**Infosys**

**SUPPLIER SYSTEM DOCUMENTATION**

**References**

**Unit Test Plan**

***June, 2019***

**INFOSYS TECHNOLOGIES LIMITED,**

**Mysore**

|  |  |  |  |
| --- | --- | --- | --- |
| Document No. : | *GROUP NO 04 TRAINEE 1* | Version. Rev. : | 1.00 |
| Authorized by: | *VIJAY PAL* | Signature/:  Date: | 07 June 2019 |

**COPYRIGHT NOTICE**

This Quality System Documentation is the property of Infosys Technologies Limited. All ideas and information contained within these documents are the intellectual property rights of Infosys Technologies Limited. These documents are not for general distribution and are meant for use only for the person they are specifically issued to. These documents shall not be loaned to anyone, within or outside Infosys, including its customers. Copying or unauthorized distribution of these documents, in any form or means including electronic, mechanical, photocopying or otherwise is illegal.

Infosys Technologies Limited

No.350, Hebbal Electronics City,

Hootagalli, Mysore

Karnataka

Telephone: (91) (821)2404101

Website: http://www.infosys.com

Document Revision History

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Ver #** | **Date** | **Author** | **Reviewer** | **Comments** |
| 1.00 | 07-06-2019 | Vijay Pal |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

**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\_P2.csv Legacy file into XX\_SUPPLIER\_TEMP\_P2\_04 Staging Table |
|  | After validating data push data from XX\_SUPPLIER\_TEMP\_P2\_04 Staging Table to Interface Table XX\_SUPPLIERS\_INT\_P2\_G04 using Conversion Program SP\_SUPPLIERS\_INT\_P2\_G04 |
|  | After validation Push data from Interface Tables XX\_SUPPLIERS\_INT\_P2\_G04 into Base Table XX\_SUPPLIER\_BASE\_P2\_G04 Using Import Program SP\_SUPPLIER\_BASE\_P2\_G04 |
|  | Creation of workflow SPH\_G04 |

# Functional Test Cases

1. Validations for interface Table XX\_SUPPLIERS\_INT\_P2\_:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| S. No | Scenario | Test Case | Action | Expected Result | Actual Result | Comments |
| 1. | SUPPLIER\_ID  Validation | SUPPLIER\_ID  IS NULL | SUPPLIER\_ID  should not be NULL | Data should not be inserted into table | Data not inserted into table | Invalid |
| 2 | SUPPLIER\_NAME  Validation | SUPPLIER\_NAME  IS NOT NULL | SUPPLIER\_NAME  IS NOT NULL | Data should be successfully inserted into table | Data Successfully inserted into table | Valid |
| 3. | SUPPLIER\_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 |
| 4. | 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 |
| 5. | 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 |
| 6 | CITY Validation | CITY should Present in  Xx\_locations | CITY Updating | CITY NAME | VENDOR\_SITE\_CODE=  ‘BOMBAY’ | Updated |
| 7 | COUNTRY Validation | COUNTRY Should Present in XX\_COUNTRIES | VERIFY\_FLAG and ERROR\_MESSAGE  Updating | VERIFY\_FLAG=”N” and ERROR\_MESSAGE=  “INVALID COUNTRY” | VERIFY\_FLAG=”N” and ERROR\_MESSAGE=  “INVALID COUNTRY” | 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 |

# 

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **S. No** | **Scenario** | **Test Case** | **Action** | **Expected Result** | **Actual Result** | **Comments** |
| 12. | ITEM Validation | ITEM Should Present in  XX\_ITEM\_DETAILS | Retrieve ITEM | Data should be successfully inserted into table | Data Successfully inserted into table | Valid |
| 13. | CATEGORY Validation | CATEGORY Should present in XX\_ITEM\_CATEGORY\_04 | CATEGORY is not present in XX\_ITEM\_CATEGORY\_04 | Data should not be inserted into table into table | Data not inserted into table | Invalid |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 14. | UNIT PRICE  Validation | UNIT PRICE  IS NOT NULL | UNIT PRICE  is present. | Data should be successfully inserted into table | Data Successfully inserted into table | Valid |
|  | UNIT PRICE  Validation | UNIT PRICE  IS POSITIVE | VENDOR\_SITE\_CODE is not present. | 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. | SUPPLIER\_NAME should not be NULL | SUPPLIER\_NAME =NULL | Validation of SUPPLIER\_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. | UNIT PRICE 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. | 21 rows present in the flat file. | Control File | Load data into the staging table. | 12 rows loaded into staging table. | 8733238 | Data loaded into the staging table. |
| 2. | 21 rows present in staging table. | Conversion Program | Load data into the interface table. | 5 rows loaded into the first interface table. | 8733263 | Data loaded into the first interface table. |
| 3. | 14 rows loaded into the second interface table. | Import Program | Load data into the second base table. | 5 rows loaded into the second base table. | 8733938 | 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 |