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| In-House Development Team |
| Effort Estimate Inputs Template |

**Application Name:** BRMS **Version Number:**

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**SER #: 00500**

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1. **Overview**

The purpose of this document is to describe proposed application architecture with detailed application boundaries, data structures and data communications for the SER being implemented. This will enable the SER owners to accurately estimate effort and effectively communicate with application stakeholders.

1. **Process**

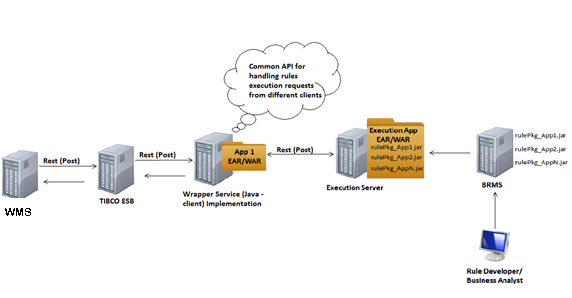
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The application being implemented / changed must be described using the following sections:

* **Application Boundaries:**

Provide a detailed application boundaries diagram here clearly outlining the applications interaction with internal data sources (for e.g. databases, files), external systems (for e.g. TIBCO, FCR, ODS). Please remember that for changes to an existing application, only show the systems participating / getting impacted and not the overall system architecture.

**Sample:**



* **Application Internal Data design: (Not applicable for BO reports)**

In this section provide details of the various distinct data entities (database tables, files) specific and internal to the application which the application will maintain (insert, update, delete). Do not include static data which is not maintained by application. For example all the static tables should not be included here.

**Format:**

In the format Record Type count refers to the records having multiple entries for same type for example if Customer Address is the entity and for each address we have say 3 records for Home Address, Office Address and Permanent address then mention it as 3.

|  |  |  |  |
| --- | --- | --- | --- |
| **Entity / Table Name** | **# Columns** | **# Complex Columns (Clob, xml etc.)** | **Record Type Count** |
| WBS\_ECB\_EXCLUSION\_REQ | 13 | 0 |  |
| WBS\_ECB\_EXCLUSION\_RES | 3 | 0 |  |
| WBS\_ECB\_JOINT\_CUSTOMER\_REQ | 8 | 0 |  |
| WBS\_ECB\_JOINT\_CUSTOMER\_RES | 3 | 0 |  |
| WBS\_ECB\_CUSTOMER\_ELG\_ST\_REQ | 7 | 0 |  |
| WBS\_ECB\_CUSTOMER\_ELG\_ST\_RES | 3 | 0 |  |
| WBS\_ECB\_CUSTOMER\_ELG\_REQ | 4 | 0 |  |
| WBS\_ECB\_CUSTOMER\_ELG\_RES | 3 | 0 |  |

* **Application External Data References:**

In this section provide details of the various distinct **external** data entities (database tables, files) which the application will reference from **external** systems only and not maintain (insert, update, delete), however only reference data that is not used by application to update internal data, calculation of internal data etc. should be mentioned. For example if application calls a TIBCO service to display some information we can mention it here, all SMS database references should be captured here etc.

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| --- | --- | --- | --- |
| **Entity / Table Name** | **# Columns** | **# Complex Columns (Clob, xml etc.)** | **Record Type Count** |
|  |  |  |  |
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* **Application User Inputs: (Not applicable for BO Reports)**

In this section mention details of all user inputs (textboxes, dropdown boxes, check boxes, buttons etc.) that result in update to the internal data. If an external system reference is made for update to application that should also be mentioned in # Entities impacted. Here Entities impacted refers to No. of tables, files that a specific user input updates. For example for a text box it generally be 1 table 1 column so 1 # Tables impacted but a button could result in many tables and columns getting impacted so count of all tables impacted should be counted and mentioned.

|  |  |  |  |
| --- | --- | --- | --- |
| **Screen Name** | **# inputs** | **# Tables Impacted** | **# Columns Impacted** |
| ECB EXCLUSION | 13 | 2 |  |
| ECB JOINT CUSTOMER | 8 | 2 |  |
| ECB CUSTOMER ELIGIBILITY STATUS | 7 | 2 |  |
| ECB CUSTOMER ELIGIBILITY | 4 | 2 |  |

* **Application Output: (Not applicable for BODI/ETL)**

In this section mention details of all application outputs (application output fields like data grid, list boxes, text boxes, report columns etc.) to the user or to other external systems in terms of tables and columns being used or sent to external system. For user outputs include only tables and columns that are computed i.e. some calculation is performed on them before being presented to the user.

|  |  |  |  |
| --- | --- | --- | --- |
| **Screen Name** | **# outputs** | **# Tables Impacted** | **# Columns Impacted** |
| ECB EXCLUSION | 3 | 1 |  |
| ECB JOINT CUSTOMER | 3 | 1 |  |
| ECB CUSTOMER ELIGIBILITY STATUS | 3 | 1 |  |
| ECB CUSTOMER ELIGIBILITY | 3 | 1 |  |
| REQUEST RESPONSE LOGGING | 5 | 1 |  |
|  |  |  |  |

* **Application Enquiries: (Not applicable for BODI/ETL)**

In this section mention details of all application enquires (application output fields like data grid, list boxes, text boxes, report columns etc.) to the user for which no data manipulation is done. For example a search option or a filter option on a screen which simply fetches data and shows on the screen.

|  |  |  |  |
| --- | --- | --- | --- |
| **Screen Name** | **# enquires** | **# Tables Impacted** | **# Columns Impacted** |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

* **Existing / Historical Data Load: (Applicable for BODI/ETL only if data loaded manually and not through job itself)**

In this section mention details of all tables and columns that need to be loaded in to the application from backend.

|  |  |
| --- | --- |
| **# Tables** | **# Columns** |
|  |  |
|  |  |
|  |  |

* **General System Characteristics:**

In this section fill in the table below based on the application architecture and complexity:

|  |  |
| --- | --- |
| **System Charecterstic** | **Value** |
| No of communication protocols used (Http, tcp, soap etc.) | 3 |
| Does application have distributed transactions? | N |
| Does application have Maker / Checker / Other profiles? | NA (Not applicable for BO and ETL) |
| How much percentage of data is entered through UI? | NA (Not applicable for BO and ETL) |
| How many complex UI elements are there – Menus, tree views, 3rd party grids, special Ajax controls) | NA (Not applicable for BO and ETL) |
| Does application involves complex mathematical processing? | N |
| Does the application have ability to re process data if an exception takes place? | Y |
| Additional documentation required (Technical specs, design etc.)? | Y |