

# Data Migration Testing Plan Document Sample

## 1. Introduction

This document outlines the testing strategy, scope, approach, and resources required for the data migration process from the Source System to the Target System.

## 2. Objectives

- Ensure completeness and accuracy of migrated data.
- Validate that data in the target system meets all specified requirements.
- Identify and resolve any data quality or transformation issues.

## 3. Scope

### In Scope

- Data extraction from source.
- Data transformation and cleansing steps.
- Data loading into target system.
- Post-migration validation and verification.

### Out of Scope

- Non-data related application functionalities.
- Performance/load testing of applications.

## 4. Testing Approach

- Requirement Analysis
- Test Planning and Design
- Data Sampling and Validation
- Execution of Test Cases
- Defect Reporting and Resolution
- Sign-off

## 5. Types of Testing

- **Unit Testing:** Test individual migration scripts or ETL processes.
- **System Testing:** Validate end-to-end data migration in an integrated environment.
- **Reconciliation Testing:** Compare record counts and values.
- **Data Quality Testing:** Check for data completeness, correctness, and consistency.
- **Regression Testing:** Ensure ongoing changes do not affect migrated data.

## 6. Roles and Responsibilities

Role	Responsibilities
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Test Manager	Overall planning, coordination, reporting
Test Analyst	Test case design, execution, defect logging
Data Analyst	Data mapping, validation, transformation
Business SME	Requirements validation, sign-off

## 7. Entry and Exit Criteria

### Entry Criteria

- Signed-off migration requirements and mapping documents.
- Availability of migration scripts and environments.

### Exit Criteria

- All critical defects resolved.
- All test cases passed or justified.
- Business sign-off obtained.

## 8. Test Deliverables

- Test Plan
- Test Cases and Results
- Defect Logs
- Reconciliation and Validation Reports
- Sign-off Document

## 9. Risks and Mitigations

Risk	Mitigation
Poor data quality in source	Data profiling and cleansing prior to migration
Insufficient test coverage	Comprehensive test case design and review

## 10. Approval

**Name:** \_\_\_\_\_

**Date:** \_\_\_\_\_