

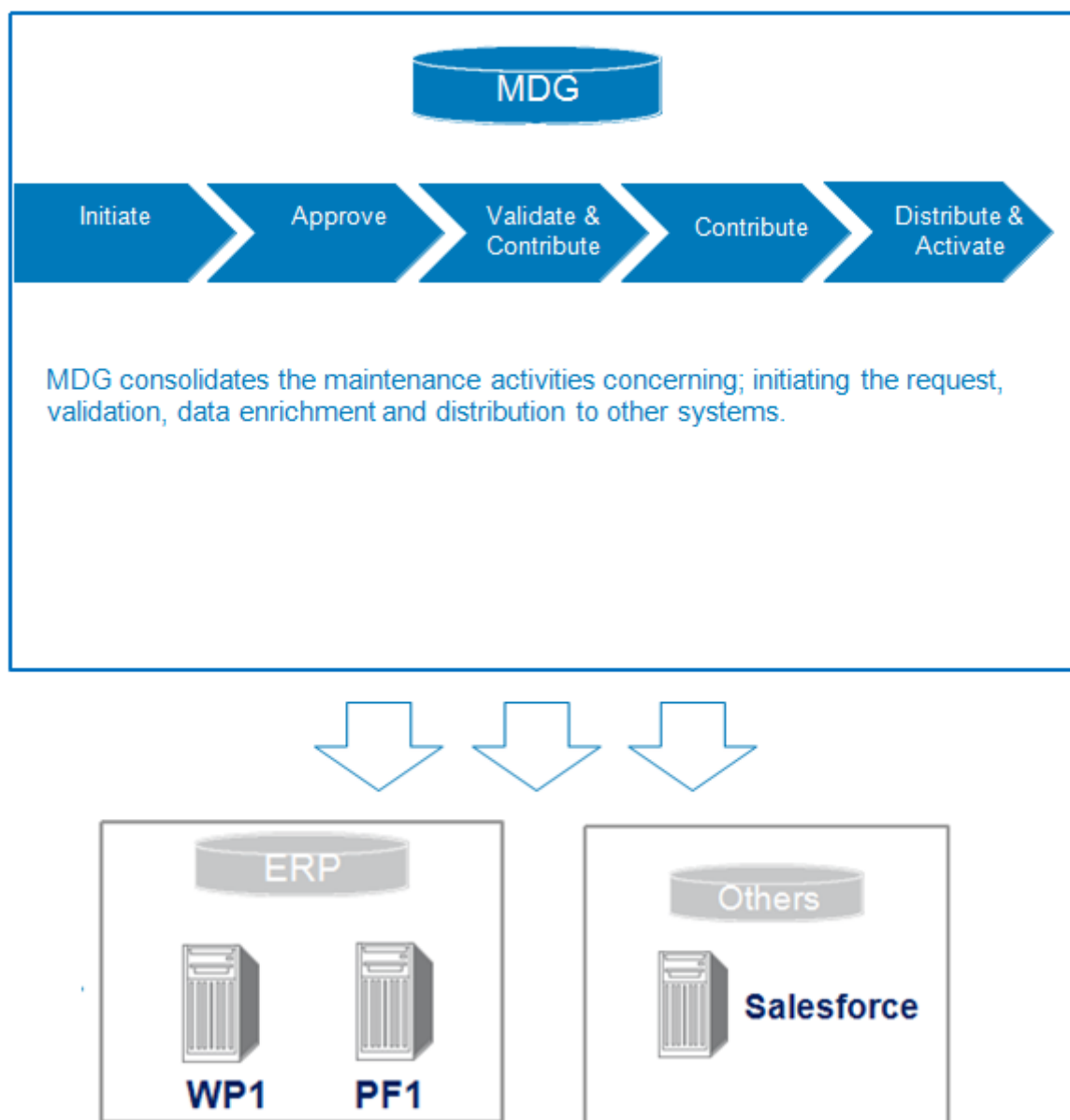
MDG - Finished Product Maintenance

• 1. High Level MDG Process	1
• 2. Change Request Types as Core Element of MDG	2
◦ Transcoding of some data elements	2
• 3. SAP MDG for Finished Goods Navigation	4
◦ Connection to MDG system	4
◦ Homepage	4
◦ Search Function	5
◦ MDG – Material Display	6
• 4. ZMAT01 - MDG – Creation Workflow: Requester	7
◦ Page Layout	8
• 5. Change request Handling by Data Operations Team	9
◦	10
◦ Change Request	11
◦ Target System	11
◦ Basic Data	11
◦ Material descriptions	13
◦ Dimensions	14
◦ Basic Data Text	14
◦ Purchasing	15
◦ Sales	15
◦ Distributions Chains/Sales Areas	16
◦ Plants	17
◦ QM view	18
◦ Aftersteps	18
• 6. Material deletion requests	18
• 7. Material Classification	19
• 8. Label Data	20
◦ 8.1. O&G Label Specifics	21
• 9. Novecare and O&G GTS Classification	21
• 10. Error Handling	24

MDG - Master Data Governance.

It helps to gain a single, trusted view of data and to address digital, analytical, and operational challenges head on, to simplify enterprise data management, increase data accuracy, and reduce total cost of ownership with a single solution that facilitates consolidation and central governance.

1. High Level MDG Process



2. Change Request Types as Core Element of MDG

There are 10 different types of workflows available, one of which is optional.

There is an initial request submission, followed by validation steps, then a global data maintenance, then finally the plant-specific data maintenance.

ZMAT01 - For material creation

ZMAT02 - Extend/add plant/sales area

ZMATACT - Reactivate material

ZMATGEN2 - Change general data

ZMATPLN2 - Change local plant data - planning

ZMATQM2 - Change local plant data - QM

ZMATSP02 - Change sales organization purchasing data

ZMATWM02 - Change local plant data - storage/warehouse

ZMAT06 - Set deletion flag

Transcoding of some data elements

MDG will manage the data of 2 different systems: RCS and PF2. There will be some instances where a code, such as Plant Blocking code "Z0", is used in both systems but have different meanings in the respective systems. In this example a new blocking code "ZD" will be used in MDG. A trans-code table will convert the "ZD" to Z0 for when the data arrives in RCS and Z4 when it arrives in PF2.

New codes in MDG will be created with the number beginning 3xxxxxx. This code will be the same in MDG and RCS/PF2.

Pre-Existing RCS/PF2 materials created before MDG implementation will **keep** their code in their respective **ERP** systems, but in MDG they will be assigned with a new number: 3xxxxxx.

