**Infosys**

**SUPPLIER SYSTEM DOCUMENTATION**

**References**

**Unit Test Plan**

***June, 2019***

**INFOSYS TECHNOLOGIES LIMITED,**

**Mysore**

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**Table of Contents**

[1 Introduction 1](#_Toc226193062)

[**1.1** **Document Purpose** 1](#_Toc226193063)

[**1.2** **Acronyms and Glossary** 1](#_Toc226193064)

[2 Functional Test Cases 3](#_Toc226193065)

[3 Boundary conditions 4](#_Toc226193066)

[4 Volume test cases 4](#_Toc226193067)

[5 Issues / Bugs 4](#_Toc226193068)

# Introduction

## **Document Purpose**

Unit testing is level of testing in which individual units of system are tested. The purpose of unit testing is to validate every single unit or component of system using some test cases. The purpose of this document is to document every single test case that we are going to perform on units to validate them.

## **Acronyms and Glossary**

A list of definitions, acronyms and abbreviations used in document, are given below.

| Term | Definition |
| --- | --- |
| RTF | Rich Text Format |
| CSV | Comma separated Values |
| CTL | Control File |
| SUP | Supplier |
| RDF | Report Definition Format |
| P2P | Procure To Pay |
| EXE | Executable |
| PRG | Concurrent Program |
| VS | Lines Value Set |
| TVS | Table Value Set |
| DD | Data Definition |
| DT | Data Template |

**Basic Setup Required for Test Cases**

Following setups are required for executing the test cases.

|  |  |
| --- | --- |
| **S. No** | **Setup Description** |
|  | Load data from SUPPLIER\_LEGACY\_FEB19\_G04.csv Legacy file into XX\_SUPPLIER\_TEMP\_04 Staging Table |
|  | After validating data push data from XX\_SUPPLIER\_TEMP\_04 Staging Table to Interface Tables AP\_SUPPLIERS\_INT, AP\_SUPPLIER\_SITES\_INT using Conversion Program SP SUPPLIERS INT 04 PRG |
|  | After validation Push data from Interface Tables AP\_SUPPLIERS\_INT, AP\_SUPPLIER\_SITES\_INT into Base Table PO\_VENDORS,PO\_VENDOR\_SITES\_ALL Using Import Program SUPPLIER OPEN INTERFACE IMPORT and Supplier Sites Open Interface Import |
|  | Creation of a Report COUNTRY\_WISE\_LIST\_OF\_SUP\_G04.rdf |
|  | Creation of Template File COUNTRY\_WISE\_LIST\_OF\_SUP\_G04\_TEMPLET.rtf using xml COUNTRY\_WISE\_XML\_LIST\_OF\_SUP\_G04\_P\_04 document generated |
|  | Creation of workflow to send notification about report creation |

