**B3 Program Data Profiling Report**

**Vendor Master**

|  |  |  |  |
| --- | --- | --- | --- |
| **Document Information** |  |  |  |
| **Document Name** | Vendor Master Profiling Report | | |
| **Document Author** | Kaushik Roy | | |
| **Document Version** | 1.0 | | |
| **Document Status** | Draft | | |
| **Date Released** | 22.06.2013 | | |
| **Reviewed By** |  | | |
| **Approved By** |  | | |
| **Approval Date** |  | | |
| **Approver Signature** |  | | |

# Contents

[Contents 3](#_Toc360639770)

[1. Introduction 5](#_Toc360639771)

[2. Executive Summary 5](#_Toc360639772)

[2.1 Data Profiling Scope 5](#_Toc360639773)

[2.2 Summary of findings 5](#_Toc360639774)

[3. Data Insight 9](#_Toc360639775)

[3.2.1 Vendor Account Group Determination Logic 9](#_Toc360639776)

[3.2.2 Vendor Account Group Analysis 10](#_Toc360639777)

[3.2.5 Vendor Account Group Relationships 11](#_Toc360639778)

[4. Entity Relationship Analysis 13](#_Toc360639779)

[5. Detailed Data Profiling Findings 14](#_Toc360639780)

[5.1 Vendor Name Analysis 14](#_Toc360639781)

[5.2 Probable Duplicate Vendors 15](#_Toc360639782)

[5.3 Direct 16](#_Toc360639783)

[5.4 Indirect 18](#_Toc360639784)

[5.5 Ordering Address 20](#_Toc360639785)

[5.6 Remit Vendor 22](#_Toc360639786)

[5.7 Inter-company 24](#_Toc360639787)

[5.8 Employee 25](#_Toc360639788)

[5.9 One-Time 27](#_Toc360639789)

[5.10 Contingent Work Force 28](#_Toc360639790)

[5.11 Cust/Disti 29](#_Toc360639791)

[5.12 Manufacturers Rep 31](#_Toc360639792)

[5.13 Invoicing Party 33](#_Toc360639793)

[6 Appendix 34](#_Toc360639794)

[6.1 Data Profiling Requirements 34](#_Toc360639795)

[6.1.1 Data Mapping sheet 34](#_Toc360639796)

[6.1.2 X-Reference Source Data 35](#_Toc360639797)

[6.1.3 Data Extracts used for Profiling 35](#_Toc360639798)

**1.0 Document Change History**

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Created / Modified By** | **Brief Description of Change** | **Doc version** |
| 21.06.2013 | Kaushik Roy | Initial Draft | 1.0 |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

# Introduction

The purpose of this document is to report the findings of the data profiling activity performed on Vendor master data. This document provides detailed information along with statistics at the table level and column level thus helping us establish the SAP compatibility of Vendor Master data.

This document is intended to project the data anomalies and issues that need to be addressed in order for clean and usable data to be pushed to SAP ECC.

# Executive Summary

## 2.1 Data Profiling Scope

Broadcom Vendor reside in one legacy system as of today, namely, **Peoplesoft**.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Data category | **Source system** | **Volume** | **Included in profiling scope** | **Comments** |
| Vendor Master | PeopleSoft | 7512 |  | Only active vendors considered in Profiling |

## 2.2 Summary of findings

The activity of data profiling included the following steps in chronological order:

1. Identify the core set of legacy tables based on knowledge of legacy SME and IT contacts listed by Business Analysts
2. Mapping of the critical SAP columns to legacy columns, and vice versa with the help of functional team and business analysts
3. Conduct [*Data Insight Analysis*](#_Data_Insight) based on legacy info., [*Entity Relationship Analysis*](#_Entity_Relationship_Analysis) based on legacy table relationships and provide Detailed Data Profiling findings that help determine the SAP compatibility of data

The findings can be categorized as Critical and Non-Critical and here’s how we define them:

1. **Critical**: Any error that
   1. Prevents data from being created in SAP during conversion,
   2. Affects the scope of the conversion
   3. Leads to duplication of data.

This type of error will adversely affect the business processes in SAP

**Non-Critical**: Any error that leads to incomplete information being passed to any entity in SAP. This type of error *may* adversely affect the business processes in SAP. This requires further analysis and may be qualified as critical based on the extent to which business is affected

There were **169** data profiling findings for different Vendor Account Groups(Candidates, Contingent Work Force, Cust/Disti, Direct, Employee, Indirect, Inter-company, Invoicing Party, Manufacturers rep, Ordering Address and Remit Vendor), with **123** of them leading to Critical errors.

The charts below summarize the number of critical and non-critical errors for all the account groups.

Please note that the numbers above signify count of errors and not count by vendors. The details and data dumps for the above is provided in [*Section 5: Detailed Data Profiling Findings*](#_Detailed_Data_Profiling)

# Data Insight

Based on our understanding of the legacy system, i.e. PeopleSoft, the Vendor Master data can be divided and analyzed based on Vendor Account Groups.

