

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 |
|------|------------------|
|------|------------------|

| | |
|--------------|---|
| 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: _____