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**QUALITY SYSTEM DOCUMENTATION**

**References**

**Unit Test Plan**

***June, 2019***

**INFOSYS TECHNOLOGIES LIMITED,**

**Mysore**

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# 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.

| S. No. | Term | Definition |
| --- | --- | --- |
| 1 | EBS | E-BUSINESS SUITE |
| 2 | CSV | Comma Separated Values |
| 3 | CTL | Control file |
| 4 | DD | Data Definition |
| 5 | 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\_03\_CSV.csv Legacy file into XX\_SUPPLIER\_TEMP\_03 Staging Table |
|  | After validating data push the data from XX\_SUPPLIER\_TEMP\_03 Staging Table to Interface Tables AP\_SUPPLIERS\_INT, AP\_SUPPLIER\_SITES\_INT using Conversion Program SP SUPPLIER IFACE 03 PRG, SP SUPPLIER SITE IFACE 03 PRG |
|  | After validation Push data from Interface Tables AP\_SUPPLIERS\_INT, AP\_SUPPLIER\_SITES\_INT, into Base Table PO\_VENDORS, AP\_SUPPLIERS, PO\_VENDOR\_SITES\_ALL Using Import Program SUPPLIER OPEN INTERFACE IMPORT, Supplier Sites Open Interface Import |
|  | Creation of a Report countrywise\_vendor\_details\_rep03.rdf |
|  | Creation of Template File VENDOR\_DETAIL\_03\_TEMPLATE.rtf using xml document generated |
|  | Creation of workflow to send notification about report creation |

# Functional Test Cases

Validations for interface table AP\_SUPPLIERS\_INT are as follows

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **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 |
| 2. | 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 |
| 3. | 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 |
| 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. | SHIP\_TO\_LOCATION\_ID Validation | BILL\_TO\_LOCATION\_ID =123 | BILL\_TO\_LOCATION\_ID is not present in HR\_LOCATIONS | Data should not be inserted into table | Data not inserted into table | Invalid |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 7. | SHIP\_TO\_LOCATION\_ID Validation | BILL\_TO\_LOCATION\_ID =207 | BILL\_TO\_LOCATION\_ID is present in HR\_LOCATIONS | Data should be successfully inserted into table | Data Successfully inserted into table | Valid |
| 8. | INVOICE\_CURRENCY\_CODE and PAYMENT\_CURRENCY\_CODE Validation | INVOICE\_CURRENCY\_CODE= ‘EAI’  PAYMENT\_CURRENCY\_CODE=’EAI’ | INVOICE\_CURRENCY\_CODE and PAYMENT\_CURRENCY\_CODE is not NULL and not present in FND\_CURRENCIES | Data should not be inserted into table | Data not inserted into table | Invalid |
| 9. | INVOICE\_CURRENCY\_CODE and PAYMENT\_CURRENCY\_CODE Validation | INVOICE\_CURRENCY\_CODE=’USD’  PAYMENT\_CURRENCY\_CODE=’USD’ | INVOICE\_CURRENCY\_CODE and PAYMENT\_CURRENCY\_CODE is not NULL and present in FND\_CURRENCIES | Data should be successfully inserted into table | Data Successfully inserted into table | Valid |
| 10. | INVOICE\_CURRENCY\_CODE and PAYMENT\_CURRENCY\_CODE Validation | INVOICE\_CURRENCY\_CODE IS NULL  PAYMENT\_CURRENCY\_CODE IS NULL | INVOICE\_CURRENCY\_CODE is NULL and PAYMENT\_CURRENCY\_CODE is NULL | Data should be successfully inserted into table | Data Successfully inserted into table | Valid |
| 11 | INVOICE\_CURRENCY\_CODE and PAYMENT\_CURRENCY\_CODE Validation | INVOICE\_CURRENCY\_CODE=’USD’  PAYMENT\_CURRENCY\_CODE IS NULL | INVOICE\_CURRENCY\_CODE is not NULL and present in FND\_CURRENCIES  PAYMENT\_CURRENCY\_CODE is NULL | Data should be successfully inserted into table | Data Successfully inserted into table | Valid |
| 12. | START\_DATE\_ACTIVE  Validation | START\_DATE\_ACTIVE is LESS THAN OR EQUAL TO SYSDATE | To check if START\_DATE\_ACTIVE is LESS THAN OR EQUAL TO SYSDATE | Data should be successfully inserted into table | Data Successfully inserted into table | Valid |
| 13. | START\_DATE\_ACTIVE  Validation | START\_DATE\_ACTIVE is GREATER  THAN SYSDATE | To check if START\_DATE\_ACTIVE is GREATER  THAN SYSDATE | Data should not be inserted into table | Data not inserted into table | Invalid |

Validations for interface table AP\_SUPPLIER\_SITES\_INT are as follows:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **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

# 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. | 8725143 | 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. | 8725741 | 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. | 8726701 | 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. | 04-jun-19 | Column not allowed here | One extra column ROWID was being added into the insert statement of conversion program  +++++ | Compile Time error | Yes, removed the extra column from the insert statement |