This section of the document details the different findings we observed in the legacy systems.Any findings and data dump from this section will be listed in the Detailed Data Profiling Findings i.e. section 5.

### 3.2.1 Vendor Account Group Determination Logic

The final account groups for all vendors have been finalized based upon the logic mentioned in the attachment.

Attachment:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **VENDOR\_CLASS** | **SHORT\_DESCR** | **LONG\_DESCR** | **SAP Account Group** | **Comments** |
| 4 | PROD-ENG | Production-Engineering | Direct |  |
| 7 | PROD-CHIP | Production-Chip |  |
| C | PROD-BOARD | Production-Board |  |
| M | LAB | Lab Supplies |  |
| P | TESTEQUIP | Test Equipment |  |
| 3 | M&A | M&A | Indirect |  |
| 6 | FACILITIES | Facilities |  |
| 8 | FINANCE | Finance |  |
| 9 | UTILITIES | Utilities |  |
| A | LEGAL | Legal |  |
| B | REALESTATE | Real Estate |  |
| F | FREIGHT | Freight/Relocation |  |
| G | GOVERNMENT | Government Agency |  |
| H | HR | Human Resources |  |
| L | LICENSING | Licensing |  |
| O | MARKETING | Marketing |  |
| T | TRAV&ENTMT | Travel & Entertainment |  |
| U | EDA | EDA Software |  |
| V | ITEQUIP | IT Equipment |  |
| Y | SOFTWARE | Software |  |
| Z | TELECOM | Telecom |  |
| I | CANDIDATES | Candidates | One Time |  |
| 2 | CONTWKR | Contingent Work Force | Contingent Work Force |  |
| S | CUSTDIST | Cust/Disti | Cust/Disti |  |
| E | EMPLOYEE | Employee | Employee |  |
| 1 | INTERCOMPY | Inter-company | Inter-company |  |
| R | MFGREP | Manufacturers Rep | Manufacturers Rep |  |
| None | None | None | Remit Vendor | where REMIT\_ADDR\_SEQ\_NUM != 1 |
| None | None | None | Ordering Address | where ADDR\_SEQ\_NUM\_ORDR != 1 |
| None | None | None | Invoicing Party | where PRIM\_ADDR\_SEQ\_NUM != 1 |

### 3.2.2 Vendor Account Group Analysis

The below diagram and chart shows the analysis for Vendor account groups.

The table shows the details of all the distinct account groups and the corresponding record counts, considering on ly active vendors and addresses.

The diagram depicts a visual representation of the same.

|  |  |
| --- | --- |
| **Account Group** | **Count** |
| Indirect | 5793 |
| Direct | 2347 |
| Inter-company | 1056 |
| Remit Vendor | 885 |
| Contingent Work Force | 327 |
| Invoicing Party | 303 |
| Cust/Disti | 206 |
| Ordering Address | 157 |
| Candidates | 58 |
| Manufacturers Rep | 35 |
| Employee | 20 |

**Vendor Account Groups**

### 3.2.5 Vendor Account Group Relationships

The following findings have been identified while performing the analysis of the source data for Vendors and how they shall be mapped to the target to-be SAP ECC system.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **SAP Account Groups** | **Total Vendor Count** | **Vendor Relations** | **Ordering address** | **Invoicing party** |
| **Candidates** | 58 | Vendors do not have Invoicing Party or Ordering Address. | 0 | 0 |
| **Contingent Work Force** | 39 | Vendors have one or multiple Invoicing Party and/or Ordering Addres.  Separate Invoicing Party and/or Ordering Address vendors are created and assigned to the parent vendor group. | 6 | 39 |
| 229 | Vendors do not have Invoicing Party or Ordering Address. | 0 | 0 |
| **Cust/Disti** | 6 | Vendors have one or multiple Invoicing Party and/or Ordering Addres.  Separate Invoicing Party and/or Ordering Address vendors are created and assigned to the parent vendor group. | 0 | 6 |
| 184 | Vendors do not have Invoicing Party or Ordering Address. | 0 | 0 |
| **Direct** | 325 | Vendors have one or multiple Invoicing Party and/or Ordering Addres.  Separate Invoicing Party and/or Ordering Address vendors are created and assigned to the parent vendor group. | 52 | 319 |
| 1629 | Vendors do not have Invoicing Party or Ordering Address. | 0 | 0 |
| **Employee** | 20 | Vendors do not have Invoicing Party or Ordering Address. | 0 | 0 |
| **Indirect** | 522 | Vendors have one or multiple Invoicing Party and/or Ordering Addres.  Separate Invoicing Party and/or Ordering Address vendors are created and assigned to the parent vendor group. | 99 | 517 |
| 4392 | Vendors do not have Invoicing Party or Ordering Address. | 0 | 0 |
| **Inter-company** | 1056 | Vendors do not have Invoicing Party or Ordering Address. | 0 | 0 |
| **Manufacturers Rep** | 4 | Vendors have one or multiple Invoicing Party and/or Ordering Addres.  Separate Invoicing Party and/or Ordering Address vendors are created and assigned to the parent vendor group. | 0 | 4 |
| 25 | Vendors do not have Invoicing Party or Ordering Address. | 0 | 0 |

# Entity Relationship Analysis

This analysis helps us validate the various joins and counts from each join. This is helpful in determining the effect of various attributes on the volume of data to be converted.

