O2C-10025-R-FS-Contract Level vs Line Item Level Report

Functional Specification - Reports

Product Team: Contracts & Billing

Feature Title: Contract Level vs Line Item Level Report

L1 Value Stream: Order to Cash

L3 Process

Contracts & Billing - Contract Reporting And Audit Support

Role and Reason for Approval						
Functional Spec Author	Vargas, Ruben (US N-DELOITTE SERVICES LP) Unknown User (n9620f)					
Role	Functional Lead & IT Business Analyst					
Functional Spec Status	FS- Approved					
Product Team	Contracts & Billing					
L1 Value Stream	Orders to Cash					
Date Functional Spec Created	3/13/2023					
Date Functional Spec Approved	3/29/2024					
Functional Spec Approved	✓					
Date BA IT Representative Approved	Keswani, Anup H (US)					
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Chang	nange Log				
Version	Prsion Date Name Authorization for Create /Change			Alteration Reason	
1.0	4/5/23	Amanda Petrick		Initial Release	

1.2	25 Mar 2024	David Osei-Yaw	Draft
		Ram Balasubra manian	
1.3	3/27 /2024	Daniel Toro	Peer Review
1.4	3/29 /2024	Daniel Toro	Approved

Create Technical specification - Reports

Technical Specifications (will be listed here once first one is created using the button above)

O2C-10025-R-TS-Contract Level vs Line Item Level Report-TS

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1.0						
Business Context						
1.1 Business Need	A report is needed which allows a contract user to view and export contract data from the operational contract within S/4HANA. The data exported can be from a single contract or multiple contracts and presented in tabular format. The report should include contract level and line-item level data and must be displayed in the logon language of the user (which could be non-English (such as Polish)). Requirements:					
	Requirement Title	Requirement Description (Refined Shall Statement)				
	O2C-CLM-R- 0368	The system shall have the capability to display/export a report of contract data from S/4 for a single contract, or multiple contracts in a tabular format. The report should include Contract-level vs. Line Item level.				
1.2 Why is standard functionality not appropriate or sufficient?	There is an existing Custom report ZSO_VALIDATION/ZSO_VALIDATION_OM which could be used as a prototype and can be enhanced to fit additional new Requirements for S4. Since the report pulls data from multiple S4 tables and does some key validations, there is no Standard S4 report that would fit the requirements.					
1.3 Alternate Approaches Considered	aches easy-to-read table.					
1.4 Out of Scope	N/A					

1.5 Assumptions	This is an Existing Report which will be modified from ECC into S4 with new field and logic additions.								
	Title	Description	Entered by						
1.6 Dependencies									
no Doponaciiolos	Depend	ency			Description	Owner	Target		
	02C-	10045-I-FS	-LambdaX	to S/4 Sales Contract Sync					
1.7 Links	• 020	Mapping Fields -10045-I-FS-Lam -061 Install Selec		s Contract Interface ions					
1.8 Other key requirements	•								

A FIORI embedded Analy	FIORI embedded Analytics List Report								
2.1 Application High Level Overview									
2.2 Application Detail Overview	Functional description of the requirements (i.e. business needs): A report is required to Validate New Contracts and Contract Changes so that O&M or other POC responsible for monitoring the Master Data creation interface use this report.								
	Functional Requirement ID Name Functional Requirement Description								
	O2C-10025-R-FS Contract Validation Report Contract Validation Report								
2.3 Selection Criteria	O&M or other PCC personnel responsible for monitoring the Master Data creation interface use this report to validate new Contracts and Contract changes. Depending on the view selected, the report shows Contract header detail, line item detail, CLINACRN, ADN, Condition Types, or Partner Information. This report will have the following selection criteria: **SAP Contracts No.** **Company Code** **Sales Org** **Contract Type** **Ste Name (Company Code** **Sales Org** **Customer Contract Number* **Customer Contract Number* **Customer Contract Number* **Customer Order No.** **LOB (Line of Business)* **Business Area** **Sub-Business Area** **Profit Center* **Change Date** **Created Date** **Created Date** **WBS Element (Cost Accumulator)* Under Contract Validation Selection: Add new input parameters for header status: **Header Status (provide valid values in a drop down from ZSD_ECSSTAT_DSC field ZZ_ECS_STAT_DSC) TBD - Action Kuhn, Brian (US) - Need field definitions and description* **Requirement for Checkbox to include records with missing Contract Status* The user may select from the following results views prior to running the report: **Display Header Screen** **Display CLINACRN Screen** **Display CLINACRN Screen** **Display CLINACRN Screen** **Display Candition Screen** **Display Partner Screen** **Display Bill Plan (new for STS)* **Display Bill Pl								

There shall also be two check boxes at the bottom of the selection screen:

- Do not return order type ZGK (Master Contract)
 Do not return DMR's.

