

Functional Template - Stock Movement Production Report

1.0 Overview

This reports is provides a synthesis of stock and planning elements.

You can find Actual from **past** inventory movements :

- Production
- Consumption
- Procurement
- Sales
- inventory

and **Future** planning from MRP elements :

- Planned Production
- Planned Consumption
- Planned Procurement
- Future Demand : Sales Orders + remaining Sales Forecast
- Projected Stock

Application User Profile

Describe the key User profiles that exist for the application.

General role/Viewer role:

Approver role:

Target Users:

As examples: Controllers / Accountants

VERSION	DATE	MODIFIED BY	DESCRIPTION
0.01	12/05/2023	Abidemi Raji	Initial draft

Application Type

Data Product Type

- Dashboard
- Report
- Advanced analytics
- AI
- Others <specify which one>

Technologies

- BW
- Tableau
- QlikSense
- Talend
- Dataiku
- Others <specify which one>

Data Sources

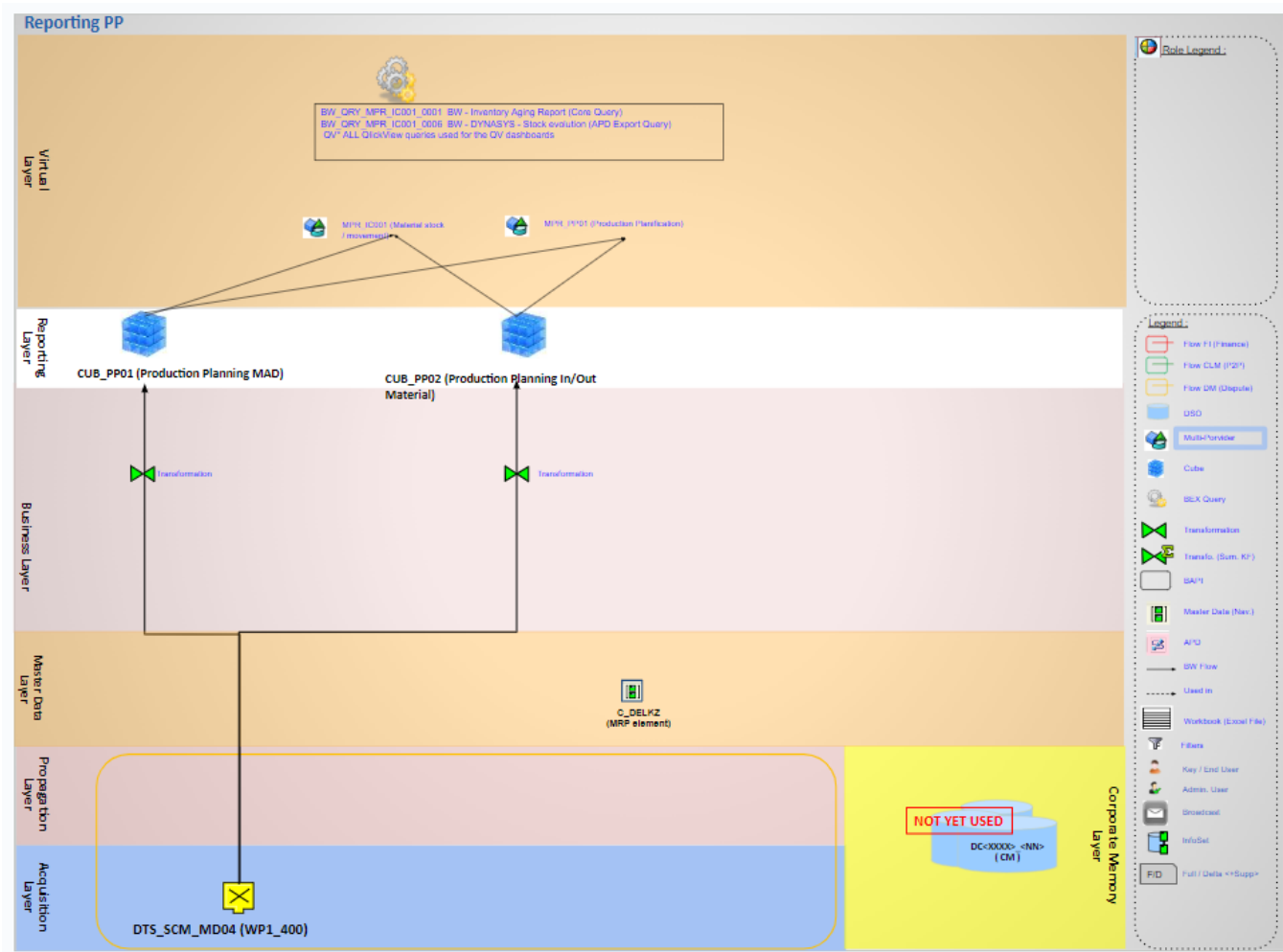
Note: list of all applications and various environment

- SAP PF1 (Production environment)
- SAP WP1
- SAP PI1
- BW (versions)
- iCare CRM
- CORE CRM
- Others <specify the name of the source>

2.0 Business Process

Capture the business process that the application supports . This can be describe through a process diagram or a business capability model

Stock Movement Reporting Manual:



3.0 Application Feature Overview

Information about the existent Workbooks and the respective BW queries.