There will be a trans-code table to convert these values **SM30: Z4R_MDG_T_TARSYS**

OTHER DATA TRANS-CODE

- Plant block
- Availability Check
- MRP Type
- Valuation class
- Material type (PF2)
- Division
-

Full transcoding table can be seen in [this link](#)

Receiver Determination

Receiver determination assigns work items created by the workflow to receiver groups based on a set of predefined attributes

The SAP receiver determination table accessible through SM30: Z4M_T_MAT_RCV

Business units currently in MDG:

CS - NOVE CARE

OG - OIL & GAS

PE - PEROXIDES (Solvay GBU; in Syensqo, only plant 4048)

CH - SPECIAL CHEM (Solvay GBU; in Syensqo, only plant 4048)

~~SD - SODA ASH (Solvay GBU)~~

Step assignment:

BA	Business Approver
DA	GBU Data Admin/Mgr
DF	Contributor Finance & Controlling
DP	Contributor Production Planning / MRP
DQ	Contributor Quality Management
DS	Contributor Storage - Warehouse Mgt
GD	Global Data Steward
PS	Product Steward / Regulatory Affairs
0	Requester step
RW	Reviewer step

Display View "MDG Material receiver determination table": Overview



MDG Material receiver determination table											
Type	Step	MTyp	B.U.	Dv	Prod	Ctr	PInt	Counter	Ob	User	Full Name
E	Q	ZFGI	CS	&	&	SE	&	3	US	GETIENNE	Ghyslaine ETIENNE
&	BA	ZFGI	CS	&	&	SE	&	4	US	KWALKER	Kirsty LONGLEY
&	BA	ZFGI	CS	&	&	SE	&	5	US	LSHI	Liuying SENG
&	BA	ZFGI	CS	&	&	SG	&	1	US	ALFOO	Ai Lin FOO
&	BA	ZFGI	CS	&	&	SG	&	2	US	ALFOO	Ai Lin FOO
&	BA	ZFGI	CS	&	&	SG	7703	1	US	YKIMBA	Yoomi (BA) YKIMBA
&	BA	ZFGI	CS	&	&	TH	&	1	US	KAKESRIS	Komson AKESRISAKUL
&	BA	ZFGI	CS	&	&	TR	&	1	US	FBENACHI	Fadia BENACHICH
&	BA	ZFGI	CS	&	&	TR	&	2	US	FLESSARD	Felix LESSARD
&	BA	ZFGI	CS	&	&	TR	&	3	US	GETIENNE	Ghyslaine ETIENNE
&	BA	ZFGI	CS	&	&	TR	&	4	US	KWALKER	Kirsty LONGLEY
&	BA	ZFGI	CS	&	&	TR	&	5	US	LSHI	Liuying SENG
&	BA	ZFGI	CS	&	&	US	&	1	US	US15722	Andrew NAUMANN
&	BA	ZFGI	CS	&	&	US	&	10	US	BBACHMAN	Benjamin BACHMAN
&	BA	ZFGI	CS	&	&	US	&	11	US	US15722	Andrew NAUMANN
&	BA	ZFGI	CS	&	&	US	&	2	US	PROLLASOBA	Peter (BA) Rollason

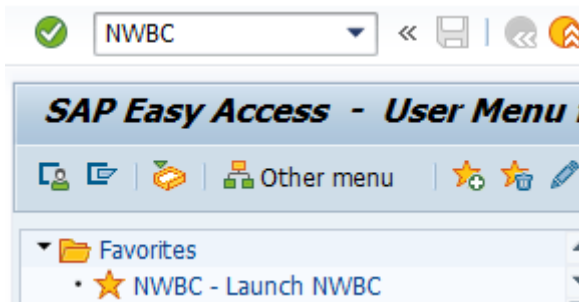
3. SAP MDG for Finished Goods Navigation

Connection to MDG system

It is necessary to find MDG Production System and connect the same way as to any other SAP system

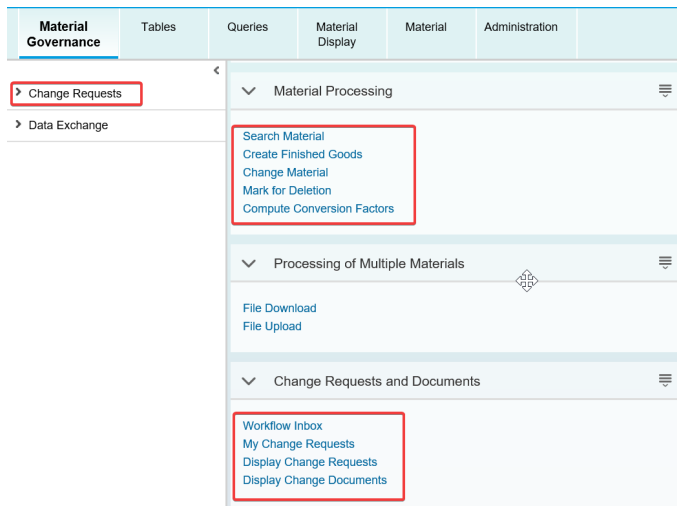
Name	System Descripti...
MDG - Production - MPG	
MDG - Development - MDG	
MDG - Quality - MQG	

Afterwards transaction NWBC should be entered and saved in favorites for easy access to MDG homepage in Internet Explorer



Homepage

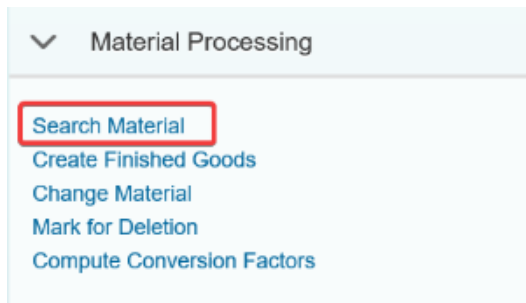
MDG homepage is being used to treat incoming Change requests, Maintain material data using requester role, create link between systems and other functions.



Search Function

As many materials have been loaded in MDG from target systems PF2 and WP2, MDG article number will differ from the one in the other SAP platform. However, there is a simple way to search for MDG or target system number.

By using search Material function, MDG number to be processed can be found this way:



Search method has to be changed to Remote Client Search if target system number is available and MDG number needs to be found.

In ID value, article number should be entered

Business system WP2_400 or PF2_020 has to be specified, after entering these values and pressing "Search" button, MDG number will be displayed below. By clicking on it, material change request can be opened right away if needed.

Search Method: Remote Client Key Search

Saved Searches: [Dropdown] [Icon]

Search Criteria

Business Object Type	is	[Dropdown]	[Icon]	[+]	[-]
ID Value	is	25975	[Icon]	[+]	[-]
Business System	is	WP1_400	[Icon]	[+]	[-]

Fuzzy Search: ☐

Maximum Number of Results: 100

[Search] [Clear Entries] [Reset to Default] Save Search As: [Dropdown] [Icon]

Result List: 1 material found

P..	Material	Description	Material Type	Base UoM	Material Group
	304632	RHODAFAC BP10 1400K...	ZFGI	KG	0450

Using the Enterprise Search Option, material can be found by description or MDG number.

