SAP Implementation

Functional Specification

CIAL_FS_HCM _Arrear Statement Report

Prepared by

TATA CONSULTANCY SERVICES

ABBREVATIONS

ABBREVATION	DESCRIPTION
CIAL	Cochin International Airport Ltd.

DOCUMENT REFERENCES

DOCUMENT	DOCUMENT NAME

CHANGE HISTORY

AUTHOR	CREATION DATE	VERSION	STATUS	CHANGES
Rajini Narayanan.K	12.02.2014	1.0		
AMENDED BY	DATE	VERSION	STATUS	

DISTRIBUTION

COMPANY	NAME	ROLE	ACTION	INFO
CIAL			X	
TCS			X	

REVIEW

COMPANY	NAME	DATE	SIGNATURE
CIAL			

SIGNOFF

COMPANY	NAME	DESIGNATION	SIGNATURE
CIAL			

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1. OBJECTIVE

The functional specification allows the developer to understand the development requirements from a functional point of view and provides all necessary functional details to enable the programmer to develop the technical solution.

The content and level of detail of the following sections strongly depends on the type and complexity of the technical solution to be developed.

To create a custom Report to provide the details of Arrear Amount for a Particular Month.

This chapter discusses the scope of development, scope exclusions if any and assumptions made by TCS with respect to implementation.

1.1 Assumptions

To create a custom Report to provide the details of Arrear Amount for a Particular Month

1.2 Exclusions

NA

2. DEVELOPMENT DETAILS

2.1 Program Details

FS Description	Arrear Statement Report		
Object Owner		**Date raised**	12/02/2014
Complexity	Medium	**Expected date**	/ /
SAP Module	HCM	**Dev. object type**	Report
SAP Std modified	☐	**Oss note**	
New Program	☐	**Copy from**	☐
Sap Existing Name		**Existing T. code**	
Type of Program	☒ **Foreground**	☐ **Background**	
(The *section* below will be completed by the Technical team)			
New Name		**Transaction code**	

3. REPORTS

To create a custom Report to provide the details of Arrear Amount for a Particular Month.

3.1 Input

3.1.1 Selection Parameters

Table 1: Selection Parameters for Reports

Field Text	SAP Table Field Reference	Selection Screen Type (SO/PA/RB /CB)	Default Values	Mandatory
Payroll Period		SO		Yes
Personnel Number		SO		
Employment Status		SO		
Personnel Area		SO		
Personnel Sub Area		SO		
Employee group		SO		
Employee subgroup		SO		
Payroll Area		SO		

3.2 Processing Logic Overview

This report should provide the Details of Arrear Amount for a particular month

In the selection criteria, if the selected Period (PNP BEGDA and PNP ENDDA) is Current period as per the Payroll Area then

Salary Due :

Pass the PNPPEGDA and PNPENDDA to the table T549Q and pick the PABRJ and PABRP to get the current Period.

From the Cluster Table, Check the FAPER (For Period) and IPERI (In Period) is same with the Current Period and do not pick the Current Period Value.

But Check the Period having IPERI is same as Current Period but Different FOR PERIOD - FAPER Pick all the Period and check SRTZA = 'A'

And Pass all the Wagetype for 'Salary Due 'mentioned in the Excel sheet with respect to the month

Salary Drawn:

Pass the PNPPEGDA and PNPENDDA to the table T549Q and pick the PABRJ and PABRP to get the current Period.

From the Cluster Table, Check the FAPER (For Period) and IPERI (In Period) is same with the Current Period and do not pick the Current Period Value.

But Check the Period having IPERI is same as Current Period and pick all the Different FOR PERIOD - FAPER

For Each FOR PERIOD – FAPER, Pick the Period where the field SRTZA is not equal to 'A' but Equal to 'P' if not then check for 'O'

And Pass all the Wagetype for 'Salary Drawn 'mentioned in the Excel sheet with respect to the month

3.3   Output

3.3.1 Report Output Fields

Table 2: Report Output Fields

Format for Arrear
Statement.xls

Field description	SAP Table-field name

3.3.2 Report Layout

Table 3: Report Layout

Report Layout (this should be an inserted file as an ICON that contains the output display of the program — e.g. excel sheet format)	

