and pass integration test specifications.

Integration Test Plan ID

Write something...

Integration Strategy Description

Write something...

Integrated Modules

- [ ] Module A
- [ ] Module B
- [ ] Module C
- [ ] External API

Testing Environment

- [ ] Development
- [ ] Staging
- [ ] Production

Number of Test Cases Executed

Enter a number...

Integration Test Completion Date

Enter date...

Integration Test Report

Upload File

Lead Engineer Approval

Software Qualification Testing (SWE.6) & Validation

Validation of the completed software product against system-level requirements to ensure functional correctness and performance in target environments.

Test Case ID

Write something...

Test Summary and Results

Write something...

Execution Date

Enter date...

Pass/Fail Status

- [ ] Pass
- [ ] Fail
- [ ] Inconclusive

Test Evidence (Logs/Screenshots)

Upload File

Tester Approval

Requirements Verified

- [ ] Functional Requirements
- [ ] Safety Requirements
- [ ] Performance Requirements
- [ ] Interface Requirements

Configuration Management (SUP.8) & Version Control

Inspection of baseline management, change control procedures, and the integrity of the software configuration items throughout the lifecycle.

Configuration Item ID

Write something...

Configuration Status

- [ ] Draft
- [ ] Under Review
- [ ] Released
- [ ] Deprecated

Last Revision Date

Enter date...

Change Description

Write something...

Affected Modules

- [ ] Core Engine
- [ ] User Interface
- [ ] Database Schema
- [ ] API Layer

Change Log Documentation

Upload File

Approver Authorization

Automated Testing & Tool Qualification

Assessment of the tools used in the development lifecycle, ensuring they are validated, calibrated, and suitable for automotive-grade software development.

Test Suite ID

Write something...

Testing Environment

- [ ] Development
- [ ] Staging
- [ ] Production

Tools Used

- [ ] Selenium
- [ ] JUnit
- [ ] PyTest
- [ ] Postman

Last Qualification Date

Enter date...

Qualification Summary

Write something...

Test Results Report

Upload File

QA Lead Approval

Quality Assurance (SUP.1) & Process Audit

Verification of the independence of the QA function and the effectiveness of process audits in maintaining ASPICE compliance.

Audit Date

Enter date...

Audit Type

- [ ] Internal Process Audit
- [ ] Supplier Quality Audit
- [ ] Follow-up Audit

Auditor Name

Write something...

Audit Findings & Non-Conformities

Write something...

Areas Inspected

- [ ] Raw Material Storage
- [ ] Production Line
- [ ] Packaging & Labeling
- [ ] Quality Control Lab

Evidence Photos/Documents

Upload File

Auditor Approval