**Confidential**





**Software Requirement Specification**

**DWF Portal**

**PMO-533**

**Version 1.2**

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**Document Information and Revision History**

**Revision History**

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# Introduction

Irancell vision is “to lead the delivery of a bold, new, digital world to our customer” and based on this vision Irancell wants to provide a service, to be a reference in Interconnect reconciliation with other telecom operators. In this regard, according to a monthly routine, Finance is providing CDR details, separated by provinces, operators, MVNO, etc. as evidence that attached with monthly invoices.

# Overview

Based on Irancell finance team requirement, Parstasmim technical team will develop application to report CDR detail to Irancell finance team systematically and facilitate and accurate this manual job.

This report and relate documents will be generated and delivered by scheduled process to Irancell finance team.

The way of generating report by this tools is based on defined rule by Irancell finance team.

According to importance of information and reports generated by this tools, this tools has facility to manage chain of responsibility.

# Scope

The scope of this SRS can breaks down into following hierarchy:

1. Business functionality
   1. End to end business processes
   2. End to End technical processes
2. Technical functionality
   1. Software architecture and components definition
      1. Application functionalities

## Business functionalities

Following diagram shows end to end processes flow to deliver final service result to MTNIrancell finance team. Gray items show out of project scope and others items are project scope.

### End to End business processes



### End to End technical processes



## Technical functionalities

### Software architecture and components definition



#### Application functionalities

DWF analyzer portal function and features are listed as following categories:

* *DWF Report rule management*
* *DWF Report management*
* *Dashboards & Report*

#### Roles and ACLs

The users of DWF analyzer Portal may have one of below roles:

* **Agent:** This role will use to:
  + Define DWF report rule
  + Edit DWF report rule template
  + Clone DWF report rule
  + Create DWF report definition
  + Schedule approved report
  + Run approved report
  + View report history result
* **Supervisor:** This role will use to:
  + Define DWF report rule
  + Edit DWF report rule template
  + Clone DWF report rule
  + Delete DWF report rule
  + Approve DWF report rule
  + Create DWF report definition
  + Approve report definition
  + Schedule approved report
  + Run approved report
  + Approve summary of DWF report
  + Delete DWF report definition
  + Approve re-run DWF report
  + Viewing reports and dashboard

#### DWF Report Rule Management

In this section application users can Create/Update/Export/Delete/Approve DWF report rules.

###### Creation

Agent/Supervisor can create report rule definition for a month which wants to extract the DWF report via below interfaces:

1. Create new rule definition via Application interface
2. Import from excel file and upload as new rule definition
3. Make clone from existing rule and save as new rule

###### Update

Agent/Supervisor can update existing report rule definition which is not linked to any delivered DWF report via below interfaces:

1. Via application interface
2. Import from excel file and upload it on existing rule definition

###### Export

Agent/Supervisor can get export report rule definition into the excel file.

###### Delete

Supervisor can delete existing report rule definition which is not linked to any delivered DWF report.

###### Approve/Reject

Supervisor can approve or reject report rule definition, if the report rule definition is approved so it can be linked to DWF report.

#### DWF Report Management

In this section application users can Create/Update/Export/Delete/Approve DWF report definition and also run/re-run the approved report definition.

###### Creation

Agent/Supervisor can create report definition for a month and link approved rule which wants to extract the DWF report via below interfaces:

1. Create new report definition via Application interface and link approved rule.
2. Import from excel file and upload as new report definition and link approved rule.
3. Make clone from existing report definition and save as new month report definition.

###### Update

Agent/Supervisor can update existing report definition which is not approved or run via below interfaces:

1. Via application interface
2. Import from excel file and upload it on existing rule definition

###### Export

Agent/Supervisor can get export report definition into the excel file.

###### Delete

Supervisor can delete existing report definition which is not approved or run.

###### Approve

Supervisor can approve to run or re-run report definition.

###### Run/Re-run

1. Agent/Supervisor can define schedule for running/re-running approved report definition.
2. Supervisor can view the summary of ran report and approve or reject it, if summary is approved then system will create full dump report in csv file format and upload on agreed structured directory on file server or ftp server.
3. Supervisor can approve to re-run a specific DWF report if needed

#### Report/Dashboard

**Daily Dashboard:**

Below Dashboard will be available in the portal for Supervisor:

* Date and time of run reports
* Re-run reports
* Reject/Approved/Pending reports

**Reports**:

Below Report will be available in the portal for application users:

* Date time run
* User who scheduled the reporting
* Users whose approved reporting steps (Approve rule definitions and approve run)
* Summary of reporting result
* Storage paths where the exported documents to be stored.

**Note: All of report can be exported in excel file.**

## Hardware Requirement

The hardware requirements have been listed in below items:

1. RAM: 64 GB
2. CPU: 8 cores
3. Filesystem storage: 3 TB
4. ASM storage: 5 TB