The view selections are also available from the results screens.

The display document icon is available on the icon bar and will display transaction VA43 for the selected document.

Fields displayed when Display Header is selected (also the default display if another view not selected):

- ContractSales Org
- Purchase order numberDelivery Order
- Company Code
 Created Date
- Changed Date Contract Type

- Contract Type
 Prime Contract Type
 Prime Contract
 Prime Delivery Order
 Fee Separate Indicator
 IBS Indicator
 CLIN ACRN Required Distribution Method
 Contractor Belo Contractor Role
- DPAS Rating
 Last Mod
- Sec ClassFunding SoFMF IndicaACRN Rec
- Funding Source FMF Indicator

- FMF Indicator
 ACRN Required
 Payment Terms Code
 Customer Group (moved from Display Item selection)
 IWTA Type (new field)
 Output Determination Flag (Automated WAWF)
 Include Manual SAP Attachments in WAWF
 System Deficiency Flag
 Time & Materials Calendar Month Setting

- Time & Materials Caterials World Setting
 Previously Billed Status
 Header Billing Block
 Relevant for GCC Billing flag
 Three cost account dates (Cost Account Start Date, Cost account complete Date, Cost Account Funded Through Date)

Include the Name and Descriptions of the following as optional

- Line Of Business (LOB)
- Line of Business (LOB) Short name
 Business Area
 Business Area Short name

- Sub-Business Area
 Sub-Business Area Short name
- Profit Center
 Profit Center Profit Center Text

Fields Displayed when Display Item is selected:

- Contract
- Sales Org
 Purchase Order Number
- Customer Order No
- Performing Site Name Company Code Created Date
- Changed Date
 Contract Line Item
 PO Item
- Item Category WBS Element CLIN

- ELIN
 Manu Manufacturer Part Number Description SAP Liquidation Line Item

- Currency
 Cum Quantity
- Base UOM
 FCOM India
- FCOM Indicator
- Price Code DIP Profile Customer Group Billing Block
- PR CLIN
- PR ELIN POP Start Date POP End Date
- Funded Thru Date
- Fee Method Controlling Area Contract Status

- Costing SheetProject TypeContract Document Type

Include the Name and Descriptions of the following as optional:

- Line Of Business (LOB) Line of Business (LOB) Short name Business Area
- Business Area Short name
- Sub-Business Area Sub-Business Area Short name
- Profit Center Text
- Profit Center

Fields displayed when Display CLINACRN is selected:

- Contract
- Sales Org Purchase Order Number
- Customer Order
- Performing Site Name Company Code Created Date

- Changed Date
 Contract Line Item
 WBS Element
- Contract Line Item CLIN
- Contract Line Item ELIN Schedule Line Item Number
- CUIN/SLIN (should only appear if the CLIN Allocation Required indicator is Y) ELIN (should only appear it the CLIN Allocation Required indicator is on Y ACRN (should only appear if the ACRN Allocation Required indicator is Y)

- FMS Country (should only appear if the FMS Allocation Required indicator is Y)
 ACRN Long Line
 ACRN Station

- Delete/Pending Indicator
 CLIN Sequence No (should only appear if the CLIN Calculation Method is 1 = FIFO)
- CLIN Sequence Wo (should only appear if the CLIN Calculation Method is 2 = percent)
 CLIN Percentage (should only appear if the CLIN Calculation Method is 2 = percent)
 ACRN Sequence No (should only appear if the ACRN Calculation Method is 1 = FIFO)
 ACRN Percentage (should only appear if the ACRN Calculation Method is 2 = percent)
 FMS Sequence No (should only appear if the FMS Calculation Method is 1 = FIFO)
 FMS Percentage (should only appear if the FMS Calculation Method is 2 = percent)
 Total Eurolium

- Total Funding Current Billing
- Billed To Date
- Active/Inactive Indicator Time Stamp Change

- Time Stamp Insert ACRN # Required Allocation BLANK Column

- Priority
 CLIN Calculation Method (should only appear if the CLIN Allocation Required indicator is Y)
- ACRN Calculation Method (should only appear if the ACRN Allocation Required indicator is Y)
 FMS Calculation Method (should only appear if the FMS Allocation Required indicator is Y)

Include the Name and Descriptions of the following as optional

- Line Of Business (LOB)
- Line of Business (LOB) Short name
 Business Area
 Business Area Short name