Reports	Definition	Prompts	BW Workbook Query	Query Technical Name
---------	------------	---------	-------------------	----------------------

Query Name BW - Stock Movement Production (Core Query)		Mandatory: <ul style="list-style-type: none"> • Cal. year/month • Company Code Optional: <ul style="list-style-type: none"> • Plant • GBU • Business Unit • Product Line 00 • Material No. of Higher Assembly • Material • MRP Controller • Profit Center • Valuation Class • Ent Material Group • Convert Unit • Value Stream • Material Type • Auth Scope on Company Code • Target Curr. for conversion 	BW - Stock Movement Production (Core workbook) (BW_WBK_PP_0001) BW - Stock Movement All types (Core workbook) (BW_WBK_PP_0006)	BW_QRY_MPR_IC001_0013
---	--	---	---	-----------------------

Purpose of this query

This query allows to follow the **past** inventory movements with a supply chain view, to follow monthly, weekly or daily evolution of :

- Production
- Consumption
- Procurement
- Sales
- inventory (Qty, Value)

Application	PP - Production Planning
Query Name	BW - Stock Movement Production (Core Query)
Query Technical Name	BW_QRY_MPR_IC001_0013
Multi-Provider Name	Material Stock/Movement
Multi-Provider Technical Name	MPR_IC001
Names & Technical Names of Main Sub-Providers Used	Material Stocks (CUB_IC001) Material Movements (CUB_IC002)
Usage type	Direct execution in Analysis
Expected users	Controllers, Supply chain, Production Manager, Demand manager, Scheduling Manager , Planning manager.
Related workbooks	BW - Stock Movement Production (Core workbook) (BW_WBK_PP_0001) BW - Stock Movement All types (Core workbook) (BW_WBK_PP_0006)

Related Queries

Application	PP - Production Planning
Query Name	BW - Stock Mmvt with conversion (Core query)
Query Technical Name	BW_QRY_MPR_IC001_0063
Content	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Sélectionner tout <input checked="" type="checkbox"/> Global production <input checked="" type="checkbox"/> Global consumption <input checked="" type="checkbox"/> Neutralized production (LIP00) <input checked="" type="checkbox"/> Neutralized consumption (LIP00) <input checked="" type="checkbox"/> Global procurement <input checked="" type="checkbox"/> Global sales <input checked="" type="checkbox"/> Total stock (qty) <input type="checkbox"/> Total stock (Value)
Mandatory Prompt	<p>* Plant (Select Opt, Required) = <input type="text"/> <input type="button" value="v"/></p> <hr/> <p>* Cal. year/month (Interval, Mandatory)</p> <hr/> <p>* Company Code (Exit with sel) = <input type="text"/> <input type="button" value="v"/></p>
Application	PP - Production Planning
Query Name	BW - Stock Movement All Types (Core query)
Query Technical Name	BW_QRY_MPR_IC001_0014
Content	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Sélectionner tout <input checked="" type="checkbox"/> Global Production <input checked="" type="checkbox"/> Transfert Debit <input checked="" type="checkbox"/> Transfert Credit <input checked="" type="checkbox"/> Global Consumption <input checked="" type="checkbox"/> Neutralized Production (LIP00) <input checked="" type="checkbox"/> Neutralized Consumption (LIP00) <input checked="" type="checkbox"/> Global Procurement <input checked="" type="checkbox"/> Global Sales <input checked="" type="checkbox"/> Quantity Total Stock <input type="checkbox"/> ValStockValue
Mandatory Prompt	<p>* Cal. year/month (Interval, Mandatory)</p> <hr/> <p>* Company Code (Selection op) = <input type="text"/> <input type="button" value="v"/></p>

4.0 Functional Specification

4.1 General Data/Calculations

This section will approach the concepts/definitions that will be used in all the reports and required to understand the data from the reports.

Could be specific fields, closing activities, additional information to work and understand the reports.

4.2 Process Detail

4.2.1. Report/Process Definition

This section represents the process with detail information for the application. Can include specific or special cases, complex logics, calculations, flows, among others.

Neutralisation – How does it work ?