The flow diagram provides us insight into the various tables that are involved, and the way each table is joined to another table.Please note that only active Vendors have been taken into account i.e. VENDOR\_STATUS = ‘A’.

Inner Join

9582

PS\_VENDOR\_ADDR

**11010**

PS\_VENDOR

**8489**

12253

10533

Inner Join

PS\_BRC\_VNDR\_VAP

8497

**23518**

9564

Inner Join

PS\_VNDR\_VAT\_RGSTRN

**3011**

3254

PS\_VENDOR\_CNTCT

**26794**

Inner Join

Inner Join

Inner Join

4494

4818

369

PS\_VENDOR\_WTHD\_JUR

3665

PS\_VNDR\_BANK\_ACCT

3960

PS\_VNDR\_IBANK\_ACCT

333

Inner Join

Inner Join

26049

4818

PS\_VENDOR\_WTHD

3960

PS\_VENDOR\_PAY

21193

Inner Join

Inner Join

PS\_VENDOR\_LOC

8987

# Detailed Data Profiling Findings

This analysis helps us to understand issues for each field in the table and provide recommendations and appropriate actions. The column level analysis also provides guidance to understand business rules, patterns associated with each attribute of master data.

The data profiling reports at column level will be reviewed by Business and IT SMEs which will help to understand the data standards, rules, cleansing and enrichment requirements in multiple cycles. These requirements will drive the data conversion strategy.

The analysis has been done and classified as per the different account groups.

## 5.1 Vendor Name Analysis

Vendor name analysis had been done based upon the data received for the table PS\_VENDOR and upon the field NAME1 upon satisfying the condition that the Vendor is active i.e. VENDOR\_STATUS = ‘A’. Additionally, vendors have been grouped on SETID and name duplicates have been identified pertaining to each SETID.

These names can be checked for duplicates if found applicable and also near matches can be picked up for further analysis and standardization.

|  |  |
| --- | --- |
| **Scenario** | **Count** |
| **Matching** | 2531 |

Attachment:



## 5.2 Probable Duplicate Vendors

Vendor address analysis had been done based upon the data received for the table PS\_VENDOR, PS\_VENDOR\_ADDR and PSXLATITEM upon satisfying the condition that the Vendor is active

i.e. VENDOR\_STATUS = ‘A and EFF\_STATUS = ‘A’. Additionally, addresses have been compared for Vendors belonging to the same SETID and account group.

These addresses can be checked for duplicates if found applicable and also near matches can be picked up for further analysis and standardization.

|  |  |
| --- | --- |
| **Scenario** | **Count** |
| **Matching** | 2700 |

Attachment:



## 5.3 Direct

The charts and the table below show the summary and details respectively for the errors at column level for Direct Vendors. Only those records have been considered for which the status of the Vendor is ACTIVE.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Issue # | **Critical/**  **Non-Critical** | **Description** | **#Failures** | **Field** | **Record Dump** |
| 1 | Critical | Contingent Work Force has field values “SAMPLES”. | 1 | VENDOR\_ID |  |
| 2 | Critical | Direct Vendors have field values "MEXICO", "GENERA", "ESPANA", "Israel", "NETHERLANDS", "JAPAN", "TAMILNADU", "Germany" and "USA". | 13 | CITY |  |
| 3 | Critical | Direct Vendors have blank field values. | 128 | CITY |  |
| 4 | Critical | Direct Vendors have blank field values. | 117 | POSTAL |  |
| 5 | Critical | Direct Vendors have field values "0" and "00000" | 2 | POSTAL |  |
| 6 | Critical | Direct Vendors have blank field values. | 1649 | BUSINESS\_UNIT |  |
| 7 | Critical | Direct Vendors have field values "Billing", "Billing Contact" and "Blank". | 3 | CONTACT\_NAME |  |
| 8 | Critical | Direct Vendors have blank field values. | 46 | CONTACT\_NAME |  |
| 9 | Critical | Direct Vendors have blank field values. | 905 | CURRENCY\_CD |  |
| 10 | Critical | Direct Vendors have blank field values. | 2125 | PYMNT\_METHOD |  |
| 11 | Critical | Direct Vendors has field values "CORP", "FOREIGN" and “FOREGN”. Is this valid ? | 335 | TIN |  |
| 12 | Critical | Direct Vendors have blank field values. | 883 | BNK\_ID\_NBR |  |
| 13 | Critical | Direct Vendors have blank field values. | 2099 | BRANCH\_ID |  |
| 14 | Critical | Direct Vendors have blank field values. | 1017 | BANK\_ACCT\_TYPE |  |
| 15 | Critical | Direct Vendors have blank field values. | 841 | BANK\_ACCOUNT\_NUM |  |
| 16 | Non-Critical | Direct Vendor has field value “FER@wexoe.dk )” | 1 | EMAILID |  |
| 17 | Non-Critical | Direct Vendors have blank field values. | 1935 | CUST\_ID |  |
| 18 | Non-Critical | Direct Vendors have blank field values. | 396 | VAT\_RGSTRN\_ID |  |
| 19 | Non-Critical | Direct Vendors have blank field values. | 583 | EMAILID |  |
| 20 | Non-Critical | Direct Vendors have blank field values. | 162 | TIN |  |