Table 4: Report Details

	Type of Printer (Reports)		
Printing Requirements (mandatory for programs that produces a hard copy)	☐ Dot Matrix ☒ Laser /Desk Jet/Zebra		
	Type of Paper Printout (Reports)		
	☐ Pre-printed form ☒ Regular Paper (as designed in the layout)		
	Paper Design (only for Reports)		
	Size of Paper	A4	
	Orientation	☐ Portrait ☒ Landscape	
	Logo	☐ To be added	
Report Layout (this should be an inserted file as an ICON that contains the output display of the program - e.g. excel sheet format)			

3.4 Constraints

NA

4. FORMS

> *Note: This section should be filled out for each relevant component.*
> *This section may be marked N/A if it is not relevant.*

4.1   Input

NA

4.1.1 Selection Parameters

NA

Table 5: Selection Parameters for Forms

Field Text	SAP Table Field Reference	Sel. Type (SO/PA/RB/CB)	Def Value	Mandatory	Comments <If any>

4.2   Processing Logic Overview

NA

4.3   Form Layout

> *Note: This section should be filled out for each relevant component.*
> *This section may be marked N/A if it is not relevant.*

Output format (Form Layout) as mentioned below.

Table 6: Form Details

Printing Requirements (mandatory for programs that produces a hard copy)	Type of Printer (Forms)	
	☐ Dot Matrix ☐ Laser /Desk Jet/Zebra	
	Type of Paper Printout (Forms)	
	☐ Pre-printed form ☐ Regular Paper (as designed in the layout)	
	Paper Design (only for Forms)	
	Size of Paper	A4

	Orientation	☐ Portrait ☐ Landscape
	Logo	☐ To be added
Form Layout **(this should be an inserted file as an ICON that contains the output display of the program – e.g. excel sheet format)**		

5. CONVERSIONS

This section should be completed for data conversions and loads (e.g., legacy master and transactional data to R3, and to describe the load)

5.1 Data System/Data Flow Diagram

Prepare a Visio or Power Point diagram illustrating the data flow from source systems to the target system.

List any additional items needed to describe adequately the data to be converted.

5.2 Type of Data to be Converted

State what type of data (Master Data or Transactional Data) is to be converted, if applicable.

<Insert text>

5.3 Logical Data Element Mapping

Complete Logical Data Mapping by using the template provided in Documentum.

Attach the completed logical data map for each of the systems and their respective elements to this Functional Specification document in Documentum.

The logical data map should be a system label to system label map as opposed to Table-Field information.

Once mapping is done, state under this heading that the mapping is complete.

<Insert text>

5.4 Historical Data

Historical data is any transactional data falling outside of the current Fiscal year.

- Requirement – How much history is required (in time periods)?

Justification – Give business justification for the indicated time period

6. INTERFACES

This section specifies the business requirements on system-to-system data movement (system interfaces).

6.1   Input

<Provide a description of the input data, data validation requirements, selection criteria, fields, format, triggers, and so on.

Depending on the type of development or modifications describe/identify the input AS APPLICABLE; e.g. for reports describe the layout of the selection screen, for inbound interfaces describe the file format.

Note: Once the relevant text is added delete this guideline text marked in blue>

<Insert text>

6.1.1 Interface Parameters

<Explain what the table contains.

*Note: Once the relevant text is added delete this guideline text marked in blue>*

<Insert text>

Table 7: Interface Parameters

Field Text	SAP Table Field Reference	Interface Type	Default Values	Mandatory

6.2   Process/Data Flow Diagram

Replace the example diagram below with a VISIO or Power Point flow diagram depicting the process and data flow of the interface. The diagram need not describe every detail, but should show any systems involved in the interface, and provide a Functional Level understanding of the data that needs to flow between the systems.

<Insert text>
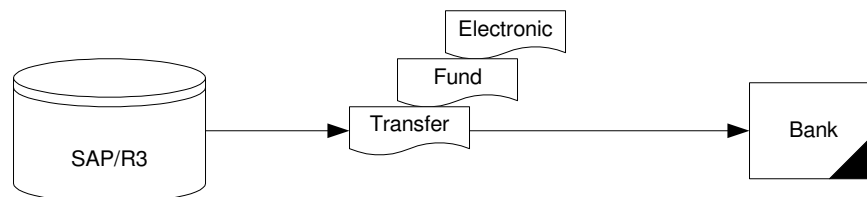
6.3   Logical Data Element Mapping

Complete Logical Data Mapping by using the template provided in Documentum.