Search Method: **Enterprise Search** ▼

Saved Searches: ▼ 

▼ Search Criteria

Search Term: +

Material ▼	is ▼		+ -
Industry sector ▼	is ▼		+ -
Description (medium text) ▼	is ▼		+ -

Fuzzy Search: ☐

Maximum Number of Results:

Search Clear Entries Reset to Default Save Search As: 

MDG – Material Display

Once material number has been found, it can be displayed by clicking on it and it will open a new Internet explorer window containing all material data.

All of the material data that you would typically find in MM03 transaction will be displayed in MDG.

Result List: 1 material found

 New  Copy  Mass Change  Multi-Processing ▼  Change Document				
	P..	Material	Description	Material Type
		304632	RHODAFAC BP10 1400K...	ZFGI

Remember, you can continue to display the master data in the RCS/PF2 system in transaction MM03.

Once Material is opened, data can be seen by sections or by using "Expand All" option, all available information will be visible at once.

 Save	 Cancel	 Edit	 Collapse all	 Expand all
---	--	--	--	--

- > Target System
- > Basic Data
- > Descriptions
- > Dimensions
- > Legal Control

Quick Navigation – You can navigate quickly using the Assignment Block at the top right of the page and choose necessary area where changes are needed.

Material: RHODAFAC BP10 1400KG IBC; Plant: 0214; Storage: BS01; Distribution Chain: GB34/06

Assignment Block: Plant: Purchasing

Plants

Add Copy Discard

Marked for Delete	Plant	Description (medium text)
☐	0214	6068 Oldbury
☒	7851	8090 Ospiate Di Bollate
☐	8701	6066 Samutprakarn (Bangpoo)

Plant: General Data Edit

Plant: Purchasing

To immediately start editing all of the available data click on the **edit** button in the header.

You can launch the Material MAINTENANCE PROCESS this way or you can return to the homepage by closing the window if no changes are required.

Data Exceptions to be maintained directly in RCS or PF2

Classification data views (direct maintenance)

Commodity code in Foreign trade views (GTS, or direct maintenance).

Forecast views

Quality Management views (QA08)

Label data views (GLM).

Accounting/Costing

The ZPRC (PRCOM) material will be created directly in MDG (MM01) by GBU Data Steward from WP2 or by Data Operations for PF2 GBU's that don't have a WP2 Data Steward (Example Soda Ash and Peroxides) without the classification view. It will be automatically transferred into WP2 as soon as it is created, changed, deleted.

4. ZMAT01 - MDG – Creation Workflow: Requester

To submit a new creation request it can be done through MDG Homepage by choosing option Create Finished Goods

Material Processing

Search Material

Create Finished Goods

Change Material

Mark for Deletion

Compute Conversion Factors

New window will open where plant, sales area and distribution channel has to be entered as a minimum. On the right side Template option can be used to copy data from similar material from the same GBU.

Continue

Material

Material: _____

Organizational Levels

Plant: _____

Storage Location: _____

Sales Organization: _____

Distribution Channel: _____

Warehouse Number: _____

Storage Type: _____

View

* Change Request Type: ZMAT01

Material (Template)

Material: _____

Organizational Levels (Template)

Plant: _____

Storage Location: _____

Sales Organization: _____

Distribution Channel: _____

Warehouse Number: _____

Storage Type: _____

Version

Change Request: 0

If you do not enter any information here then the Plant and Sales Organization must be indicated in the following screen.

Distribution Chains Edit

Add Copy Discard

..	Marked for Delete	Country	Sales Organization	Sales Organization Des...	Distribution...
No data available					

Correct sales area can be chosen by clicking on the small arrow in the corner and choosing "Custom Filter" then option appears to enter necessary sales area, in the same way other missing data can be added such as plant, storage location, warehouse etc.

NOTE: the plant and sales organizations must belong to the same country. This is to reduce the complexity of the receiver determination.

Add Distribution Chain

Sales...	Sale...	Distri...	Distri...
0001	SOL...	11	ERP...
0005	SOL...	11	ERP...
0125	SOL...	11	ERP...
0134	PER...	11	ERP...
0143	SOL...	11	ERP...

1 < Back 1 2 3 4 5 Forward > 175

Add Cancel

Page Layout

Save Submit Cancel Edit Check Collapse all Expand all

Basic Data Edit Replication Status

General Data

Material: \$2192

*Business Unit:

*Base Unit of Measure:

Material Type: ZFGI Finished Products+Interm.

Industry Sector: C Chemical industry

Material Group:

Old Material Number:

Authorization Group: MDG

Cross-Plant Material Status:

Batch Management: ☒ Yes

Approved Batch Record Required... ☐ No

Save: save current status, you can exit and return to your request later.

Submit: if all mandatory data is completed you can submit. The request moves to the next step in the workflow.

Cancel: cancels the open request. You will have to close the open screen.

Edit: if you are viewing a material, or have opened a WF request waiting for your input you must click on Edit.

Check: will check that the data entered is valid and that no mandatory data is missed.

Collapse All: collapses all data sections

Expand All: expands all data sections

NOTE: The Material code \$2192 is a **temporary** number. It is **not** the final material code.

A description with **asterisk *** next to it means that the field is **mandatory**. You cannot submit until it is populated. The **orange box** means that the data is already entered by the system.

The Change request number is indicated. Note it for reference.

Change Request

General Notes Attachments

General Data

Change Request ID: 23719

*Description: Change Request Description

Priority:

Due Date:

Reason:

The description of the Request is optional and can be used to quickly describe the CR objective - **it is not the Material Description**.

It is possible to add additional information in **Notes and Attachments**. If you are going to WITHDRAW or RETURN a request then it is **mandatory** to add a note.

For Urgent and Emergency requests Priority can be added for a team to know if CR needs to be treated with priority.

5. Change request Handling by Data Operations Team

Currently 4 Global Business Units (GBU) are handled by Data Operations team in MDG system, all Change requests coming to the team are already approved by Business Approver*. Nevertheless, all the steps and information in MDG has to be validated by Global Data Steward which is our step, to insure data quality passing to the target system.

***Exception:** The GBU Data Stewards and Business Approvers of Special Chem and Peroxides GBU's do not have access to MPO to approve their steps in the material creation/extension/modification workflows. SCO Data Ops need to centralize the steps of BA and DA in MPO workflow for **plant 4048** and when you receive one of this steps for this plant and for an ECO material, you need to contact by email the corresponding GBU Data Steward to get their approval before moving forward with any request. The email with the approval needs to be saved as PDF and attached to the CR (attachments).