## Indirect

The charts and the table below show the summary and details respectively for the errors at column level for Indirect Vendors. Only those records have been considered for which the status of the Vendor is ACTIVE.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Issue # | **Critical/**  **Non-Critical** | **Description** | **#Failures** | **Field** | **Record Dump** |
| 1 | Critical | Indirect Vendors have field values "MEXICO", "TOWN & COUNTRY", "CHINO", "HONG KONG", "BELGIE", "TOYYO", "KARNATAKA", "FRANCE", "Belgium", "Sweden", "CHINA", "JAPAN", "ULSOOR", "HYERABAD", "CHIINA", "PRADESH", "AUSTRALIA", "INDIA" and "HARYANA" | 64 | CITY |  |
| 2 | Critical | Indirect Vendors have blank field values. | 343 | CITY |  |
| 3 | Critical | Indirect Vendors have field values “0”, “0000” AND “000000”. | 8 | POSTAL |  |
| 4 | Critical | Indirect Vendors have blank field values. | 376 | POSTAL |  |
| 5 | Critical | Indirect Vendors have blank field values. | 4444 | BUSINESS\_UNIT |  |
| 6 | Critical | Indirect Vendors have field values "SALES", "SALES DEPARTMENT", "AP", "AR", "100 SOUTH MURPHY AVE #2", "SALES OPERATIONS MANAGER", "Sales Administration", "151156", "Back Office", "Sales Ledger", "Sales / Customer service", "Sale", "Blank", "Sales & Accounts", "Sales Rep", "Sales Manager", "001MAIN - Brussels", "001MAIN - Bristol", "AI", "SALES TEAM", "SALES ACCOUNT MANAGER", “001MAIN - Bristol” and “001MAIN - Brussels”. | 121 | CONTACT\_NAME |  |
| 7 | Critical | Indirect Vendors have blank field values. | 420 | CONTACT\_NAME |  |
| 8 | Critical | Indirect Vendors have blank field values. | 1972 | CURRENCY\_CD |  |
| 9 | Critical | Indirect Vendors have blank field values. | 4441 | PYMNT\_METHOD |  |
| 10 | Critical | Indirect Vendors has field values "CORP", "FOREIGN" and “GOV'T AGCY”. Is this valid ? | 383 | TIN |  |
| 11 | Critical | Indirect Vendors have blank field values. | 2578 | BNK\_ID\_NBR |  |
| 12 | Critical | Indirect Vendor have field values “1” and “111111111111”. | 2 | BNK\_ID\_NBR |  |
| 13 | Critical | Indirect Vendors have blank field values. | 5255 | BRANCH\_ID |  |
| 14 | Critical | Indirect Vendors have blank field values. | 2822 | BANK\_ACCT\_TYPE |  |
| 15 | Critical | Indirect Vendors have blank field values. | 2458 | BANK\_ACCOUNT\_NUM |  |
| 16 | Non-Critical | Indirect Vendors have blank field values. | 807 | TIN |  |
| 17 | Non-Critical | Indirect Vendors have blank field values. | 4879 | CUST\_ID |  |
| 18 | Non-Critical | Indirect Vendors have blank field values. | 2105 | EMAILID |  |
| 19 | Non-Critical | Indirect Vendors have blank field values. | 1323 | VAT\_RGSTRN\_ID |  |