- Sub-Business Area
 Sub-Business Area Short name
 Profit Center Text
 Profit Center

Fields displayed when Display ADN is selected:

- Sales OrgPurchase Order Number
- Customer Order
- Performing Site Name Company Code Created Date

- Changed Date Contracts Line Item WBS CLIN

- ELIN
- Sequence No ADN Number
- ADN Split Percentage
- ADN Type

Include the Name and Descriptions of the following as optional

- . Line Of Business (LOB)
- Line of Business (LOB) Short name

- Business Area
 Business Area Short name
 Sub-Business Area Short name
 Sub-Business Area Short name
- Profit Center Text
 Profit Center

Fields displayed when Display Condition is selected:

- Contracts
- Sales Org Purchase Order Number
- Cust Order Performing Site Name Company Code Created Date

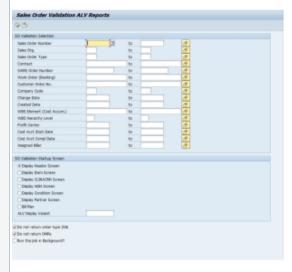
- Changed DateContracts Line ItemWBS Element
- CLIN
- ELIN
- Condition Type
- Value Currency
 Rate/Unit Price
 Condition Amount

Include the Name and Descriptions of the following as optional

- Line Of Business (LOB)
 Line of Business (LOB) Short name
- Business Area
- Business Area Shor
 Sub-Business Area Business Area Short name

2.4 Validation

It will be the Contract and its details(screenshot of existing Selection screen from the Sales Order Report added for reference)



At least one of the selection fields must be entered, if all are blank, it is an error, ie - this report can not accidently get run full open without any selection criteria.

This is a possibility of a lot of fields, and that is okay. The default report should show in SAP Excel equivalent,

2.5 Authorizations (Security/Role/Data Security)

O&M or other authorized individuals will use this report to perform Contract Validation. Transaction will be assigned to role and roles will be assigned by company code.

The data is not proprietary or export controlled.

2.6 Data Selection and Error Handling Requirements

TBD Unknown User (n9620f) Need to identify the data validations to be performed by this report

2.7 Data Source

The source of all data comes from S4

Source System	Description of data	Data owner	Types (db,csv,api)	Entities Used	Any extraction strategy(Delta,full load,etc)
S4	Contract Master and Line Item		CSV/SAP		Depends on the Selection Screen Input

2.8 Report Output /Layout

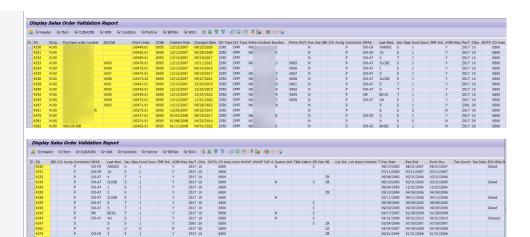
This will be an ALV report in SAP, but can be downloaded into an Excel for further slicing and dicing, samples attached are from the Sales order validation report -Header.XLSX Sales

Report in Excel format should:

- Automatically contain Header Description
- Automatically contain Header Description
 Date fields should display as Dates in the SAP users Default date format (i.e. MM/DD/CCYY, DD/MM/CCYY, etc)
 Quantity and Currency fields should display in their appropriate numeric form to allow for mathematical operations activity.
 All other fields should display as characters with any leading zeros in the fields.

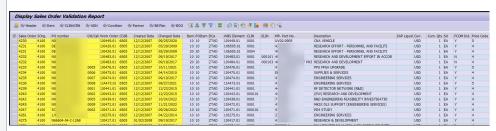
Disclaimer - This is a sample of the existing Sales Order Report, the new report is yet to be developed.

Header Level:



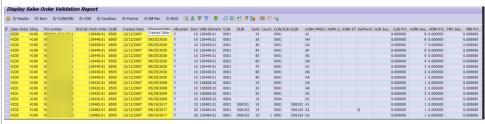
Item View

DO-A2 BASIC 4 DO-A7 1

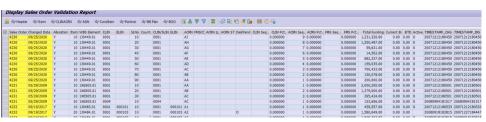




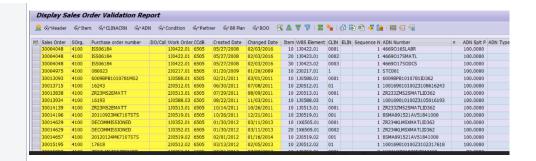
Left side CLIN / ACRN View



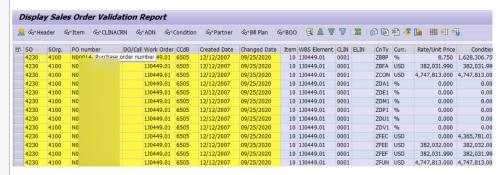
Right side of the CLIN/ACRN view:



