

FD - [CORE] 5 - Approval

In order to control price deviations at One Quote level, a custom approval process has been built. We built it in order to manage potentially different approvers per product lines.

// Approval fields calculation during price configuration

- **At One Quote line item level as soon the "Quoted price" is edited, the system calculates dynamically if there is an approval needed or not(1):**

Depending on the deviation one of the 3 roles below may need to approve:

- RMD (Regional market director)
- GMD (Global market director)
- PAM (Product Attribute Manager)

To calculate the RMD and GMD approver role we use the corresponding approval thresholds % stored on the related volume bracket(2) and we calculate at OQLI level the "GMD approval" and "RMD approval" threshold unit values.

- If the quoted margin is below "RMD approval" and above "GMD approval" and Price floor the approver role will be RMD
- If the quoted margin is below "GMD approval" and above price floor the approver role will be GMD
- If the quoted margin is below "Price floor" the approver will be PAM

If the "enable scaling price" checkbox is enabled at OQLI level we compare the minimum price between Quoted price/ Price (Bracket 2) / Price (Bracket 3) to know if there is an approval needed or not.

- **Absolute thresholds:**

We also implemented an absolute threshold logic to request an approval if the annual impact of the deviation will raise a certain amount.

Absolute thresholds are maintained at Custom metadata level (One Quote Approval)(3) and at the moment **only Novacare use it.**

For Novacare values are the below:

- RMD Absolute threshold = 20 000€
- GMD Absolute threshold = 100 000€

To give a concrete example how it works the system calculates the price impact versus the estimated annual volume.

Egs:

If an OQLI has a estimated annual volume at 150 000 kg, a price guidance at 2€/kg and a quoted price at 1,5€/kg. The annual impact is $(2€ - 1,5€) * 150\ 000 = 75\ 000€$. On this example we meet the RMD absolute threshold and an approval will be require even if we are above the RMD approval threshold.

- **Approver matrix:**

For the system to find the right approver after an approver role is defined at OQLI level we maintain a matrix at utility level on the "One Quotes price deviation"(4) record type.

We look at the record with the same combination of GBU/BU /Region/Role and we retrieve the approver.

Name ?	Role	GBU	BU	Region	Country	Product	First Approver
AgroGlobalMarketing Director	GMD	Novacare	Global	Agro	Global	Labovir Global/BA	
AgroRMD/GBU	RMD	Novacare	Agro	AMC		Industrie Global	
AgroRMD/GBU	RMD	Novacare	Agro	EMEA		Industrie Global	
AgroRMD/LAM	RMD	Novacare	Agro	LAM		Industrie Global	
AgroRMD/NA	RMD	Novacare	Agro	NA		Industrie Global	
AgroGlobalMarketing Director	GMD	Novacare	Global	Agro	Global	Novacare	
AgroRMD/GBU	RMD	Novacare	Agro	AMC		Novacare	
AgroRMD/GBU	RMD	Novacare	Agro	EMEA		Novacare	
AgroRMD/LAM	RMD	Novacare	Agro	LAM		Novacare	

Edit access to this matrix is managed via sharing rule:

- For Novocare all users part of the group below can edit it: [CS-SHR-Utility Edit](#)
- For TS all users part of the group below can edit it: [TS-SHR-Utility Edit](#)

• **List of OQLI fields used on the approval process:**

Field Name	Comment
Estimated Annual volume	Use to calculate the annual impact to be compared with absolute thresholds.
Quoted Price	To be compared with thresholds to know if there is an approval needed. Use for GBU different than Novocare.
Price (Bracket 2)	Use if scaling price is true. We compare the minium value between quoted price, price (bracket 2) and price (bracket 3) with thresholds to know if there is an approval needed.
Price (Bracket 3)	Use if scaling price is true. We compare the minium value between quoted price, price (bracket 2) and price (bracket 3) with thresholds to know if there is an approval needed.
Quoted Margin	To be compared with thresholds to know if there is an approval needed.
Price Guidance	Use to calculate GMD and RMD Approval fields for GBU different than Novocare.
Margin Guidance	Use to calculate GMD and RMD
Price Floor	To be compared with the quoted price to know if there is a PAM approval needed when below.
Margin Floor	To be compared with the quoted margin to know if there is a PAM approval needed when below.
GMD Approval	To be compared with the quoted margin and the quoted price to know if there is a GMD approval needed when below.
RMD Approval	To be compared with the quoted margin and the quoted price to know if there is an RMD approval needed when below.
Approver Role	To track who will be the approver role to retrieve from the matrix.
Approval Status	To track the status of the OQLI on the approval process.
Approver	To track the approver Name.

For more information on fields formulas please check

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III/ Approval process

- **Send a One Quote for approval**

To send a quote for approval the One Quote owner has to click on the "Send for approval"**(5)** button at the top right of the LWC on the "Configuration and Product" tab.

Condition for the button to be displayed:

All the product lines have to be configured. An OQLI is considered configured as soon the "Product & Plant" and "Customer & demand" columns are fully populated.