GBU	Scope	MatGroup	Contact	Email
Novecare (CS)	EMEA	0450	Peter Rollason	peter.rollason@syensqo.com
Novecare (CS)	LAM/NAM	0450	Kathy Dickinson	kathy.dickinson@syensqo.com
Novecare (CS)	NAM PF2	Z50	Marlene Islas	marlene.islas@syensqo.com
Novecare (CS)	RU PF2	Z50	~~Christina Weiser~~	~~christina.weiser@solway.com~~
Novecare (CS)	AR PF2	Z50	~~Pia Gatzembide~~	~~pia.gatzembide@solway.com~~
			Sandra Mansilla	sandra.mansilla@syensqo.com
Novecare (CS)	APAC	0450	Yoomi Kim	yoomi.kim@syensqo.com
Oil and Gas (OG)	WW	4050	~~Camila Guimaraes~~	~~camila.guimaraes2@solway.com~~
			Mark Farrales	mark.farrales@syensqo.com
			Donald Wright	donald.wright@syensqo.com
Peroxides (PE)	~~WW~~ APAC (plant 4048)	0450/ Z21	Adriano Almeida	adriano.almeida@solway.com
Special Chem (CH)	~~WW~~ APAC (plant 4048)	0450/ Z21	Sigita Pastare	sigita.pastare@solway.com
			Hélène Kirgis	helene.kirgis@solway.com
~~Soda Ash (SD)~~	~~EMEA + APAC~~	~~Z10 / Z11 / Z13~~	~~Anne DeWit~~	~~Anne.Dewit@solway.com~~
			~~Viviane Couvreur~~	~~viviane.couvreur@solway.com~~
				GBUSAandD-EU-DataAdministration@solway.com
~~Soda Ash (SD)~~	~~NAM~~	~~Z10 / Z11 / Z13~~	~~Kayla Torres~~	~~kayla.torres@solway.com~~

Change request Inbox can be accessed by pressing on "Change Requests" or "Workflow Inbox"

Material Governance
Tables
Queries
Material Display
Material
Administration

Change Requests
Data Exchange

Change Requests and Documents

Workflow Inbox
My Change Requests
Display Change Requests
Display Change Documents

Change requests currently available for approving will be displayed in the list, to open the request, please click on it and new window will open.

Change Requests (1)

Show Quick Criteria Maintenance

Change

View: [Standard View]
Process Change Request
Display Workflow Log
Complete Processing
Not Responsible
Complete
Resubmit
Forward
Assign To Me
Cancel Assignment
Substitution
Refresh
Print Version
Export

Subject	From	Sent On
Process Change Request 21154 (21154:SDN REG D *GRM CS1000 MVSH P)	BIANCA MARCELLE FRANCO DE CAVAGIONI	25.03.2020 14:43:09

Before starting to process Change request, Check button can be pressed to see what is missing for this specific change, errors will be helpful to detect what exactly is missing and in which area, after they can be corrected by pressing Edit button on the header level.

NOTE: CS extension requests for materials who need to be opened for EU sales or plant for the first time, need to be sent to **Regulatory Affairs** for approval, such option will be available in the header line.

Save
 Approve
 Send Back to Data Manager
 Cancel
 Edit
 Check
 Refresh

- Please provide data for mandatory field Packaging Type for Sales Organisation CGAT.
- Please provide data for mandatory field Quality Code for Sales Organisation CGAT.
- Please provide data for mandatory field Packaging Type for Sales Organisation CGDE.
- Please provide data for mandatory field Quality Code for Sales Organisation CGDE.
- Please provide data for mandatory field Tax classification
- Please provide data for mandatory field Acct assignment grm (sales org CGAT)

Change Request

In the Change Request view basic information about the request itself can be seen.

If the **notes** or **attachments** are added, it will have a number displayed next to it mentioning the amount of notes and attachments.

Each **Change request** has **ID** number which can be compared to a ticket number in the Freshdesk system.

In the **Reason** GBU for the material is indicated.

In the **CR Status** You can see in which step this request currently is displayed. Data Operations team will mostly receive Data Steward step with few exceptions.

Type of Change Request will always inform about the nature of changes, either its new creation, extension or update in Purchasing data or other options.

Change Request

General
 Notes
 Attachments

General Data	Process Data
Change Request ID: 21154	Status: Pending with Global Data Steward
Description: 21154:SDN REG D *GRM CS1000 MVSH P	Current Workitem: Processar pedido de modificação 21154 (21154:SDN REG D *G...
Priority: Normal	Created On/By: 10.03.2020 13:44:04 BIANCA MARCELLE...
Due Date: 12.03.2020	Changed On/By: 25.03.2020 14:43:09 Amanda PENG
Reason: SA&D-Finished goods	Type of Change Request: ZMAT02 Extend/Add Plant/Sales Area

Target System

In target system view RCS or PF2 number can be seen which is linked to MDG material code. In the example case Requester is extending MDG material already existing in PF2 system to WP2 plant therefore RCS number is not yet available because Change Request is not yet approved. Nevertheless, for new creations and extensions target system number will match with MDG code. Only historically loaded materials are keeping old system code.

Target System

Target ERP System	Target ERP Material Number
ERPRCS	
ERPSOLV	000000000000060202

Basic Data

There are several things to pay attention to maintaining material data.

Material number will be assigned by the system and will be displayed in General data.

Business Unit is always displayed, that determines all MDG Workflow for approvals and depending on that there are some rules to pay attention to in material setup.

Base unit of measure is mainly KG but can also be LB, sometimes new material code can be requested as a duplicate because of different Base Unit of measure.

Material Group:

PF2 GBU material - Zxx-xxxxx for PF2 and WP2

WP2 GBU material - 0450 if material is only created for WP2 plants/sales or Z50-xxxxx if material is created also for PF2 plants/sales (MDG will send for all Z50-xxxxx the code 0450 to WP2 code)

Mixing cases like Special Chem GBU -> GBU Special Chem is splitted between PF2 an WP2 so we follow the same rule:

Material group Z21, Z33, Z34 - Remains the same if material is extended to WP2 plants/sales

Material group 0450 - Is updated to Z50 if material is extended to PF2 plants

NOTE: Whenever new Z33 and Z34 material group is created and material extended to plant GAR, ZUNB material code needs to be created in WP2 system.

Old material Number is required for **CS** business unit, if it has RCS code available which differs from MDG code. For new creations it has to be removed as MDG code will match with RCS code.

Division codification is set up per RCS rules, PF2 code will be indicated in the brackets in the division name.

Best practice is to search division code by the name we can see in the target system.

