Compare\_Unconverted\_Inbound\_850 (1.0.1)

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# Document Control

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# Technical Overview

1. The purpose of this task is to assemble all the information that is required to describe the design of a software component into a complete Design Specification. This task is not a substitute for executing the individual design tasks. This specification work product can serve as a structure for completing the design for each component by providing pointers back into the Design Tasks:   
   - DS.040 Develop Design Architecture Description  
   - DS.080 Design Software Components  
   - DS.090 Design Data  
   - DS.100 Design Behavior  
   - DS.130 Design User Interface

This Design Specification documents the detailed design for Compare\_Unconverted\_Inbound\_850 (1.0.1). This specification, the design specifications for the other components that are part of this use-case package (package), along with the Analysis Specification for the package constitute the complete detailed design for this use case package.

## Building Blocks

1. The intent of this section is to list the building blocks that are required to design the designated component. This includes classes, objects, modules, etc. Reference the Module View of the Architecture Description (RD.130) and appropriate Software Component Design (DS.080) to derive the list of classes and their relationships.

Building Blocks



## Block Relationship Diagram

1. The intent of this section is to graphically depict how the component under consideration interfaces to related components, external systems, and other actors that interact with the use-case package. Reference the Conceptual View and Module View of the Architecture Description (RD.130) and the class diagram prepared in the Software Component Design (DS.080) and Component Behavior Design (DS.100).

The diagram below represents the base tables of each block or zone of the form (vertical) and tables referenced for validation or lookups (horizontal).

Oracle Cloud Fusion

Oracle Integration Cloud

SFTP

# ERP BI - Report Design

1. The intent of this section is to document the report format designs for the reports provided by the component. Reference or include the report specification from the User Interface Design (DS.130) for the component.

## BTST Query

## ITEM Query

1. The intent of this section is to identify the table, columns, and source values that are required to support the above data elements. Refer to the Physical Database Design (IM.040), to identify the existing tables where the above attributes are located.
2. The intent of this section is to define the design considerations necessary to achieve the data retrieval and storage requirements for performance. Include performance requirements as specified in the Supplemental Requirements (RD.055) for service level requirements (i.e., 1-minute response time, etc.)
3. The intent of this section is to define the implementation strategy for each business rule within this component. Refer to the DS.110 Business Rules Design to capture the Business Rules for this component.

# Interface Design

1. The intent of this section is to design the services between the components and the interfaces with external systems for each Use Case. Refer to DS.080 Software Component Design and focus on calling arguments (i.e., service signature) and logic definition.

Overview description

1. The inbound 850 files from unconverted-inbound\_850 are expected to be placed in

< ‘/home/EDI/Unconverted\_850\_Inbound/Input’> folder on SFTP

1. The OIC Interface is scheduled to run at predefined intervals.
2. The OIC interface when started will pick up all the .csv files from the above SFTP location.
3. Verifies the file count and if at least 1 exists, Assign the sequence number. For each file, the below steps are executed in sequential order.
4. Download the input files into the local OIC by using FTP adapter.
   1. If check ItemCount > 0.0, For each SPR file,

* Download input files using FTP adapter and go to next step.
* Otherwise, run the interface List\_Unconverted\_Inbound\_850 and terminate the job.

1. Read Input file using stage file.
2. Write report header using stage file.
3. List Unprocessed SPR files from the directory ‘**/home/spr/in’** using FTP adapter.
4. Check

* if Itemcount >0.0, then for each SPR file download SPR file using FTP adapter.

1. For each input line in SPR file, check if string(filename)=string(Filename) and write SPR file using stage file and assign variable to send report.
2. Otherwise, go to next step.

For loops ends here.

* Otherwise, go to next step.

1. List Unprocessed LCI files from the directory ‘**/home/lci/in**’ using FTP adapter.
2. Check

* if Itemcount >0.0, then for each LCI file download LCI file using FTP adapter.

1. For each input line in LCI file, check if string(filename)=string(Filename) and write LCI file using stage file and assign variable to send report.
2. Otherwise, go to next step.

For loops ends here.

* Otherwise, go to next step.

1. List Unprocessed HD Supply files from the directory ‘**/home/hdsupply/in**’ using FTP adapter.
2. Check

* if Itemcount >0.0, then for each HDSupply file download file using FTP adapter.

1. For each input line in LCI file, check if string(filename)=string(Filename) and write HDSupply file using stage file and assign variable to send report.
2. Otherwise, go to next step.

For loops ends here.

* Otherwise, go to next step.

1. List Unprocessed IFB files from the directory ‘**/home/ifb/in**’ using FTP adapter.
2. Check

* if Itemcount >0.0, then for each IFB file download file using FTP adapter.

1. For each input line in IFB file, check if string(filename)=string(Filename) and write IFB file using stage file and assign variable to send report.
2. Otherwise, go to next step.

For loops ends here.

* Otherwise, go to next step.

1. List Unprocessed NIB files from the directory ‘**/home/nib/in**’ using FTP adapter.
2. Check

* if Itemcount >0.0, then for each NIB file download file using FTP adapter.

1. For each input line in NIB file, check if string(filename)=string(Filename) and write NIB file using stage file and assign variable to send report.
2. Otherwise, go to next step.

For loops ends here.

* Otherwise, go to next step.

1. List Unprocessed Essendant files from the directory ‘**/home/ess/in**’ using FTP adapter.
2. Check

* if Itemcount >0.0, then for each Essendant file download file using FTP adapter.

