OUM

MD70 Technical Design Specification

Cirrus GED RMCS Manual Revenue Recognition Interface

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# Document Control

## Change Record

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| Date | Author | Version | Change Reference |
| --- | --- | --- | --- |
| 19-May-21 | Sowndarya Perumal | 1.0 | REL-053 |
| 03-SEP-21 | Kanak Soni | 1.1 | REL-056(AHA Req. RMCS 210) |
| 01-Jun-23 | Karthik S | 1.2 | REL-077 Added ‘T&M’ and ‘As invoiced’ revrec method and added revrec method in line number LOV. |
| 20-JAN-2024 | Karthik Chundi | 1.3 | REL-084 Emergency Release  updated bursting logic for file delivery from Fusion to other systems no longer involves the utilization of the profile option. |

## Reviewers

| Name | Position |
| --- | --- |
| (Team Lead/Project Manager Name) | Sr Software Engineer |
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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 Cirrus GED RMCS Manual Revenue Recognition Interface.

## Approach

The purpose of this new custom report **“Cirrus GED RMCS Manual Revenue Recognition Interface**” is to generate text file and transfer to OIC for manual revenue recognition of project and contract lines.

Cirrus GED RMCS Manual Revenue Recognition Interface will be BI Publisher report in Fusion. The report output will be in text format. The BIP report will not have an ESS Job.

The extracts should include all project and contracts for GED BU’s which exist in ‘GED\_BU\_NAMES’ lookup with RMCS = ‘Y’ that have been configured and are active/operational in the Oracle Cloud (Fusion)

The custom BIP job – “Cirrus GED RMCS Manual Revenue Recognition Interface” is developed to extract data in csv flie which will be placed in MFT file path. SOA (ICS) will pick these files and process these files which will push data to RMCS tables.

Program will generate data for the link ID from parameter and for active contract and contract line.

Sub Line Type Code value is ORA\_SATIS\_EVENT\_SMM\_QUANTITY

SOURCE DOCUMENT TYPE CODE value is GED\_SOURCE.

Satisfaction Measurement date is run date (sysdate)

Only contract line with attribute16 with value 'Milestone' are eligible for Manual Revenue Recognition.

Parameter line number to be displayed in format of contract\_number||' '||contract\_line\_number||' '||project\_number||' '||task\_number. When the parameter value is passed to data model, it is passed as link\_id.

Bursting is enabled to generate output file with name 'CCLFOMPPM.RMCS.Revenue.GEDManual.' || TO\_CHAR(SYSDATE, 'YYYYMMDDHH24MISS') || '.txt' and send to MFT\_ICS\_SFTP server.

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.

## Components List

|  |  |  |
| --- | --- | --- |
| Component Type | File Name | Description |
| Data Model | Cirrus GED RMCS Manual Revenue Recognition DM.xdmz | The data model with the query and the parameters. |
| Layout Template | SUB LINE.rtf | Layout which is will provide text output |
| Report | Cirrus GED RMCS Manual Revenue Recognition Interface.xdoz | Report Definition |

## Assumptions

This design assumes the following

* The custom BIP report for the Cirrus GS OM-PPM Revenue and CM Backlog Report will be placed under the Shared Folders 🡪 Custom🡪 GED RMCS 🡪 RMCS folder in the BI Catalog.
* The report has six parameters
* The report output will be in Text format.

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).

1. The diagram above is just an example—Double click on it to edit it as an embedded object. Select it and choose Edit->VISIO Object->Open to open it in the full Visio application.  
     
   You can also use other tools to draw your diagram and define most of the information in this section. So you may then want to refer to the repository for a specific diagram.

# Cirrus GED RMCS Manual Revenue Recognition Interface - 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.

The purpose of this new custom report **“Cirrus GED RMCS Manual Revenue Recognition Interface**” is to.

## Calling Arguments

The report will have the following parameters.