# Functional Test Cases

1. VALIDATIONS FOR INTERFACE TABLE AP\_SUPPLIERS\_INT :

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| S. No | Scenario | Test Case | Action | Expected Result | Actual Result | Comments |
| 1. | VENDOR\_NAME  Validation | VENDOR\_NAME IS NULL | VENDOR\_NAME should not be NULL | Data should not be inserted into table | Data not inserted into table | Invalid |
| 2 | VENDOR\_NAME  Validation | VENDOR\_NAME IS NOT NULL | VENDOR\_NAME IS NOT NULL | Data should be successfully inserted into table | Data Successfully inserted into table | Valid |
| 3 | VENDOR\_NAME  Validation | VENDOR\_NAME =  ‘CDS, INC ’ | VENDOR\_NAME is present in PO\_VENDORS | Data should not be inserted into table | Data not inserted into table | Invalid |
| 4. | VENDOR\_NAME  Validation | VENDOR\_NAME =  DELL,FEB\_19\_LC1\_09 | VENDOR\_NAME is not present in PO\_VENDORS | Data should be successfully inserted into table | Data Successfully inserted into table | Valid |
| 5. | SHIP\_TO\_LOCATION\_ID Validation | SHIP\_TO\_LOCATION\_ID=123 | SHIP\_TO\_LOCATION\_ID is not present in HR\_LOCATIONS | Data should not be inserted into table | Data not inserted into table | Invalid |
| 6. | SHIP\_TO\_LOCATION\_ID Validation | SHIP\_TO\_LOCATION\_ID =204 | SHIP\_TO\_LOCATION\_ID is present in HR\_LOCATIONS | Data should be successfully inserted into table | Data Successfully inserted into table | Valid |
| 5 | VENDOR\_NAME  Validation | VENDOR\_NAME=  ”CD, ltd” | VERIFY\_FLAG and ERROR\_MESSAGE  Updating | VERIFY\_FLAG=”N” and ERROR\_MESSAGE=  “INVALID VENDOR NAME” | VERIFY\_FLAG=”N” and ERROR\_MESSAGE=  “INVALID VENDOR NAME” | Not Updated |
| 6 | VENDOR\_SITE\_CODE Validation | VENDOR\_SITE\_CODE=  ”PITTSBURGH” | VENDOR\_SITE\_CODE  Updating | VENDOR\_SITE\_CODE=  ”PITTSBURGH” | VENDOR\_SITE\_CODE=  ”PITTSBURGH” | Updated |
| 7 | VENDOR\_SITE\_CODE Validation | VENDOR\_SITE\_CODE=  “NYK” | VERIFY\_FLAG and ERROR\_MESSAGE  Updating | VERIFY\_FLAG=”N” and ERROR\_MESSAGE=  “INVALID VENDOR SITE CODE” | VERIFY\_FLAG=”N” and ERROR\_MESSAGE=  “INVALID VENDOR SITE CODE” | Not Updated |
| 8 | CURRENCY\_CODE Validation | CURRENCY\_CODE=  ”USD” | CURRENCY\_CODE Updating | CURRENCY\_CODE=  ”USD” | CURRENCY\_CODE=  ”USD” | Updated |
| 9 | CURRENCY\_CODE Validation | CURRENCY\_CODE=  ”MAN” | VERIFY\_FLAG and ERROR\_MESSAGE  Updating | VERIFY\_FLAG=”N” and ERROR\_MESSAGE=  “INVALID CURRENCY CODE” | VERIFY\_FLAG=”N” and ERROR\_MESSAGE=  “INVALID CURRENCY CODE | Not Updated |
| 10 | SHIP\_TO\_LOCATION\_ID and BILL\_TO\_LOACTION\_ID Validation | SHIP\_TO\_LOCATION\_ID=204 and BILL\_TO\_LOACTION\_ID=204 | SHIP\_TO\_LOCATION\_ID and BILL\_TO\_LOACTION\_ID  Updating | SHIP\_TO\_LOCATION\_ID=204 and BILL\_TO\_LOACTION\_ID=204 | SHIP\_TO\_LOCATION\_ID=204 and BILL\_TO\_LOACTION\_ID=204 | Updated |
| 11 | SHIP\_TO\_LOCATION\_ID and BILL\_TO\_LOACTION\_ID Validation | SHIP\_TO\_LOCATION\_ID=111 and BILL\_TO\_LOACTION\_ID=111 | VERIFY\_FLAG and ERROR\_MESSAGE  Updating | VERIFY\_FLAG=”N” and ERROR\_MESSAGE=  “INVALID SHIP TO / BILL TO LOCATION” | VERIFY\_FLAG=”N” and ERROR\_MESSAGE=  “INVALID SHIP TO / BILL TO LOCATION” | Not Updated |