- *Attach the completed logical data map for each system and its respective elements to this Functional Specification document in Documentum.*
- *The logical data map should be a system label to system label map as opposed to Table-Field information.*
- *DO NOT populate Technical Information in the template.*
- *Once mapping is done, state under this heading that the mapping is complete.*

Please indicate either here or within the Data Mapping document:

- *All data elements included in this interface that are dependent on other data – are codes being sent that require resolution by the receiving system?*
- *All data hierarchies or logical groupings that must be provided for*
- *All data conversions or lookups required*

<Insert text>

6.4   Business Process Specifications

List and specify all the business requirements for the data being moved (e.g., acknowledgement, process sequentially, and synchronization, etc.).

Please include:

- *The system to be interfaced with R/3*
- *Where the system runs*
- *Whether the system is a single instance, or multi-instance with multiple sites to be integrated*
- *The type(s) of data to be handled by the interface – codes or reference data, master data, transactional data, or a combination of data types*
- *Whether the interface will be used for initial loads and/or conversions*
- *Any dependencies on other interfaces or business processes*
- *Any special business rules that must be maintained when extracting / posting the data*
- *The purposed timing of the interface – how frequently must the interface run?*
- *Any potential timing issues and how they should be addresses from a functional perspective*
- *Any specific turnaround requirements – must data be posted within a specified time from when it is received?*
- *Whether a full refresh is always required, or just the changes since the last execution*
- *How the data is selected and the interface is triggered (outbound interface)*
- *How different update modes will be handled – create, change, logical or physical delete*
- *Whether there are any special security requirements for the interface – will the interface contain any sensitive data (patient, customer, employee, price, etc.)?*

<Insert text>

7.WORKFLOW

Note: This section should be filled out for each relevant component.
This section may be marked N/A if it is not relevant.

This section specifies the business requirements on the workflow.

7.1   Process/Data Flow Diagram

Place a VISIO cross-functional flow diagram depicting the process flow of the workflow. The diagram need not describe every detail, but should show any automated/manual processes and agents involved in the workflow, and provide a Functional Level understanding of the data that needs to flow between the processes.

7.2   Roles and Responsibilities

<Complete Logical Data Mapping by using the template provided in Documentum.>

Table 8: Roles & Responsibilities

Role	Responsibilities	Agent Assignment

8. ENHANCEMENTS

8.1 Process Flow Diagram

<Include a VISIO diagram illustrating the process flow of the enhancement in order to describe the enhancement's function. This section may be marked "Not Applicable." Replace the sample diagram below with your diagram.>

8.2 Enhancement Specifications

<List the detailed business requirements of the enhancement. This should fill in the details for any included diagrams. Because the "enhancement" section is used for many kinds of objects, this section is intended to be somewhat free form. However, the enhancement must be described here in enough detail to allow the developer to begin the technical design. Please provide a complete description in this section. Feel free to borrow from other sections of the document and copy them to this section, if they apply.>

Additional Information

8.3   Volume and Frequency

<Provide some information about the anticipated volume of data to be processed and the frequency the program will run in batch mode or online (if applicable).

Note: Once the relevant text is added delete this guideline text marked in blue>

<Insert text>

8.4   Authorizations

<Outline authorization requirements e.g. mention the authorization objects to be checked during program processing. Due to this requirement the modification / creation of authorization roles might me necessary. Capture such information here, when required.

Note: Once the relevant text is added delete this guideline text marked in blue>

<Insert text>

8.5   Error Handling Specifications

What are the business specifications/needs to handle the errors?

8.6   Additional Security Considerations

List any security considerations that are different than that specified in Section 1.4 or are not covered in Section 1.4.

9. Unit Test Case Scenarios

<Insert text>

Table 9: Test Case Scenarios

Case Scenario	Description

A   Appendix

NA

B Naming Conventions

Document Naming Convention: CIAL_DT_<Module Name>_<Description>.doc

Module Name – Functional Work stream. Example, For FICO Functional specification, <Module Name> should be FI.

- FI = Finance
- MM = Procurement
- PP = Manufacturing
- SD = Sales & Distrubution
- HR = Human Resource
- PM = Maintenance
- PS = Project System
- WM = Warehouse Management
- DMS = Document Management System
- EHS = Environment Health & Safety

DT- Document Type indicator, in this case it is FS (Functional Specification).