## Ordering Address

The charts and the table below show the summary and details respectively for the errors at column level for Ordering Address vendors. Only those records have been considered for which the status of the Vendor is ACTIVE.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Issue # | **Critical/**  **Non-Critical** | **Description** | **#Failures** | **Field** | **Record Dump** |
| 1 | Non-Critical | Ordering Address Vendors have blank field values. | 28 | EMAILID |  |
| 2 | Critical | Ordering Address Vendors have field values "CENTRAL" and “Israel” | 2 | CITY |  |
| 3 | Critical | Ordering Address Vendors have blank field values. | 9 | CITY |  |
| 4 | Critical | Ordering Address Vendors have blank field values. | 4 | POSTAL |  |
| 5 | Non-Critical | Ordering Address Vendors have blank field values. | 157 | CUST\_ID |  |
| 6 | Critical | Ordering Address Vendors have blank field values. | 115 | BUSINESS\_UNIT |  |
| 7 | Non-Critical | Ordering Address Vendors have blank field values. | 13 | VAT\_RGSTRN\_ID |  |
| 8 | Critical | Ordering Address Vendors have field values "ACCOUNTS RECEIVABLE", "CUSTOMER SERVICE", "Accounts", "Customer Services", "Sales", "Credit card payment", "Purchase Order", "Purchase Orders", "Credit Card", "Sales - France" and "Customer Invoicing Services (BEL)". | 27 | CONTACT\_NAME |  |
| 9 | Critical | Ordering Address Vendors have blank field values. | 11 | CONTACT\_NAME |  |
| 11 | Critical | Ordering Address Vendors have blank field values. | 254 | PYMNT\_METHOD |  |
| 12 | Critical | Ordering Address Vendors has field values "CORP", "FOREIGN". Is this valid ? | 8 | TIN |  |
| 13 | Non-Critical | Ordering Address Vendors have blank field values. | 28 | TIN |  |
| 14 | Critical | Ordering Address Vendors have blank field values. | 72 | BNK\_ID\_NBR |  |
| 15 | Critical | Ordering Address Vendors have blank field values. | 288 | BRANCH\_ID |  |
| 16 | Critical | Ordering Address Vendors have blank field values. | 56 | BANK\_ACCT\_TYPE |  |
| 17 | Critical | Ordering Address Vendors have blank field values. | 52 | BANK\_ACCOUNT\_NUM |  |
| 18 | Critical | Ordering Address Vendors have field valueS “00000000” and “111111111111”. Is this correct | 4 | BANK\_ACCOUNT\_NUM |  |

## Remit Vendor

The charts and the table below show the summary and details respectively for the errors at column level for Remit Vendors. Only those records have been considered for which the status of the Vendor is ACTIVE.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Issue # | **Critical/**  **Non-Critical** | **Description** | **#Failures** | **Field** | **Record Dump** |
| 1 | Non-Critical | Remit Vendors have blank field values. | 380 | EMAILID |  |
| 2 | Critical | Remit Vendors have field values "TAIWAN"and “Israel” | 3 | CITY |  |
| 3 | Critical | Remit Vendors have blank field values. | 20 | CITY |  |
| 4 | Critical | Remit Vendors have blank field values. | 10 | POSTAL |  |
| 5 | Non-Critical | Remit Vendors have blank field values. | 880 | CUST\_ID |  |
| 6 | Critical | Remit Vendors have blank field values. | 486 | BUSINESS\_UNIT |  |
| 7 | Non-Critical | Remit Vendors have blank field values. | 20 | VAT\_RGSTRN\_ID |  |
| 8 | Critical | Remit Vendors have field values "Apple", "ACCOUNTS RECEIVABLE", "TALEO BILLING", "BILLING DEPT", "AR", "AP", "BILLING", "ACCOUNTS DEPARTMENT", "CUSTOMER SERVICE", "ACCOUNTING", "ACCOUNTS RECEIVABLE GROUP", "FINANCE DEPT", "CUSTOMER ORDERS", "TAIWAN", "BILLINGS", "eOrders", "ENTERPRISE ORDERS", "Billing Contact", "INV. 1514-", "CREDIT MANAGER", "Accounts", "Customer Services", "Credit card payment", "Finance", "Credit Card" and "ENQUIRIES ON BILLS". | 58 | CONTACT\_NAME |  |
| 9 | Critical | Remit Vendors have blank field values. | 143 | CONTACT\_NAME |  |
| 11 | Critical | Remit Vendors have blank field values. | 1961 | PYMNT\_METHOD |  |
| 12 | Critical | Remit Vendors has field values "CORP", "FOREIGN" and “GOV'T AGCY”. Is this valid ? | 163 | TIN |  |
| 13 | Non-Critical | Remit Vendors have blank field values. | 29 | TIN |  |
| 14 | Critical | Remit Vendors have blank field values. | 437 | BNK\_ID\_NBR |  |
| 15 | Critical | Remit Vendors have blank field values. | 1073 | BRANCH\_ID |  |
| 16 | Critical | Remit Vendors have blank field values. | 425 | BANK\_ACCT\_TYPE |  |
| 17 | Critical | Remit Vendors have blank field values. | 417 | BANK\_ACCOUNT\_NUM |  |
| 18 | Critical | Remit Vendors has field value “00000000” and “111111111111”. Is this correct | 4 | BANK\_ACCOUNT\_NUM |  |