General Data	
Material:	300075
Business Unit:	SD
* Base Unit of Measure:	KG Kilogram
Material Type:	ZFGI Finished Products+Intern.
Industry Sector:	C Chemical industry
* Material Group:	Z10-1 SDN REG D
Old Material Number:	
Authorization Group:	MDG
Cross-Plant Material Status:	
Batch Management:	☒ Yes
Approved Batch Record Required In...	☐ No
* Division:	AD SA DENSE NATURAL

Product Hierarchy is mandatory to be added when material is extended to PF2 system, if WP2 product is being extended to PF2, this field needs to be filled and hierarchy has to be found in PF2 system using transaction Z0R2 sorting by the division.

Generic Item Group Category is always NORM.

Material Group Packaging Materials is filled for WP2 system - 0005 for packed, 0001 for bulk codes.

Grouping

Product Hierarchy:	MK	SD NAT
* Generic Item Group Category:	NORI	Standard item
Material Group Packaging Materials:	0005	

Basic material is mandatory for WP2 material codes, for **CS** it is set up by **Sylvie Mazzon** for CS, **Viviane Couvreur** and **Anne DeWitt** for CH and by Data Operations for SD and PE.

Design Data

* Basic Material:	90070631
Production/Inspection Memo:	

Environmentally Relevant flag is always marked.

Dangerous Goods Indicator profile - in PF2 **000** for non dangerous and **001** for dangerous

in WP2 **Z00** for non dangerous, **GPP** for dangerous

Codes are mapped and if material exists in both systems, it does not need to be changed.

Environment

Environmentally Relevant:	☒ Yes
* Dangerous Goods Indicator Profile:	000

EAN code is mandatory when material is created for **SD** business unit in PF2 system.

EAN Category always HE

To find code which can be used, MARA table in SE16 transaction needs to be opened in PF2 and EAN code 5413735* entered, then the results need to be sorted in the descending order.

In the site <https://www.gs1.org/services/check-digit-calculator> last used EAN code has to be entered without the last digit (checking digit) and the last remaining number should be increased by +1

Meaning, if the last code was 5413735000859, number 9 is removed and code 541373500086 entered in the site for calculation and system gives code to copy to material master.

EAN code needs to be always inserted not only in the Base unit of measure but also on the handling package of the material, so for example if material is handled in Pallets you need to enter the SAME EAN code for the PAL.

GTIN/EAN

EAN/UPC:	
EAN Category:	Copy

[blocked URL](#)

Additional data are usually completed by the requester.

Additional Data

Period Ind. for SLED:	D Copy	Day
Total shelf life:		0
Min. Rem. Shelf Life:		0
Expiration Date:	B Copy	Expiration Date
Storage conditions:	Copy	
Temp. conditions:	Copy	

NET Weight is always 1 KG

Gross Weight is never the actual Gross Weight value, it needs to be a difference between Gross and Net Wt, usually pre-filled by requester as we do not have actual gross weight information.

Volume for CS GBU is 1,5 with unit CD3 is not filled by requester already.

Dimension

* Net Weight:	1,000	KG Copy	Kilogram
* Gross Weight:	1,037	KG	
Length:	0,000	Copy	
Width:	0,000		
Height:	0,000		
Volume:	0,000	Copy	

Material descriptions

Following languages are to be maintained

EN
PT
PL
JA
KO
ZH
Z9
ES
IT
DE
FR
NL

FI (PF2)

BG (PF2)

Descriptions Edit Copy		
Delete		
..	Language Key	Language
	EN	English
	ZH	Chinese
	TH	Thai
	KO	Korean
	AR	Arabic

Dimensions

Mandatory **Alternative units of measure** have to be added additionally to packaging and pallet units

CS:

1 KAI = 1KG

53892 LB = 24445 KG

1 TO = 1000 KG

SD WP2

1 KRE = 1KG

53892 LB = 24445 KG

1 TO = 1000 KG

PF2 system

53892 LB = 24445 KG

53892 1LB = 24445 KG

1 TO = 1000 KG

1000 VKG = 1000 KG

1000 1KG = 1000 KG

EAN code can also be added in here in the highlighted views

Dimensions Edit							
* Base Unit of Measure:		KG	Kilogram				
* Net Weight:		1,000	KG	Kilogram			
EAN/UPC:							
EAN Category:							

Alter...	Altern...	Alterna...	Base...	Base...	EAN/...	EAN...	EAN V...
1	KG	Kilogram	1	Kilogram			
1.000	1KG	kilogra...	1.000	Kilogram			
53.892	LB	Pound	24.445	Kilogram			
1	PAL	Pallet	1.000	Kilogram			
1	SF	Flexible...	1.000	Kilogram			

Details:		
Length:	0,000	
Width:	0,000	
Height:	0,000	
Volume:	0,000	
Gross Weight:	1,037	KG
Internal char no.:		
Lower-level unit:		
UoM of characteristic:		
Valuated Un:		No
Units of meas. usage:		Alternative unit of measure

Basic Data Text

Basic data text will be copied automatically to sales and Purchase order texts.

Purchasing Value Key is often missing in the next view, value Z1 needs to be added for PF2 or 0001 for WP2 system, values are mapped between themselves if material exists in both systems.

Purchasing

Edit

Purchasing

Order Unit:

1

Variable Purchase Order Unit:

1

Active

Purchasing Value Key:

Z1

1st Reminder/Expediter:

4

days

2nd Reminder/Expediter:

8

days

3rd Reminder/Expediter:

12

days

Value for Delivery Date Variance:

000

days

Underdelivery Tolerance:

0,0

%

Overdelivery Tolerance:

25,0

%

Minimum Delivery Quantity:

0,0

%

Unlimited Overdelivery Allowed:

Acknowledgment Requirement:

☒

Cross Distribution Chain Material status 61 and the date needs to be added for **CS** new creations, not to be changed for the rest of GBUs or extensions for **CS**

Transportation Group depends on Dangerous Goods indicator, for WP2 it is 0009 for dangerous packed or 0001 for non dangerous packed, 0003 for non dangerous Bulk and 0008 for the dangerous Bulk

PF2 system requires dangerous class in front of the code which should be provided by requester and can be checked in <http://productinformation.solvay.com/> by PROCOM number

▼

Sales

Edit

General Data

Cross-Distribution-Chain Material St...

61

Not avail. for sale

27.04.2020

Shipping

* Transportation Group:

NES

Non dang. pack Soda

It is important to find SDS sheet exactly to see Dangerous class information. it is stored in section 14th

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 **OPTALYS® 403 / SDS - INTERNATIONAL / UN COUNTRIES / EN**

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 MARTINEZ, Stephane - 11/13/2019 00:00:00 - 1 Mb - /Documentum/RCSEHS/EHS/2019/11/13/
Document in cache

If material is not regulated it is non dangerous and if it is dangerous, danger class will be indicated with a number.

SECTION 14: Transport information

IMDG

not regulated

IATA

not regulated

Distributions Chains/Sales Areas

Here all sales areas opened for material will be visible, to maintain data under sales area, it needs to be chosen by clicking in the left corner.

