Testing Controls

Comprehensive Area Mapping & Control ID Logic

Understanding Control Placement & Differentiation

Document Overview

This document provides comprehensive guidance on Testing Controls mapping to Areas, explaining the control ID structure, differentiation logic, and decision-making process for control placement. It serves as the authoritative reference for understanding which control belongs to which area and why.

Control ID Numbering Logic

Pattern	Structure	Meaning	Example
PRC	Process	Indicates Process Control	PRC.TS.01
TS	Testing Standard	Testing domain controls	PRC.TS.01
XX	Sequential Number	01-21+ (sequential)	PRC.TS.01

Control Type Differentiation by Number

Number Pattern	Control Type	Authority	Purpose	Repository
ODD Numbers (01, 03, 05...)	NON-KEY Control	SDLC G&QM Team	Independent review for escalated events	SDLC G&QM SharePoint
EVEN Numbers (02, 04, 06...)	KEY Control	Project Sponsors & App/Product Owners	Formal approvals & execution	ADO / SNOW TMM

Complete Control-to-Area Mapping

AREA 1: Test Requirement Analysis

Phase: Requirements Definition | **Focus:** What needs to be tested

Control ID	Control Name	Type	Responsible Party	Key Activity
PRC.TS.01	Test Requirements Analysis Review for Escalated Events	NON-KEY	SDLC G&QM	Independent review of scope, criteria, estimates, impact
PRC.TS.02	Test Requirements Analysis	KEY	Project Sponsors & App/Product Owners	Formal approval before strategy development

Key Artifacts: Testing Scope • Acceptance Criteria • Definition of Done • Testing Estimates • Change Impact Analysis • G&QM; Review Forms (.01) • Documented Approvals (.02)

AREA 2: Test Strategy Development

Phase: Strategic Planning | **Focus:** HOW testing will be conducted

Control ID	Control Name	Type	Responsible Party	Key Activity
PRC.TS.03	Test Strategy Review for Escalated Events	NON-KEY	SDLC G&QM	Review of approach, methodology, infrastructure, automation
PRC.TS.04	Test Strategy Development	KEY	Project Sponsors & App/Product Owners	Formal approval before plan development

Key Artifacts: Test Approach • Processes & Methodology • Test Infrastructure • Data Management • Defect Management • Automation Strategy • Reporting Plan • G&QM; Review Forms (.03) • Documented Approvals (.04)

AREA 3: Test Plan Development

Phase: Detailed Planning | **Focus:** WHEN and with WHAT resources

Control ID	Control Name	Type	Responsible Party	Key Activity
PRC.TS.05	Test Plan Review for Escalated Events	NON-KEY	SDLC G&QM	Review of requirements, traceability, schedule, resources, tooling
PRC.TS.06	Test Plan Development	KEY	Project Sponsors & App/Product Owners	Formal approval before execution begins

Key Artifacts: Test Requirements (detailed) • Traceability Approach • Schedule & Effort • Testing Methodologies • Testing Domains • Technology & Tooling • Stakeholder Approvals • G&QM; Review Forms (.05) • Documented Approvals (.06)

Additional Testing Areas (4-11)

Area	Control IDs	Phase	Focus	Key Activities
4. Test Design Development	PRC.TS.07	Design & Preparation	Creating test cases and scenarios	Test case creation, scenarios, test data
5. Test Environment Configuration	PRC.TS.08-10	Environment Setup	Setting up test environments	Environment separation, configuration, exceptions
6. Minimum Testing Requirements	PRC.TS.11, 19	Compliance & Standards	Ensuring minimum standards	Standards validation, annual review
7. Test Execution and Results	PRC.TS.12-13	Execution	Running tests and documenting results	Test execution, results documentation
8. Testing Defect Remediation	PRC.TS.14-17	Issue Management	Managing and resolving defects	Defect triage, remediation, review, closure
9. Vendor Testing Evidence	PRC.TS.19	Third-Party Validation	Managing vendor testing evidence	Vendor test report validation
10. Data Protection & Security Exceptions	PRC.TS.20	Security & Compliance	Managing security exceptions	Exception requests, approvals, controls
11. Vulnerability Remediation	PRC.TS.21	Security Testing	Managing security vulnerabilities	Vuln scanning, remediation, validation

Control Placement Decision Logic

If the control is about...	Assign to Area	Control ID Range	Logic
Defining test scope, requirements, criteria	Test Requirement Analysis	PRC.TS.01-02	WHAT to test and WHY
Testing approach, methodology, tools	Test Strategy Development	PRC.TS.03-04	HOW to test (approach)
Scheduling, resources, detailed planning	Test Plan Development	PRC.TS.05-06	WHEN to test (schedule)
Creating test cases and scenarios	Test Design Development	PRC.TS.07	Test case creation
Setting up test environments	Test Environment Configuration	PRC.TS.08-10	Environment setup
Ensuring minimum standards compliance	Minimum Testing Requirements	PRC.TS.11, 19	Standards compliance
Running tests, recording results	Test Execution and Results	PRC.TS.12-13	Test execution
Fixing or reviewing defects	Testing Defect Remediation	PRC.TS.14-17	Defect management

Testing Lifecycle Flow with Controls

Phase	Controls	Flow

1. Requirements	PRC.TS.01 (Review) PRC.TS.02 (Approval)	↓
2. Strategy	PRC.TS.03 (Review) PRC.TS.04 (Approval)	↓
3. Planning	PRC.TS.05 (Review) PRC.TS.06 (Approval)	↓
4. Design	PRC.TS.07 (Design Creation)	↓
5. Environment	PRC.TS.08-10 (Setup)	↓
6. Execution	PRC.TS.11 (Standards) PRC.TS.12 (Review) PRC.TS.13 (Execution)	↓
7. Issue Management	PRC.TS.14-17 (Defect Remediation)	→ Closure

Key Concepts & Guidelines

Escalated Major Events: Events identified through risk assessment requiring G&QM; oversight

Review vs Approval: Review (Odd #) = Independent assessment with feedback • Approval (Even #) = Decision-making authority

Sequential Nature: Controls follow testing lifecycle sequence in numbering

Risk-Based Application: Not all controls apply to all projects - based on risk and impact

Repository Split: KEY controls → ADO/SNOW TMM • NON-KEY controls → G&QM; SharePoint

Document Information: Version 1.0 | Date: November 12, 2025 | Source: SDAM Testing Standards & Quality Engineering Practice Framework