## Inter-company

The charts and the table below show the summary and details respectively for the errors at column level for Inter-company Vendors. Only those records have been considered for which the status of the Vendor is ACTIVE.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Issue # | **Critical/**  **Non-Critical** | **Description** | **#Failures** | **Field** | **Record Dump** |
| 1 | Non-Critical | Inter-company Vendors have blank field values. | 630 | EMAILID |  |
| 2 | Critical | Inter-company Vendors have blank field values. | 104 | CITY |  |
| 3 | Critical | Inter-company Vendors have blank field values. | 123 | POSTAL |  |
| 4 | Non-Critical | Inter-company Vendors have blank field values. | 1056 | CUST\_ID |  |
| 5 | Critical | Inter-company Vendors have blank field values. | 1056 | BUSINESS\_UNIT |  |
| 6 | Non-Critical | Inter-company Vendors have blank field values. | 5 | VAT\_RGSTRN\_ID |  |
| 8 | Critical | Inter-company Vendors have blank field values. | 178 | PYMNT\_METHOD |  |
| 9 | Critical | Inter-company Vendors have blank field values. | 596 | BNK\_ID\_NBR |  |
| 10 | Critical | Inter-company Vendors have blank field values. | 1090 | BRANCH\_ID |  |
| 11 | Critical | Inter-company Vendors have blank field values. | 612 | BANK\_ACCT\_TYPE |  |
| 12 | Critical | Inter-company Vendors have blank field values. | 596 | BANK\_ACCOUNT\_NUM |  |

## Employee

The charts and the table below show the summary and details respectively for the errors at column level for Employee Vendors. Only those records have been considered for which the status of the Vendor is ACTIVE.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Issue # | **Critical/**  **Non-Critical** | **Description** | **#Failures** | **Field** | **Record Dump** |
| 1 | Non-Critical | Employee Vendors have blank field values. | 14 | EMAILID |  |
| 2 | Critical | Employee Vendors have blank field values. | 1 | CITY |  |
| 3 | Critical | Employee Vendors have blank field values. | 2 | POSTAL |  |
| 4 | Non-Critical | Employee Vendors have blank field values. | 20 | CUST\_ID |  |
| 5 | Critical | Employee Vendors have blank field values. | 20 | BUSINESS\_UNIT |  |
| 6 | Non-Critical | Employee Vendors have blank field values. | 2 | VAT\_RGSTRN\_ID |  |
| 8 | Critical | Employee Vendors have blank field values. | 11 | PYMNT\_METHOD |  |
| 9 | Critical | Employee Vendors have blank field values. | 12 | BNK\_ID\_NBR |  |
| 10 | Critical | Employee Vendors have blank field values. | 20 | BRANCH\_ID |  |
| 11 | Critical | Employee Vendors have blank field values. | 17 | BANK\_ACCT\_TYPE |  |
| 12 | Critical | Employee Vendors have blank field values. | 11 | BANK\_ACCOUNT\_NUM |  |
| 13 | Critical | Employee Vendors has field value “111111111111”. Is this correct | 6 | BANK\_ACCOUNT\_NUM |  |

## One-Time

The charts and the table below show the summary and details respectively for the errors at column level for Candidate Vendors. Only those records have been considered for which the status of the Vendor is ACTIVE.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Issue # | **Critical/**  **Non-Critical** | **Description** | **#Failures** | **Field** | **Record Dump** |
| 1 | Non-Critical | One-Time Vendors have blank field values. | 53 | EMAILID |  |
| 2 | Critical | One-Time Vendors has field values 'KARNATAKA'. | 1 | CITY |  |
| 3 | Critical | One-Time Vendors have blank field values. | 3 | CITY |  |
| 4 | Critical | One-Time Vendors have blank field values. | 3 | POSTAL |  |
| 5 | Non-Critical | One-Time Vendors have blank field values. | 58 | CUST\_ID |  |
| 6 | Critical | One-Time Vendors have blank field values. | 58 | BUSINESS\_UNIT |  |
| 8 | Critical | One-Time Vendors have blank field values. | 55 | PYMNT\_METHOD |  |
| 9 | Critical | One-Time Vendors have blank field values. | 56 | BNK\_ID\_NBR |  |
| 10 | Critical | One-Time Vendors have blank field values. | 55 | BRANCH\_ID |  |
| 11 | Critical | One-Time Vendors have blank field values. | 57 | BANK\_ACCT\_TYPE |  |
| 12 | Critical | One-Time Vendors have blank field values. | 56 | BANK\_ACCOUNT\_NUM |  |