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter | Prompt | Required Y/N | Comments |
| P\_FTP\_PATH | Destination Directory | N |  |
| p\_bu | Business Unit | N |  |
| p\_line\_number | Line Number | N |  |
| p\_order\_qty | Amount | N |  |
| Rev\_Recog | Revenue Recognised | N |  |
| Amount\_Remaining | Revenue Remaning | N |  |

# Cirrus GED RMCS Manual Revenue Recognition Interface – Data Model

|  |  |
| --- | --- |
| Data Model Name | [Cirrus Ged Rmcs Manual Revenue Recognition DM](javascript:void(0);).xdmz |
| Data Source | ApplicationDB\_FSCM |

## Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter | Prompt | Required Y/N | Default Value |
| P\_FTP\_PATH | Destination Directory | N | /icsuser/inbound/rmcs/revenue |
| p\_bu | Business Unit | N |  |
| p\_line\_number | Line Number | N |  |
| p\_order\_qty | Amount | N |  |
| Rev\_Recog | Revenue Recognised | N |  |
| Amount\_Remaining | Revenue Remaning | N |  |

## SQL Statements



REL-077 : Added ‘T&M’ and ‘As invoiced’ revrec method and added revrec method in line number LOV.



**REL-084 Emergency Release**



## Template



## Output



**REL-056**

It is a Bug fix. In Amount to be recognized LOV we were subtracting revenue recongnised(ledger currency) from Net line amount (in contract currency), in the latest code change we are subtracting in ppm contract currency only due to which Revenue recognized LOV has to be updated in ppm contract currency only.

|  |  |  |
| --- | --- | --- |
| Parameter | LOV | LOV query |
| Rev\_Recog | Destination Directory | SELECT DISTINCT  -- commented in REL-056 NVL(vpol.contr\_cur\_recog\_rev\_amt,0)  NVL(SUM(vpse.SATISFACTION\_QUANTITY),0) --added in REL-056  contr\_cur\_recog\_rev\_amt  FROM  vrm\_source\_documents vsd,  vrm\_source\_doc\_lines vsdl,  VRM\_PERF\_OBLIGATION\_LINES VPOL,  VRM\_POL\_SATISFACTION\_EVENTS vpse --added in REL-056  WHERE  vsd.document\_id = vsdl.document\_id  AND vpol.document\_line\_id=vsdl.document\_line\_id  AND vsdl.data\_transformation\_status ='PROCESSED'  AND vpse.perf\_obligation\_line\_id = vpol.perf\_obligation\_line\_id --added in REL-056  AND (--(vsdl.line\_num = (:p\_line\_number)) or  (vsdl.doc\_line\_id\_char\_1=:p\_line\_number))  AND vsd.org\_id = NVL(:p\_bu,vsd.org\_id) |
| Amount\_Remaining | Business Unit | SELECT DISTINCT ( NVL(vpol.net\_line\_amt,0)-  -- commented in REL-056 NVL(vpol.contr\_cur\_recog\_rev\_amt,0)  :Rev\_Recog --added in REL-056  ) amount  FROM  vrm\_source\_documents vsd,  vrm\_source\_doc\_lines vsdl,  VRM\_PERF\_OBLIGATION\_LINES VPOL  WHERE  vsd.document\_id = vsdl.document\_id  AND VPOL.DOCUMENT\_LINE\_ID=VSDL.DOCUMENT\_LINE\_ID  AND vsdl.DATA\_TRANSFORMATION\_STATUS ='PROCESSED'  AND (--(vsdl.line\_num = :p\_line\_number) or  (vsdl.doc\_line\_id\_char\_1=:p\_line\_number))  AND vsd.org\_id = :p\_bu |

**Code**

****

**Output**

****

# Installation Considerations

1. Add to or modify this list as appropriate. Provide additional details where necessary to facilitate the creation of the installation routines.

For the ERP Cloud Part, the installation will consist of the following:

1. Create data model.
2. Create layout template and upload the template.
3. Define the custom ESS Job.

# 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 |
| --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

## Closed Issues

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