1. For each input line in Essendant file, check if string(filename)=string(Filename) and write Essendant file using stage file and assign variable to send report.
2. Otherwise, go to next step.

For loops ends here.

* Otherwise, go to next step.

1. Check
2. If $SendReport=’TRUE’, then send notification ‘Unconverted file list’ to reprocess to the team.

* Move input file from **/home/EDI/Unconverted\_850\_Inbound/Input** directory to Archive directory /home/EDI/Unconverted\_850\_Inbound/Archive using FTP adapter.
* Archive input files to /home/EDI/Unconverted\_850\_Inbound/Archive directory.
* Run the interface List\_Unconverted\_Inbound\_850.

1. Otherwise, archive files from /home/EDI/Unconverted\_850\_Inbound/Input directory to Archive directory **/home/EDI/Unconverted\_850\_Inbound/Archive** using FTP adapter.

* Run the interface List\_Unconverted\_Inbound\_850.

## Service Design

1. The intent of this section is to document the services that are provided by this component, for each Use Case. Refer to the Services Design (DS.120).

Compare\_Unconverted\_Inbound\_850 ( 1.0 )

<Service Name> is published for this component with the following arguments:

| Argument | Prompt | Value Set | Default Value |
| --- | --- | --- | --- |
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|  |  |  |  |
|  |  |  |  |

ERPQueryServiceProcss ( 1.0 )

ERPQueryServiceProcss is published for this component with the following arguments:

| Argument | Prompt | Value Set | Default Value |
| --- | --- | --- | --- |
| ORG\_ID | Organization id | Generic | :$PROFILE$.mfg\_organization\_id |
| USER\_ID | Application User ID | Generic | :$PROFILE$.user\_id |
| DATE | Selection Date | FND\_Date4\_required | :$$DATE$$ |

## External Interface Design

1. The intent of this section is to document the External interface messages (i.e., name, arguments etc.) that are sent or received by this component for all external systems for each Use Case.

CreateServiceOrder

<Message Name> is sent or received by this component with the following arguments:

| Argument | Prompt | Value Set | Default Value |
| --- | --- | --- | --- |
| ORG\_ID | Organization id | Generic | :$PROFILE$.mfg\_organization\_id |
| USER\_ID | Application User ID | Generic | :$PROFILE$.user\_id |
| DATE | Selection Date | FND\_Date4\_required | :$$DATE$$ |

LocationService

<Message Name> is sent or received by this component with the following arguments:

| Argument | Prompt | Value Set | Default Value |
| --- | --- | --- | --- |
| ORG\_ID | Organization id | Generic | :$PROFILE$.mfg\_organization\_id |
| USER\_ID | Application User ID | Generic | :$PROFILE$.user\_id |
| DATE | Selection Date | FND\_Date4\_required | :$$DATE$$ |

1. The intent of this section is to define the design considerations necessary to achieve the performance requirements for each interface. Include performance supplemental requirements as specified in the Supplemental Requirements (RD.055) work product for service level requirements include the Software Component Design (DS.080) with focus on the interface performance Design.

OrganizationService

<Message Name> is sent or received by this component with the following arguments:

| Argument | Prompt | Value Set | Default Value |
| --- | --- | --- | --- |
| ORG\_ID | Organization id | Generic | :$PROFILE$.mfg\_organization\_id |
| USER\_ID | Application User ID | Generic | :$PROFILE$.user\_id |
| DATE | Selection Date | FND\_Date4\_required | :$$DATE$$ |

CustomerAccountService

<Message Name> is sent or received by this component with the following arguments:

| Argument | Prompt | Value Set | Default Value |
| --- | --- | --- | --- |
| ORG\_ID | Organization id | Generic | :$PROFILE$.mfg\_organization\_id |
| USER\_ID | Application User ID | Generic | :$PROFILE$.user\_id |
| DATE | Selection Date | FND\_Date4\_required | :$$DATE$$ |

1. The intent of this section is to define the design considerations necessary to achieve the performance requirements for each interface. Include performance supplemental requirements as specified in the Supplemental Requirements (RD.055) work product for service level requirements include the Software Component Design (DS.080) with focus on the interface performance Design.
2. The intent of this section is to document the design changes necessary to provide archiving required to support this component. Refer to the Logical Database Design (DS.150).

# Misc

## SFTP folder structure

Incoming files : /home/EDI/Unconverted\_850\_Inbound/Input

Archived files : /home/EDI/Unconverted\_850\_Inbound/Archive

Output directory: /home/EDI/Unconverted\_850\_Inbound/Output

## Sample Input file

## OIC LookUp DVM details

Unconverted\_850\_Inbound LOOKUP

|  |  |  |
| --- | --- | --- |
| DVM Unconverted\_850\_Inbound LOOKUP | | |
| Input\_Type | Input\_File\_Directory | File\_Extn |
| Input\_directory | /home/EDI/Unconverted\_850\_Inbound/Input | \*.csv |
| Archive\_directory | /home/EDI/Unconverted\_850\_Inbound/Archive |  |
| Output\_directory | /home/EDI/Unconverted\_850\_Inbound/Output |  |

# 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 (Manage focus area) and managed using a project level Issue Form (Manage focus area). 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

| ID | Issue | Resolution | Responsibility | Target Date | Impact Date |
| --- | --- | --- | --- | --- | --- |
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## Closed Issues

| ID | Issue | Resolution | Responsibility | Target Date | Impact Date |
| --- | --- | --- | --- | --- | --- |
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