## Contingent Work Force

The charts and the table below show the summary and details respectively for the errors at column level for Contingent Work Force Vendors. Only those records have been considered for which the status of the Vendor is ACTIVE.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Issue # | **Critical/**  **Non-Critical** | **Description** | **#Failures** | **Field** | **Record Dump** |
| 1 | Non-Critical | Contingent Work Force Vendors have blank field values. | 72 | EMAILID |  |
| 2 | Critical | Contingent Work Force Vendors has field values "HONG KONG", "UNITED KINGDOM", "HARYANA" | 3 | CITY |  |
| 3 | Critical | Contingent Work Force Vendors have blank field values. | 6 | CITY |  |
| 4 | Critical | Contingent Work Force Vendors have blank field values. | 6 | POSTAL |  |
| 5 | Non-Critical | Contingent Work Force Vendors have blank field values. | 265 | CUST\_ID |  |
| 6 | Critical | Contingent Work Force Vendors have blank field values. | 252 | BUSINESS\_UNIT |  |
| 7 | Non-Critical | Contingent Work Force Vendors have blank field values. | 20 | VAT\_RGSTRN\_ID |  |
| 8 | Critical | Contingent Work Force Vendors have blank field values. | 8 | CONTACT\_NAME |  |
| 10 | Critical | Contingent Work Force Vendors have blank field values. | 333 | PYMNT\_METHOD |  |
| 11 | Critical | Contingent Work Force Vendors has field values "CORP", "FOREIGN". Is this valid ? | 38 | TIN |  |
| 12 | Non-Critical | Contingent Work Force Vendors have blank field values. | 59 | TIN |  |
| 13 | Critical | Contingent Work Force Vendors have blank field values. | 66 | BNK\_ID\_NBR |  |
| 14 | Critical | Contingent Work Force Vendors have blank field values. | 287 | BRANCH\_ID |  |
| 15 | Critical | Contingent Work Force Vendors have blank field values. | 70 | BANK\_ACCT\_TYPE |  |
| 16 | Critical | Contingent Work Force Vendors have blank field values. | 63 | BANK\_ACCOUNT\_NUM |  |

## Cust/Disti

The charts and the table below show the summary and details respectively for the errors at column level for Cust/Disti Vendors. Only those records have been considered for which the status of the Vendor is ACTIVE.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Issue # | **Critical/**  **Non-Critical** | **Description** | **#Failures** | **Field** | **Record Dump** |
| 1 | Non-Critical | Cust/Disti Vendors have blank field values. | 113 | EMAILID |  |
| 2 | Critical | Cust/Disti Vendors have field values “hugo@sfe.com.hk]”, “ari@pikok.co.il]”. | 2 | EMAILID |  |
| 3 | Critical | Cust/Disti Vendors have field values "USA" | 1 | CITY |  |
| 4 | Critical | Cust/Disti Vendors have blank field values. | 36 | CITY |  |
| 5 | Critical | Cust/Disti Vendors have blank field values. | 51 | POSTAL |  |
| 6 | Non-Critical | Cust/Disti Vendors have blank field values. | 175 | CUST\_ID |  |
| 7 | Critical | Cust/Disti Vendors have blank field values. | 182 | BUSINESS\_UNIT |  |
| 8 | Non-Critical | Cust/Disti Vendors have blank field values. | 35 | VAT\_RGSTRN\_ID |  |
| 9 | Critical | Cust/Disti Vendors have field values “Blank”, “ACCOUNT RECEIVABLE”, “ACCOUNTS RECEIVABLES”. | 3 | CONTACT\_NAME |  |
| 10 | Critical | Cust/Disti Vendors have blank field values. | 14 | CONTACT\_NAME |  |
| 12 | Critical | Cust/Disti Vendors have blank field values. | 65 | PYMNT\_METHOD |  |
| 13 | Critical | Cust/Disti Vendors has field values "CORP", "FOREIGN". Is this valid ? | 16 | TIN |  |
| 14 | Non-Critical | Cust/Disti Vendors have blank field values. | 1 | TIN |  |
| 15 | Critical | Cust/Disti Vendors have blank field values. | 142 | BNK\_ID\_NBR |  |
| 16 | Critical | Cust/Disti Vendors have blank field values. | 191 | BRANCH\_ID |  |
| 17 | Critical | Cust/Disti Vendors have blank field values. | 165 | BANK\_ACCT\_TYPE |  |
| 18 | Critical | Cust/Disti Vendors have blank field values. | 142 | BANK\_ACCOUNT\_NUM |  |
| 19 | Critical | Cust/Disti Vendors has field value “”. Is this correct | 20 | BANK\_ACCOUNT\_NUM |  |

## Manufacturers Rep

The charts and the table below show the summary and details respectively for the errors at column level for Manufacturers rep vendors. Only those records have been considered for which the status of the Vendor is ACTIVE.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Issue # | **Critical/**  **Non-Critical** | **Description** | **#Failures** | **Field** | **Record Dump** |
| 1 | Non-Critical | Manufacturers Rep Vendors have blank field values. | 11 | EMAILID |  |
| 2 | Critical | Manufacturers Rep Vendors have blank field values. | 1 | CITY |  |
| 3 | Critical | Manufacturers Rep Vendors have blank field values. | 4 | POSTAL |  |
| 4 | Non-Critical | Manufacturers Rep Vendors have blank field values. | 29 | CUST\_ID |  |
| 5 | Critical | Manufacturers Rep Vendors have blank field values. | 20 | BUSINESS\_UNIT |  |
| 6 | Non-Critical | Manufacturers Rep Vendors have blank field values. | 5 | VAT\_RGSTRN\_ID |  |
| 7 | Critical | Manufacturers Rep Vendors have blank field values. | 9 | CONTACT\_NAME |  |
| 9 | Critical | Manufacturers Rep Vendors have blank field values. | 33 | PYMNT\_METHOD |  |
| 10 | Critical | Manufacturers Rep Vendors has field values "CORP", "FOREIGN". Is this valid ? | 3 | TIN |  |
| 11 | Critical | Manufacturers Rep Vendors have blank field values. | 16 | BNK\_ID\_NBR |  |
| 12 | Critical | Manufacturers Rep Vendors have blank field values. | 30 | BRANCH\_ID |  |
| 13 | Critical | Manufacturers Rep Vendors have blank field values. | 19 | BANK\_ACCT\_TYPE |  |
| 14 | Critical | Manufacturers Rep Vendors have blank field values. | 16 | BANK\_ACCOUNT\_NUM |  |
| 15 | Critical | Manufacturers Rep Vendors has field value “111111111111”. Is this correct | 2 | BANK\_ACCOUNT\_NUM |  |