Distribution Chains Edit				
Add Copy Discard				
..	Marked for Delete	Sales Organization	Sales Organization Description	Distribution Channel
		0001	SOLVAY (SCH)	11

In this example, data are managed for Novecare (**CS**) business unit. CS sales areas in WP2 are to be filled with:

Minimum Order Quantity - Pallet weight (E.g. 800 KG pallet)

Minimum Delivery Quantity - Pallet weight (E.g. 800 KG pallet)

Delivery Unit - Packaging weight (E.g. 200 KG drum)

Rounding Profile - Z50%

For **PF2** sales areas only Delivery unit needs to be filled with the heaviest packaging available, usually pallet weight.

Nothing to be filled for Bulk codes in any of systems.

Distribution Chain: Sales
Edit

General Data

Sales Unit:

Distribution-Chain-Specific Material...

Delivering Plant:

Cash Discount: ☒

Quantity Stipulations

Minimum Order Quantity: 1000

Minimum Delivery Quantity: 1000

Delivery Unit: 1000

Rounding Profile: z50%

Product Hierarchy will be copied from general view, only mandatory in PF2 and used for Special Chemicals GBU in WP2

Account Assignment Group will be mostly F in WP2 but for some plants can be set to T - Trading. For PF2 system 24 for Purchased materials from other plants (Mexico, Argentina, Russia), 22 for Produced and 20 for trading.

Item Category Group NORM or ZMAN, indicated by requester.

Industrial Origin is mandatory for Mono-center products in PF2, Production plant needs to be indicated, can be found in table ETAB, transaction ZPRI.

Also mandatory for WP2 materials created in PF2 (plant in WP2 that produces the material and sell it to PF2 plant).

Packaging type - only for PF2 sales, packaging type of material (not a pallet)

Quality code - only for PF2 - always N

Control code - Mandatory for Brazil WP2, should be provided by requester

▼ Distribution Chain: Grouping 

Sales		Material	
Material Statistics Group:		Industrial Origin:	LNB  SUS-US /LONG BEACH SANT
Material Pricing Group:		* Packaging Type:	SF  FLEXIBLE CONTAINER
Product Hierarchy:	MK  SD NAT	* Quality Code:	N  NORMAL
* Accounting Assignment Group:	24  ERP Goods purchased	Export Method (China):	
* Item Category Group:	NORI  Standard item		

TAX data are to be maintained with 1

For BIR products in PF2 system should be 2 for Germany MWST

Except for Country FR, TAX Category LCFR. Tax class = A and LCIT in PF2 with 0

ZA MWST tax needs to be maintained with A as well

▼ Distribution Chain: Tax 

..	Country	Country Description	Tax Category	Tax Category Description	Tax Classification
	BE	BELGIUM	MWST	Output Tax	1
	BE	BELGIUM	WIA1	Input Tax Dest. Ctry	1
	BE	BELGIUM	WIA2	Output Tax Dep. Ctry	1
	BE	BELGIUM	WIA3	Output Tax Dest.Ctry	1
	NL	NETHERLANDS	MWST	Output Tax	1

Plants

All existing plant data will be visible here, to process plant data, respective line need to be selected by clicking on the left corner.

▼ Plants 

 Add  Copy  Discard

..	C...	Marked for Delete	Plant	Description (medium text)
			8791	7725 / Agunsa San Antonio
			GRM	SCHM-US /GREEN RIVER, WY

From Data operations side, only **Availability Check** needs to be filled if not indicated by requester.

Value can be copied from other plant in the same system, if it is a new creation, can be X7 for WP2 and 02 for PF2

Plant Specific Material status will be changed automatically when material number will be available in the target system and should be removed by controller after costing is ran.

▼ Plant: General Data 

General Data		Forecast Requirements	
Plant-Specific Material Status:		Period Indicator:	M  Monthly
* Profit Center:	8791  8791 Misc Soda Ash	ATP	
Batch Management:	☒ Yes	Total Replenishment Lead Time:	0
Documentation Required:	☐ No	* Availability Check Group:	Z3  Ord:Firm / Del:Firm

Material CFOP Category - only filled for Brazil with value 0

Control code - Mandatory for Brazil, should be provided by requester

Country of origin - Country of Industrial origin plant or Production plant which produces material

Region of Origin - Region of Industrial origin plant or Production plant which produces material

Plant: Foreign Trade  Edit

General Data

Material CFOP Category:		
Control Code:		
Country of Origin:		
Region of Origin:		

Purchasing group - should be provided by requester, but can be copied from another plant in the same country and system

Tax Indicator for Material always 1 for PF2, nothing to be filled for WP2

Plant: Purchasing  Edit

General Data

* Purchasing Group:		GWC	BR SODA ASH
Automatic Purchase Order Allowed:	☒		Flag set. Event has occurred.
Source List Requirement:	☐		No
* Tax Indicator for Material:		1	

In a similar way as transportation group, for PF2 system it needs to have dangerous class in front.

Material Freight Group - Contains dangerous class, packaging and business, in WP2 mandatory for US, for the rest not maintained

Loading group - Contains dangerous class and packaging (pallet, if product is on pallet), in WP2 0001 for Packed materials and 0002 for Bulk

Plant: Sales  Edit

General Data	Shipping Data
Material Freight Group: 	* Loading Group: 
NES/	NES/
N Dg Bag	Non dang. Loose Bag
	Base Quantity: 0,000 KG Kilogram

After Checking these views, CR can be checked for Errors again and approved.

After locals have completed MRP views, material will be available in SAP system and **Plant Specific material status** will be automatically updated to **Z1/Z2** - blocked material in PF2 and WP2 systems

It has been due to **Accounting and Costing** views not being manage in MDG system but directly in SAP, once controller has done the costing part, Z1 status will be removed manually by the person responsible.

QM view

After approving Plant extension or new material creation requests, You will often receive another CR step for Quality Management view.

This Request only needs to be submitted and no data are to be entered, this will only activate QM view in material master.

Aftersteps

After following CR types are complete: ZMAT01/ZMAT02/ZMATACT/ZMAT06, email is sent to plant controller based on PF2 and WP2 table **ZZF_T001W_MGT**

- MDG will automatically add plant status Z1/Z2 after plant creation or extension in target system, together with the creation date.

- Controllers must fill in the template and submit the ticket to Finance team.

- Later Finance or Controllers will remove Z1/Z2 code directly in PF2/WP2 when all is completed for accounting part;

- Table ZZF_T001W_MGT must be always updated in PF2/WP2 and the team responsible to do it is Finance team

6. Material deletion requests

There can be a request to delete material in sales, plant and client level. Requesters can submit deletion requests only country by country, therefore notes should be checked if material needs to be marked for deletion also at client level as in **Global Data** step all necessary views can be marked for deletion.

