OUM

RA.160 Data Source Gap Matrix

<Company Long Name>

<Subject>

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# Document Control

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# Introduction

1. Introduce the document with a short paragraph about the content.

In this task, you verify that the data required to support the MoSCoW List (RD.045) and the Software Requirement Specification (RD.140), and data elements identified in the Domain Model (RD.065), are available from the identified source systems with the required characteristics (that is, availability, timeliness, granularity, quality).

## Definition

This document identifies the gaps in <Company Short Name>’s Data Source Systems to support the solution. It also attempts to define possible options and alternatives wherever possible to support the business requirements.

## Purpose

The purpose of this document is to provide high-level information on the data source gaps and their characteristics like uniqueness, availability, granularity, quality, etc.

## Practical Application

This document would help the project team in understanding the gaps present in the source systems to meet the data requirements for those elements identified in the business data model. The characteristics of gaps identified in this deliverable and possible data sourcing options would provide key inputs to the Data Acquisition and Conversion team.

## Scope

1. Be sure to review this section carefully as the scope of a document or task is the most likely to change on a specific customer site. Make certain that the scope accurately reflects any and all areas that this task and deliverable cover as well as any areas that may have been taken out of scope for this project.

This document addresses the following areas of …

This document includes the following topics to support the Data Source Gap Matrix.

* Target Warehouse Entities
* Data Source Gap Matrix

## Related Documents

The following documents are related to this work product:

| Document | Relationship |
| --- | --- |
| CV.010 Data Acquisition and Conversion Requirements | Recommended sources of data to address the high level business requirements |
| RD.065 Domain Model | Data Requirements regardless of availability |

# Target System Entities

This section lists all the entities of the target system of <Company Short Name> as described in the document RD.065 Domain Model.

| Seq.No | Entity Name | Entity Type |
| --- | --- | --- |
| 1 | <Account> | <Dimension> |
| 2 | <Sales> | <Fact> |
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# Data Gap Analysis

This section shows the data source matrix for each major attribute of the entities of the target system. This matrix is the result of a gap analysis of the data source systems.

## Gaps Defined

The gap analysis component identifies the variance between the entities identified in the warehouse data model and the ability of the data sources and the architectural environment to support those requirements.

When comparing the source systems to the warehouse model, discrepancies in following areas are looked into:

* Data content
* Data accuracy
* Data format
* Data relationships
* Granularity
* Availability

In order to be able to uniquely identify a gap, following classifications of gap is used in this deliverable.

| Gap Type | Gap Type Definition | Comments |
| --- | --- | --- |
| Type 0 | No Gap. Data source of required granularity and quality for the target data element is available. |  |
| Type 1 | Data source of required granularity and quality for the target data element is available in more than one source and relationships between sources cannot be clearly defined. |  |
| Type 2 | Data Source for a target element is not directly available. But it can be derived by a formula or calculation. |  |
| Type 3 | Data source for a target element is available. But it is not of required granularity, format, accuracy or not available due to some constraints. |  |
| Type 4 | Data Source for a target element is not present in the source systems and hence cannot be obtained. |  |
| Xxx | Xxx |  |

# Data Source Gap Matrix

The following table lists all the target warehouse entities, their major attributes and the data source elements for them and the ‘Gap Type’ as described in the earlier section. It also describes the gaps identified, impact of the gap on a data warehouse solution, and an initial high level recommended solution for the <short term, long term as applicable>.

| Target Entity | Target Attribute | Data Source System | Source System Entity | Source System Attribute | Gap Type | Gap Description | Severity of Gap | Resolution | Complexity of Resolution |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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# Open and Closed Issues

1. Add open issues that you identify while writing or reviewing this document to the open issues section. As you resolve issues, move them to the closed issues section and keep the issue ID the same. Include an explanation of the resolution.  
     
   When this work product is complete, any open issues should be transferred to the project- or process-level Issue Log (Manage focus area) and managed using a project level Issue Form (Manage focus area). In addition, the open items should remain in the open issues section of this work product, but flagged in the resolution column as being transferred.

## Open Issues

| ID | Issue | Resolution | Responsibility | Target Date | Impact Date |
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## Closed Issues

| ID | Issue | Resolution | Responsibility | Target Date | Impact Date |
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