## Invoicing Party

The charts and the table below show the summary and details respectively for the errors at column level for Invoicing party Vendors. Only those records have been considered for which the status of the Vendor is ACTIVE.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Issue # | **Critical/**  **Non-Critical** | **Description** | **#Failures** | **Field** | **Record Dump** |
| 1 | Non-Critical | Invoicing Party Vendors have blank field values. | 1 | EMAILID |  |
| 2 | Critical | Invoicing Party Vendors have field value “Israel” | 1 | CITY |  |
| 3 | Critical | Invoicing Party Vendors have blank field values. | 2 | CITY |  |
| 4 | Critical | Invoicing Party Vendors have blank field values. | 2 | POSTAL |  |
| 5 | Non-Critical | Invoicing Party Vendors have blank field values. | 23 | CUST\_ID |  |
| 6 | Critical | Invoicing Party Vendors have blank field values. | 19 | BUSINESS\_UNIT |  |
| 7 | Non-Critical | Invoicing Party Vendors have blank field values. | 1 | VAT\_RGSTRN\_ID |  |
| 8 | Critical | Invoicing Party Vendors have field value "Sales”. | 1 | CONTACT\_NAME |  |
| 9 | Critical | Invoicing Party Vendors have blank field values. | 2 | CONTACT\_NAME |  |
| 10 | Critical | Invoicing Party Vendors have blank field values. | 9 | PYMNT\_METHOD |  |
| 11 | Critical | Invoicing Party Vendors has field value "FOREIGN". Is this valid ? | 1 | TIN |  |
| 12 | Non-Critical | Invoicing Party Vendors have blank field values. | 22 | TIN |  |
| 13 | Critical | Invoicing Party Vendors have blank field values. | 4 | BNK\_ID\_NBR |  |
| 14 | Critical | Invoicing Party Vendors have blank field values. | 23 | BRANCH\_ID |  |
| 15 | Critical | Invoicing Party Vendors have blank field values. | 4 | BANK\_ACCT\_TYPE |  |
| 16 | Critical | Invoicing Party Vendors have blank field values. | 4 | BANK\_ACCOUNT\_NUM |  |

# Appendix

## Data Profiling Requirements

### 6.1.1 Data Mapping sheet

Attached are the master data definition sheet and the data sheet for Vendor master. These were used as the reference for assessing the quality of data received from respective source systems.



### X-Reference Source Data

Attached is the set of distinct values and their counts for all columns from the source for which X-Reference mappings need to be created for loading the data into the target to-be SAP ECC system.



### Data Extracts used for Profiling

The entire data of Vendors is coming from from **PeopleSoft**, below are the system details

|  |  |
| --- | --- |
| **Legacy Source Info** | Peoplesoft |
| **Source Data for Data Analysis** | Production Copy |
| **Coverage** | Complete Data as of 9-Jun-2013 |
| **Sensitive/Non-sensitive** | Non-Sensitive |

The tables that are being accessed for this purpose are :-

PS\_VENDOR, PSXLATITEM, PS\_BRC\_VNDR\_SUBCLS, PS\_BRC\_VNDR\_VAP, PS\_VENDOR\_ID\_NBRS, PS\_VNDR\_VAT\_RGSTRN, PS\_VENDOR\_ADDR, PS\_VENDOR\_LOC, PS\_VENDOR\_CNTCT, PS\_VENDOR\_WTHD, PS\_VENDOR\_WTHD\_JUR, PS\_VNDR\_BANK\_ACCT and PS\_VNDR\_IBANK\_ACCT

However, the data for this activity was provided via data files. Here are the details of the files and the subsequent volumes:

|  |  |
| --- | --- |
| **Source file** | **Number of Records** |
| Vendor Basic Data | 8489 |
| Vendor Class | 28 |
| Vendor Sub Class | 157 |
| Vendor Options | 8497 |
| Vendor Vat Registration | 3011 |
| Vendor Address | 10879 |
| Vendor Contacts | 26794 |
| Vendor Location | 8987 |
| Vendor Pay | 21193 |
| Vendor Witholding Header | 3960 |
| Vendor Witholding Jurisdiction | 3665 |
| Vendor Bank | 9092 |
| Vendor IBank | 333 |