# 

# Validation For Interface Table AP\_SUPPLIER\_SITES\_INT is As Follow:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **S. No** | **Scenario** | **Test Case** | **Action** | **Expected Result** | **Actual Result** | **Comments** |
| 1. | VENDOR\_NAME  Validation | VENDOR\_NAME =  DELL,FEB\_19\_LC1\_09 | Retrieve VENDOR\_ID if VENDOR\_NAME present in PO\_VENDORS | Data should be successfully inserted into table | Data Successfully inserted into table | Valid |
| 2. | VENDOR\_NAME  Validation | VENDOR\_NAME not present in PO\_VENDORS | VENDOR\_NAME is not present in PO\_VENDORS | Data should not be inserted into table into table | Data not inserted into table | Invalid |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 3. | VENDOR\_SITE\_CODE  Validation | VENDOR\_SITE\_CODE IS NOT NULL | VENDOR\_SITE\_CODE is present. | Data should be successfully inserted into table | Data Successfully inserted into table | Valid |
| 4. | VENDOR\_SITE\_CODE  Validation | VENDOR\_SITE\_CODE IS NULL | VENDOR\_SITE\_CODE is not present. | Data should not be inserted into table | Data not inserted into table | Invalid |
| 5. | COUNTRY  Validation | COUNTRY=’US’ | COUNTRY is present in FND\_TERRITORIES | Data should be successfully inserted into table | Data Successfully inserted into table | Valid |
| 6. | COUNTRY  Validation | COUNTRY =’ASD’ | COUNTRY is not present in FND\_TERRITORIES | Data should not be inserted into table | Data not inserted into table | Invalid |
| 7. | ORG\_ID  Validation | ORG\_ID =NULL | ORG\_ID is NULL | Data should not be inserted into table | Data not inserted into table | Invalid |
| 8. | ORG\_ID  Validation | ORG\_ID =’204’ | ORG\_ID is not NULL and organization name for this ORG\_ID IS ’VISION OPERATIONS’ IN ORG\_ORGANIZATION\_DEFINITIONS | Data should be successfully inserted into table | Data Successfully inserted into table | Valid |
| 9. | ORG\_ID  Validation | ORG\_ID =’1’ | ORG\_ID is not NULL and organization name for this ORG\_ID IS NOT ‘VISION OPERATIONS’ IN ORG\_ORGANIZATION\_DEFINITIONS | Data should not be inserted into table | Data not inserted into table | Invalid |

# Boundary conditions

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **S. No.** | **Scenario** | **Test Case** | **Action** | **Expected Result** | **Unit Test Result** | **Comments** |
| 1. | VENDOR\_NAME should not be NULL | VENDOR\_NAME=NULL | Validation of VENDOR\_NAME | Invalid | 8725622 | Invalid |
| 2. | INVOICE\_CURRENCY\_CODE can be NULL | INVOICE\_CURRENCY\_CODE=NULL | Validation of INVOICE\_CURRENCY\_CODE and PAYMENT\_CURRENCY\_CODE | Valid | 8725622 | Valid |
| 3. | PAYMENT\_CURRENCY\_CODE can be NULL | PAYMENT\_CURRENCY\_CODE =NULL | Validation of INVOICE\_CURRENCY\_CODE and PAYMENT\_CURRENCY\_CODE | Valid | 8725622 | Valid |
| 4. | START\_DATE\_ACTIVE should be less than or equal to SYSDATE | START\_DATE\_ACTIVE = ‘25-OCT-18’ | Validation of START\_DATE\_ACTIVE | Invalid | 8726679 | Invalid |
| 5. | START\_DATE\_ACTIVE should be less than or equal to SYSDATE | START\_DATE\_ACTIVE = ‘10-OCT-18’ | Validation of START\_DATE\_ACTIVE | Valid | 8726679 | Valid |
| 6. | START\_DATE\_ACTIVE should be less than or equal to SYSDATE | START\_DATE\_ACTIVE = ‘3-OCT-18’ | Validation of START\_DATE\_ACTIVE | Valid | 8726679 | Valid |
| 7. | VENDOR\_SITE\_CODE should not be NULL | VENDOR\_SITE\_CODE=NULL | Validation of VENDOR\_SITE\_CODE | Invalid | 8726679 | Invalid |

# Volume test cases

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **S. No.** | **Scenario** | **Test Case** | **Action** | **Expected Result** | **Unit Test Result** | **Comments** |
| 1. | 12 rows present in the flat file. | Control File | Load data into the staging table. | 12 rows loaded into staging table. | 8725622 | Data loaded into the staging table. |
| 2. | 12 rows present in staging table. | Conversion Program 1 | Load data into the interface table. | 5 rows loaded into the first interface table. | 8725704 | Data loaded into the first interface table. |
| 3. | 5 rows loaded into the first interface table. | Import Program 1 | Load data into the first base table. | 5 rows loaded into the first base table. |  | Data loaded into the first base table. |
| 4. | 12 rows present in staging table. | Conversion Program 2 | Load data into the second interface table. | 5 rows loaded into the second interface table. | 8726679 | Data loaded into the second interface table. |
| 5. | 5 rows loaded into the second interface table. | Import Program 2 | Load data into the second base table. | 5 rows loaded into the second base table. | 8726701 | Data loaded in the second base table. |

# Issues / Bugs

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S. No.** | **Date** | **Issue** | **Action by** | **Issue Classification** | **Resolved?** |
| 1 | 02-06-2019 | Error in running CTL Program | Syntax Error | SQL\*Loader-350: Syntax error | Resolved |