▼ Change Request  Edit

General **Notes(1)** Attachments

 New

Note

Delete material on all levels including client level.

To mark material for deletion in client level, following steps should be followed:

Mark for Deletion flag needs to be set;

X-plant matl status changed to **ZD** and validity date to **current day**.

▼ Basic Data  Edit Replication Status

General Data

Material: 302719

Business Unit: CH

Base Unit of Measure: KG Kilogram

Material Type: ZFGI Finished Products+Interm.

Industry Sector: C Chemical industry

Division: I2 RESIN H2O2 E-GRADE

Material Group: Z21-374... RESIN C YELLOW

Marked for Delete: ☒ Yes

X-plant matl status: ZD  Material deleted (Z4,z 17.08.2020 

Description update to *OBS* in front of material name for WP2 codes and ##### in the end of material name for PF2 articles.

▼ Descriptions  Edit  Copy

 Delete

..	Language Key	Language	Material Description
	EN	English	*OBS*RESIN C YELLOW *BB F50L PE
	ZH	Chinese	RESIN C YELLOW *BB F50L PE#####
	TH	Thai	RESIN C YELLOW *BB F50L PE

Sales general data need to be changed to:

Cross Distribution Chain material status to **61** and **today's date**.

▼ Sales  Edit

General Data

Cross-Distribution-Chain Material... 61  17.08.2020 

Remaining active plants need to be marked for deletion as well by:

Adding deletion flag mark in remaining active plants and sales areas;

Adding **ZD** and date to all plants;

Status **61** and date for all sales areas.

In case only specific sales area or plant needs to be marked for deletion, deletion mark ZD and 61 status needs to be applied only for necessary area.

7. Material Classification

Data Ops sets up classification for Novecare and Oil&Gas WP2 materials only. For that, firstly you will need to access WP2 system on transaction MM01 to enable Classification view, for which you will select 023 Batch for "Class type" and 008 as "Class", for both Novecare and Oil&Gas GBU's.

The screenshot shows the SAP Classification screen for material 321729. The title bar reads "Classification". Below the title bar, there are icons for saving and deleting. The "Object" section contains the following fields:

- Material: 321729
- Class Type: 023
- FRP-9CS 2950LB TOTE
- Batch

The "Assignments" section shows a table with the following data:

Class	Description	Sta...	S...	Icon	Itm
008	NOVE CARE	☐	1	✓	10

At the bottom, there is a toolbar with various icons and an "Entry" field showing "1 / 1".

8. Label Data

Update: For Novecare, the Label Data is updated by Data Stewards. So the process below can be skipped for Novecare(!).

After classification is setup, proceed to transaction MM02 and select "Label Data". You will populate "Primary Pack. Unit" with the main packaging unit for all regions, normally evidenced in the short description or provided by requester EX: FRP-9CS 2950LB **TOTE**.

The screenshot shows the SAP Change Material 321729 screen, specifically the "Label Data" tab. The title bar reads "Change Material 321729 (/Finished pdt & RM & SF)". Below the title bar, there are icons for saving, deleting, and checking screen data. The "Label Data" tab is selected, and the "General Data" section is visible. The "General Data" section contains the following fields:

- Brand Name
- Product Name
- Product Desc.
- Product Desc. 2
- Contents
- Primary Pack. Unit: TE Tote

Label specification (LAM not necessary)

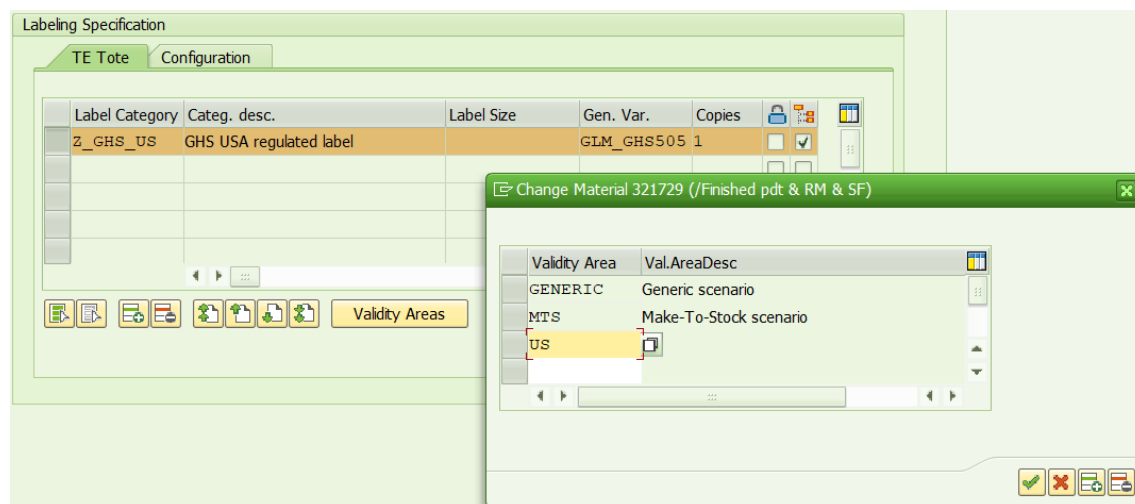
US standard label:

Label Category - Z_GHS_US

Gen. Var. - GLM_GHS505

Copies - 1

Validity Areas: GENERIC, MTS, US



- When material is GPP then also:

Label Category - Z_TRANS

Gen. Var. - GLM_TR_11

Copies - 1

Validity Areas: GENERIC, MTS

- When requested Customer label should also be inserted:

Label Category - Z_CUST

Gen. Var. - GLM_CUS_01

Copies - 1

Validity Areas: GENERIC

8.1. O&G Label Specifics

Same steps above should be executed with minor changes as given below on the label specifics. In order to identify whether the material is part of O&G or not, you can check for the following combinations:

- Distribution channels: 06, 0H, 9N, 9C
- Plants: 8218 Long Beach, 8219 Castanea, 8243 Shreveport, 0214 Oldbury, 8035 Hengchang.
- Requesters: from Michael Fernandez/Michele Grant/Alena Kim (in the US) or Jill Bucki (in the UK).
- Divisions:
 - VB MARCHEM [VB]
 - VA WSP [VA]
 - VC CHEMPLEX LOGISTICS
 - UZ CHEMPLEX [A0]
 - TM OIL PROD SURFACT[TM]
 - TF SOD HYPO
 - TL GENERIC O&G [QP]
 - E0 PHOSPHORUS DIV [ZQ]

For US the following should be applied:

	Label Category		Label Size	Gen. Var.	Copies	Val Area 1	Val Area 2	Val Area 3
Standard	Z_GHS_US	GHS USA regulated label	DTM_A4L_LEX		1	GENERIC	DELIVERY	MTS
GPP	Z_TRANS	Transport label		GLM_TR_11	1	GENERIC	DELIVERY	MTS

Please note that the new plants are: 4005 Melle; 4004 Clamecy replacing 7666 Melle and 7512 Clamecy respectively. The plant 7897 is for SCo and the corresponding ECo plant will be 4048.

