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**Technical Design Document**

**Record of Release**

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# Introduction

* This document contains technical design of Data management - SmartForms

1. The introduction of the **Requirements Specification** provides an overview of the entire document. It includes the purpose, scope, definitions, acronyms, abbreviations, references, and overview of the document.
2. The **Requirments Specification** captures the complete software requirements for the system, or a portion of the system. Following is a typical outline for a project **using use case modeling**. This artifact consists of a package containing use cases of the use case model and applicable Supplemental Specifications and other supporting information.
3. This subsection describes what the rest of the **Requirements Specification** contains and explains how the document is organized.

## Purpose

The purpose of this document is to explain the technical design and overview of SmartForms implementation for the Data management.

Its main purpose is to –

* Provide the link between the functional specification and the detailed technical design documents
* Detailed functionality provided by each component or group of components and show how the various components interact in the design
* Provide a basis for SmartForms detailed design and development
* This document is not intended to address installation and configuration details of the actual implementation. Installation and configuration details are provided in technology guides produced during project

As is true with any high-level design, this document will be updated and refined based on changing requirements.

## Scope

<List the high level scope in bullet points>

## Document Reference

| Author | Document Name | URL | Comments | |
| --- | --- | --- | --- | --- |
|  |  |  |  | |
|  |  |  | |  |
|  |  |  | |  |

## Glossary

|  |  |
| --- | --- |
| **Term** | **Definition** |
| BPEL | Business Process Execution Language |
| EBS | Enterprise Business Service |
| EBO | Enterprise Business Object |
| EBM | Enterprise Business Message |
| MEP | Message Exchange Pattern |
| ABM | Application Business Message |

# Technical Overview

## Participating Applications

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sl. # | Application(Name of the application) | Type(If Source/Target System) | Interfacing Methodology(Protocol/Message Type to be used to integrate) | Remarks |
|  |  |  |  |  |

## Architecture Overview Diagram (AOD)

<Diagram>

Goals of this design:

<Define goals in bullet list format>

## Design Assumptions

<List all assumptions in bulleted items>

## Design Constraints

<List all constraints in bulleted items>

## Performance Considerations

<List performance considerations in bulleted items>

## Integration Infrastructure Versions

<Details about the integration infrastructure>

| Product | Version | Operating System | Database |
| --- | --- | --- | --- |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

# Integration Solution Flow

## Integration Process Flow Diagram

Flow chart depicting involvement of all composites to meet this business requirement.

<Insert Process Flow Diagram>

List the names of the composites and its purpose.

|  |  |
| --- | --- |
| Composite Name | Purpose |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

## {flow\_name} Integration Flows

<Repeat this block for each composite item listed in above table>

### Composite Description

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Description | <Description of the functionality of the composite in bullet points here> | | | |
| List of Components | **Component Name** | | **Component Type** | |
|  | |  | |
| List Of Exposed Services |  | | | |
| External References (Partner Links) | **Partner Link Name** | **Description** | | **WSDL** |
|  |  | |  |
|  |  | |  |

### Service Details

|  |  |
| --- | --- |
| Service Name |  |
| Service Implementation |  |
| Service MEP |  |
| Description |  |
| Input Message |  |
| Response Message |  |
| Protocol |  |

### Component Details

|  |  |
| --- | --- |
| Service Name |  |
| Service Implementation |  |
| Service MEP |  |
| Description |  |
| Input Message |  |
| Response Message |  |
| Protocol |  |

### Reference Details

#### <Name of the reference>

<This block to be repeated for each reference used in the composite>

|  |  |
| --- | --- |
| Service Name |  |
| Service Implementation |  |
| Service MEP |  |
| Description |  |
| Input Message |  |
| Response Message |  |
| Protocol |  |

### Adapters

#### <Name of the Adapter>

<This block to be repeated for each adapter used in the composite>

|  |  |
| --- | --- |
| Adapter |  |
| Type |  |
| Adapter Properties |  |
| SOA JNDI |  |
| Input Schema/WSDL |  |
| Properties |  |

### Common Services

<List of common services used in the composites in bullets>

|  |  |  |
| --- | --- | --- |
| Sr. No | Common Service Name | Purpose |
|  |  |  |
|  |  |  |
|  |  |  |

### DVMs

### Cross References

### Error Handling

# 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 (PJM) and managed using a project level Issue Form (PJM). 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

| **Number** | **Description** | **Date Raised** | **Priority** | **Owner** | **Action** | **Target Date** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |
| **1.** |  |  |  |  |  |  |
|  |  | | | | | |
| **2.** |  |  |  |  |  |  |
|  |  | | | | | |
| **3.** |  |  |  |  |  |  |

**Priority:**  H= High; M=Medium, L=Low

## Closed Issues

| **Number** | **Description** | **Date Raised** | **Priority** | **Owner** | **Resolution** | **Date Closed** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |

**Priority**: H= High; M=Medium, L=Low