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**Product Reliability Engineering**

**System Understanding Document**

**Application: <<Application Name>>**

Version 1.0

**APPROVALS**

The initial version of the document has been prepared by <<person’s name1>> and <<person’s name2>> based on the knowledge acquired during the knowledge transfer sessions. The document has been reviewed and approved by the subject matter expert, BU Owner and TII Manager (approvals and signatures are below).

Date

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**DOCUMENT CONTROL**

| Version Number | Approved Date | Author | Reviewer | Approver for Change | Description for Change |
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1. PURPOSE

1.1. Oms print helps in gathering pages, creating mockups or helps in mocking up, assigning edition subscribers

1.2. Helps to preview the magazine before the actual printing.

1. SCOPE

2.1 Component collection

* Define geographic/demographic scope for the components

2.2 Issue planning

2.3 Other copy collection (OCC)

2.4 Categories/rules/messages

* + - Define categories
    - Manage messages
    - Manage rules

2.5 Distribution

2.6 Data management

2.7 Reports and Interfaces

* + - Job Launch

1. Activities of the team

<<List the activities that are in scope for the team>>

1. TARGET Audience

<< Mention who the target audience would be for this document>>

1. KEY terms explained

<<Key terms should be explained upfront in the document>>

* **<<Term>>:** xxxxxxx
* **<<Term>>:** xxxxxxx
* **<<Term>>:** xxxxxxx

1. business overview

<<Introduction to this section>>

* 1. Business Users

<<Provide details about the users>>

* Business User Group/Department:
* Location:
* External Clients:
  1. Business Process

<<Provide a description of the busienss process that the application supports>>

<<Attach the business process flow diagram>>

* 1. Business Criticality

<<Provide the business criticality of this appplication>>

* 1. Application Functionality

Following are the major functionalities supported by the application:

Component Collection:

Component collection provides a central place to track and update information about ads, edits and circ and consolidated information from multiple sources.

There are two types of component collection

1. Run-of-Block:

ROB has two components Edit Component and Ad component. Material can be attached to each Ad component.

1. Non-Run of Block:

A unit printed prior to magazine printing, often supplied by an outside source or printed by magazine itself that will be bound or incorporated with magazine

For e.g.: DVD’s and pamphlet

For NROB print type could be “supplied” or “we print”( printed by magazine itself)

Editorial Component:

Editorial Components are the actual stories, articles or features that appear in a magazine.

For example, a regional version of a magazine may contain localized stories that are more

relevant to one reader versus another based on where they are located. (Visual of an

article with the title “Great Weekend Drives”.) This can also occur with demographic

stories (Visual of an article “What to do with your Millions”) targeted in this example to

Subscribers that were marked as Upper Income on the master file..

Editorial component screen has few category selection section there are divided into 3 types

a.Single b.Multi c.Type

Ad Component:

Advertising Components are the pages in the magazine sold to outside companies that

promote their products. Advertisers select a particular magazine or issue due to the

demographics and magnitude of the subscriber base matching their desired reach.

Categories/rules/message:

Categories basically define a group,which has something in common (ie having same attributes),this helps in restricting the ad components to be restricted to the certain categories,here we can add n number of categories in Category Group Detail

* **C**ategories/rules/messages:Categories has two type of the properties
  + - * Attributes
      * Valid Values

These are added to theDefinition pane, OMS will default have AND/OR statements.

1. When AND combines elements it means the customer qualifies only if BOTH Attributes are true.

2. When OR combines elements it means that the customer qualifies if ANY statement is true.

* xxxx
  1. Use Case Scenarios

Following are the use case scenarios

* Use Case 1:
* Use Case 2:
* Use Case 3:

1. application overview

<<Provide the following details:>>

* Software name:
* Build type: COTS, In-house, etc.
* Vendor:
* Current version:
* Year of installation:
* Release history:

1. Application architecture
   1. End-to-end Architecture

<<Provide the architecture overview showing the application interactions with surrounding systems>>

* 1. System Architecture

<<Provide the system architecture and list/describe various components of the application programs, jobs, screens, reports, databases, middleware, etc.>>

* 1. Application Platform

<<Provide details about the application platform/technology>>

* 1. Design Documents (HLD / LLD)

<<Attach Design Documents (HLD/LLD) in this section>>

* 1. Interfaces

<<Provide details about the interfaces to other systems:>>

* Interfacing system name
* Interfacing system type i.e. 3rd party systems, other departments, TCS system, etc.
* Data exchanged,
* Purpose
* Data frequency and volume
* Interface type i.e. synchronous/asynchronous Data architecture

1. Data Architecture Overview

<<Provide the list of key data entities, attributes, etc.>>

* 1. Data Flow Diagrams

<<Provide Data Flow Diagrams in this section >>

* 1. Database List

<<Provide Database List in this section including key Databases >>

1. technical environment
   1. Technical Environment Overview

<<Provide server (application, database, web, etc.) details and locations for Production, QA and Development environments>>

* 1. Error & Exception Handling

<<Provide the list of error message and exception handling details in this section>>

1. appendix
   1. Documents for Reference

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| # | Name | Description | Document |
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