9. Novecare and O&G GTS Classification

After the finalization of every material creation there is an additional step performed by Material Master Data Team related to Customs Export Classification of a material.

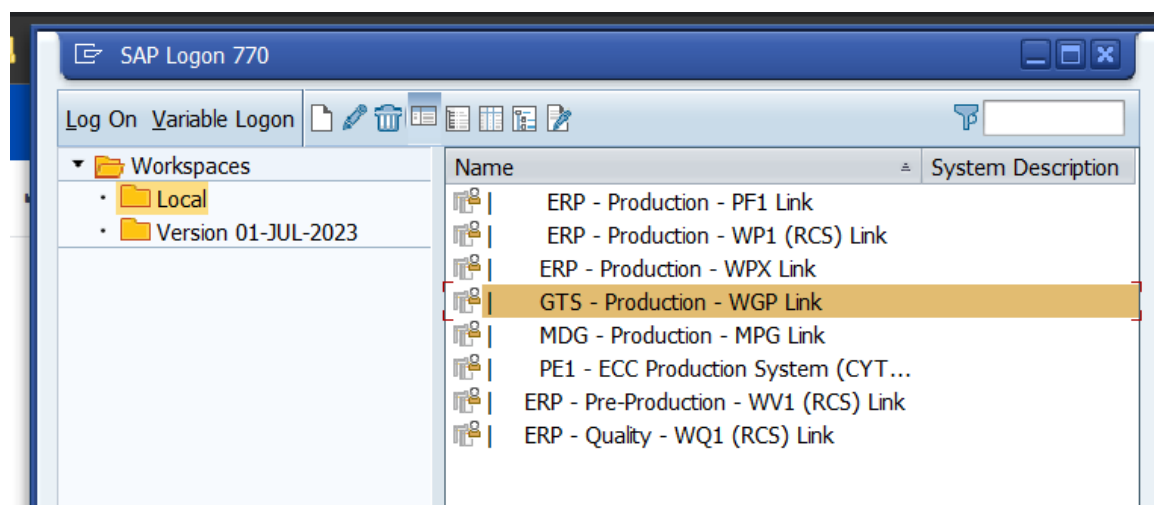
For finished / semi-finished materials, the GTS classification should be reviewed. Check the link below for more information:

<https://docs.google.com/presentation/d/1bPHEF2atMMloqil8ttyeWR9tmXpyMqieN6LvJgNc34o/edit?usp=sharing>

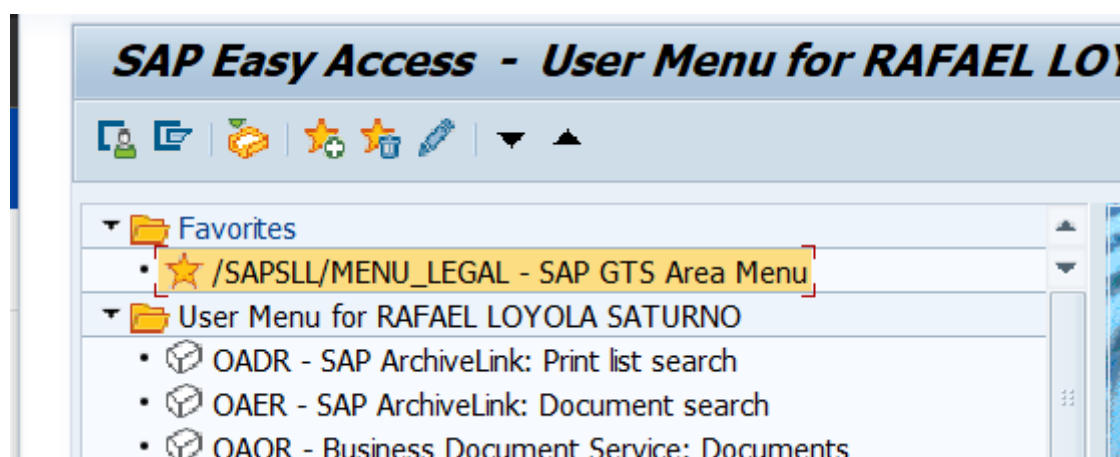
Note: If the process above is followed, no need to follow the process below(!).

For the correct information to be populated in the material classification the Oil & Gas Product Stewardship teams should be reached through the email address: admin-energysolutions.prodstew@solvay.com, after their feedback the following steps should be applied.

Access GTS system:



Click on SAP GTS Area Menu



Under the Compliance Management section click on Classification / Master Data



Under Export View for Customs Products click on the pencil button  to Maintain Products

Export View for Customs Products	
Classify via Worklist	
Delete Classifications via Worklist	
Maintain Products	
Reclassify Products Manually	
Reclassify Products from XML File	
Display Bill of Materials for Product	

Fill out:

- Logical System whether it's **SOLVAY** for PF2 or **RHOGTSNA** for WP2
- Legal Regulation
- Product Number

Change Products			
Product Selection			
Logical System Group	RHOGTSNA	to	
Product Number	323260	to	
Product Short Text		to	
General Data			
Product Created On		to	
Product Changed On		to	
Product Created By		to	
Product Changed By		to	
Product Status		to	
Legal Control			
Legal Regulation	EARUS	to	
Grouping		to	
Peculiarity Code		to	
No Control for Legal Control	☐	to	
Indiv.Product Maint.	☐	to	
☒ Legal Control Status: OK ☒ Legal Control Status: Not OK			

Click on menu tab Legal Control

Product		AEROSOL® OT-A ND SAMPLE
Product	323260	
Basic Data Additional characteristics Commercial Description Legal Control Prices and Values Re-Export Bill of Material		
Number		

Fill out the necessary information when applied ECCN, Peculiarity Code, No Control flag and hit save



		Product: 323260	AEROSOL® OT-A ND SAMPLE
Legal Regulation / Numbering Scheme ▾ Export Administration Regulations (Data Provider) • US Commerce Control List (ECCN) (Data Provider) Export/Dispat		Basic Data Additional characteristics Commercial Description Legal Control Prices and Values Re-Export	
Number ECCN Description			
Remarks on Classification Decision:			
Additional Data Grouping			
Peculiarity Code			
☐ No Control		☐ Individual maint.	
Attachments to Classification			

10. Error Handling

When a CR ends up in an error an email will be send to the admins stored in table Z4M_T_ADMIN. Then the admins will check into the reason for the error and then solve those issues according to the scenario. This happens when the CR status will be Final Check Rejected or an approver is missing for a step.