ADN View:



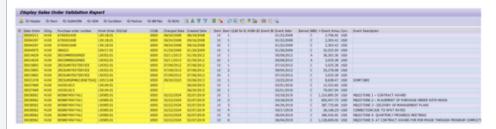
Condition View:



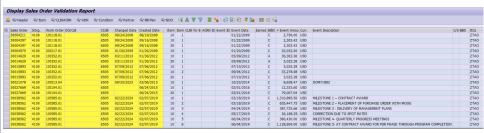
Partner information:



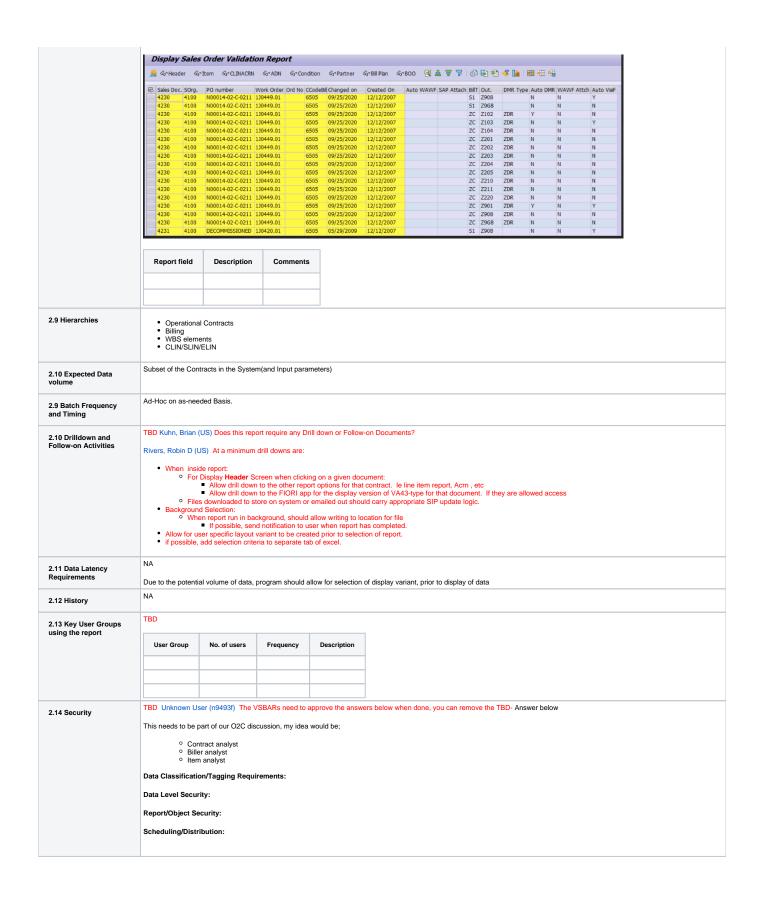
Left side of Bill Plan view:



right side of bill plan



Billing Plan Output Option:



3.0 How to Test (Write both positive and negative steps)

3.1 Data Setup

Data Object	Value/Code	Description	Comments	
Contract Number				
Sales Org.				

3.2 Procedural Steps: Please list each procedural step, the expected result and whether the steps PASS or FAIL

Steps	Step Description	Actual Results	Expected Results
	Run Report for Each of the fields at Report selection screen		Should get data that matches that selection criteria
	Run Report for Each of the fields at Report selection screen with data that is NOT in the system		Should get a pop-up screen indicating no data was retrieved
	Run Report for each of the values under the Startup Screen Selection for where data is present		Should display data that is limited to that selection
	Run Report for each of the values under the Startup Screen Selection for where data is Not present		Should get a pop-up screen indicating no data was retrieved
	Run Report in Background		Should run and notify user when complete.
	Run report with selection of Master Contract ZGK unchecked		Should display Master Contract information

Appendix 1 Selection Screen Requirements/CDS View Parameters if applicable FS 10025 Selection Screen.jpg

Table /Structure Name	Field Name	Format	Default Value	Table Value / Checkbox / Radio Button / Radio Button Group	Select Option or Parameter	Single, Range, or Multiple Ranges	Mandatory or Optional	Field Labels