As soon the button is pushed with no errors, the One Quote status is updated to "Sent for approval", the OQLI status of the lines requiring approval are updated to "Approval pending". All the lines with no approval needed are updated to approve.

The table and the quote are now in read only for the One Quote owner.

Note : Send for Approval & OQLI Price Settings

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If at least one OQLI has has its price settings to False, then we display a Red Banner at the top of the line **(10)** + we greyed out the "Send for Approval" **(11)** Buttons in order for the user not to be able to select it.

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Whenever all OQLI have active price settings, then the Red banner disappear and the Send For Approval button is clickable.

This will happen when an account manager set new values of active Manuf/shipping plant on the inactive lines.

If you want to know more about OQLI Price setting please go here => [FD - \[CORE\] Quote Price Settings](#)

- **Approval / Rejection process**

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As soon all the lines status are "Approved", the One Quote status is automatically updated to "Approved" and the owner can move forwards on the process.

[illegible]

- Sales Org
 - If the sales org is not set (from renewed /clone quote), then based on the Sales Org keys the system can identify the correct Sales Org Record in order to set the :
 - OQLI.SLV44_Solvay_Sales_Organisation__c
 - OQLI.PP_SAP_Sales_Org__c (picklist)
 - set with the OQLI.SLV44_Solvay_Sales_Organisation__c.

SLV44_Sales_Organisation_Code_
_c

- Distribution Channel
 - Depending on the region and the customer segmentation
 - All details here:

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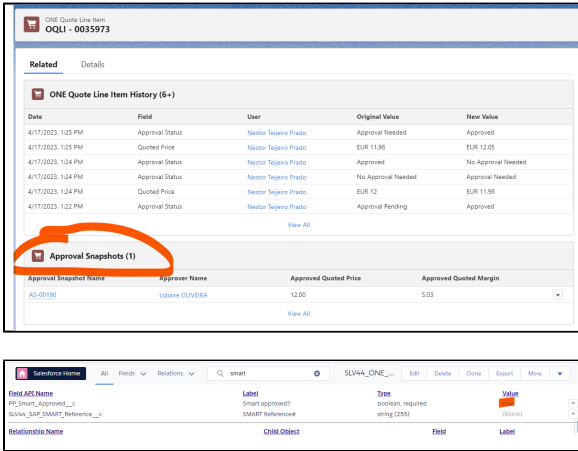
V/ Smart Approval

As an AM I can keep the approval of my Quote Line Items after I have move the quote back to draft or renew if certain conditions are met:

- This applies only when renewing a quote or re-open an already approved quote.
- We evaluate previously given approvals matching the following key:
 - Same Quote Account, Region, BU, Material Level 5, Manuplant, Shipping Plant and Incoterm.
 - Same Approval Role
 - Same Approval Thresholds or higher (RMD, GMD, Margin Floor)
 - Quoted Margin = or above the last quoted margin
 - Last approval given in less than 4 weeks.

More details here:

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The screenshot shows two tables from a system interface. The top table, 'ONE Quote Line Item History (6+)', has columns: Date, Field, User, Original Value, and New Value. It contains six rows of approval history for a quote line item. The bottom table, 'Approval Snapshots (1)', has columns: Approval Snapshot Name, Approver Name, Approved Quoted Price, and Approved Quoted Margin. It contains one row for snapshot AS-00190. A red circle highlights the 'Approval Snapshots (1)' table header.

Date	Field	User	Original Value	New Value
4/17/2023, 1:25 PM	Approval Status	Nestor Tejeda Prado	Approval Needed	Approved
4/17/2023, 1:25 PM	Quoted Price	Nestor Tejeda Prado	EUR 11.99	EUR 12.05
4/17/2023, 1:24 PM	Approval Status	Nestor Tejeda Prado	Approved	No Approval Needed
4/17/2023, 1:24 PM	Approval Status	Nestor Tejeda Prado	No Approval Needed	Approval Needed
4/17/2023, 1:24 PM	Quoted Price	Nestor Tejeda Prado	EUR 12	EUR 11.99
4/17/2023, 1:22 PM	Approval Status	Nestor Tejeda Prado	Approval Pending	Approved

Approval Snapshot Name	Approver Name	Approved Quoted Price	Approved Quoted Margin
AS-00190	Lutane OLIVEIRA	12.00	5.03

• Steps:

1) When an Approver sets a decision in a Quote Line Item (Approved or Rejected) the system generates now an **approval snapshot**. This is a new object related to the Quote Line Item:

2) If the quote line item is moved to **draft** or **renewed** the system can use the Approval Snapshot to "remember" the approval if the conditions below are met:

- Same Quote Account, Region, BU, Material Level 5, Manuplant, Shipping Plant and Incoterm.
- Same Approval Role
- Same Approval Thresholds or higher (RMD, GMD, Margin Floor)
- Quoted Margin = or above the last quoted margin
- Last approval given in less than 4 weeks.

3) If all the conditions above are met, then the quote line item status is set to Approved. There is a new field at Quote Line Item level named "**Smart Approved?**" to differentiate approvals given by an approver vs smart approvals. Pricing teams can use this to run reports.

Smart Approvals Process Flow

