# Testing Strategy Development Plan

## Overall Goal:

Finalize the Testing Strategy Document by March 31, 2025

Final Review Period: March 24–30, 2025

## Week 1: February 17–23, 2025

### Define the Core Framework (Why, What, How)

Objective: Establish the foundation of the strategy, ensuring alignment with business goals and existing projects.

#### Purpose & Value Proposition (Why):

- Why does Testing exist within the organization?

- Business impact, efficiency gains, and risk reduction.

#### Scope & Key Stakeholders (What):

- Projects, teams, and systems involved.

- Alignment with HSBC Finance Transformation.

#### Execution Approach (How - High Level):

- Overall structure: Functional, Non-functional, Automation, Governance.

#### Advisory Group Review Focus:

- Do these elements align with HSBC’s transformation initiatives?

- Are we missing key areas?

## Week 2: February 24 – March 2, 2025

### Testing Methodology & Governance

Objective: Define how testing will be conducted and governed across projects.

#### Testing Methodology:

- Agile vs. Waterfall vs. Hybrid approaches.

- BDD & TDD in the context of Testing.

- Integration with DevOps & CI/CD.

#### Governance Model:

- Who owns what?

- Roles and responsibilities (Testing team vs. Project teams).

- Decision-making framework.

#### Advisory Group Review Focus:

- Does the methodology fit within HSBC’s operational model?

- Are governance roles clear and practical?

## Week 3: March 3–9, 2025

### Test Automation & Tooling Strategy

Objective: Define the automation roadmap, ensuring scalable and maintainable testing.

#### Automation Strategy:

- What to automate (test case selection criteria).

- Levels of automation (unit, integration, regression, E2E).

#### Tooling Recommendations:

- Current tools & future roadmap.

- AI/ML in test automation.

#### Advisory Group Review Focus:

- Are automation priorities aligned with business needs?

- Are we missing any major risk areas?

## Week 4: March 10–16, 2025

### Test Environments, Data Management & Reporting

Objective: Ensure robust environments, test data strategies, and effective reporting.

#### Test Environment Strategy:

- Types of environments (UAT, Pre-prod, Prod mirror).

- Virtualization, cloud, and infrastructure needs.

#### Test Data Management:

- Synthetic vs. production data.

- Data privacy and compliance (GDPR, banking regulations).

#### Reporting & Metrics:

- KPIs for measuring test success.

- Dashboarding and stakeholder reporting.

#### Advisory Group Review Focus:

- Are we considering scalability and compliance properly?

- Are reporting mechanisms aligned with stakeholder expectations?

## Week 5: March 17–23, 2025

### Risk Management, Testing Roadmap & Final Edits

Objective: Define risk strategy, finalize structure, and prepare for final review.

#### Risk-Based Testing Approach:

- Identifying and mitigating high-risk areas.

- Risk-based prioritization of tests.

#### Testing Roadmap & Implementation Plan:

- Phases of rollout.

- Short-term vs. long-term goals.

#### Finalizing Core Sections & Addressing Feedback:

- Refinements based on advisory group reviews.

- Filling any gaps.

#### Advisory Group Review Focus:

- Do we have a practical and actionable implementation plan?

- Are there any major gaps before final review?

## Week 6: March 24–30, 2025

### Final Review & Sign-Off

Objective: Consolidate feedback, polish the document, and prepare for final submission.

#### Key Activities:

- Incorporate last-minute feedback.

- Formatting, clarity, and presentation improvements.

- Final presentation to key stakeholders.