What is neutralisation

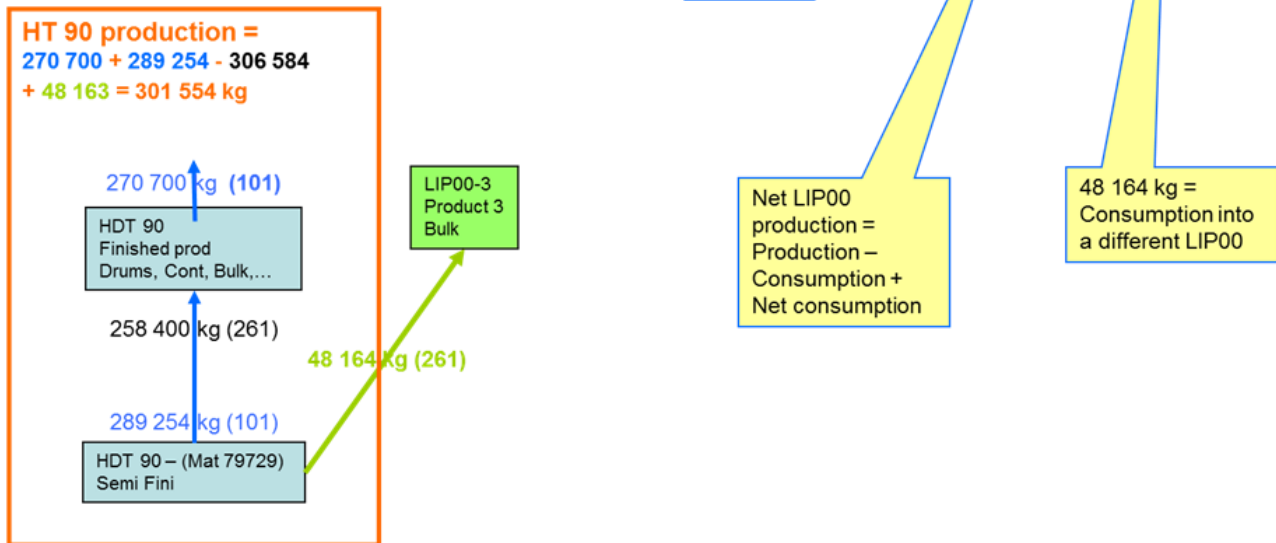
- Neutralisation is a calculation which avoids to aggregate some key figures for which a simple sum is not relevant

Why do we neutralise

- Neutralisation is required when a process order produces and consumes material which belong to the same group of material.
- Example : group of material = LIP00, where LIP00 is a code which defines the chemical product of a material
 - Packaging process orders
 - Unpacking process orders (Silica « Craquage », Salicylic acid in Roussillon)
 - Recycling or Rework process orders (only net qty needs to be counted)
 - Relotification process order

Neutralisation – Example on LIP0000924 = HDT 90

Plant		Production	Consumption	Net LIP00 production	Net LIP00 consumption
		Actual 06.2007	Actual 06.2007	Actual 06.2007	Actual 06.2007
▽ LIP0000924	HDT 90	559 954 KG	306 564 KG	301 554 KG	48 164 KG
10772	TOLONATE HDT 90 - STEEL CONTAINER 1 T	15 000 KG		15 000 KG	0 KG
10773	TOLONATE HDT 90 - BULK	50 100 KG		50 100 KG	0 KG
24923	TOLONATE HDT 90 - DRUM 225KG/PAL900KG	174 600 KG		174 600 KG	0 KG
72263	ISOCIANATO DT -FUT NOIR 200KG/PAL 800 KG	20 000 KG		20 000 KG	0 KG
72883	TOLONATE HDT 90 - CONT. PLASTIQUE 1 T	11 000 KG		11 000 KG	0 KG
79729	TOLONATE HDT 90 SEMI FINI	289 254 KG	306 564 KG	30 854 KG	48 164 KG



How do we neutralise ?

- First: Neutralized consumption = consumption into a material of another group
- Second: Neutralized production = Production - Consumption + Neutralized consumption

Selection Screen

Example:

1. Calendar Year/Month is mandatory (MM.YYYY) as well as Company Code (due to authorization)
2. Other prompts are optional.

* Cal. year/month (Interval, Mandatory)

* Company Code (Selection op

Characteristics and Key Figures available for Display and Drilldown

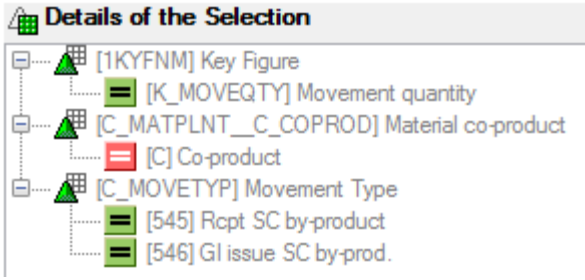
Characteristics

Name	TechName	Description
Plant	0PLANT	Displays Plant Code and Name
MPR Controller	C_MATPLNT__0MRP_CONTRL	Displays MPR Controller Code and Name
Work Center	0WORKCENTER	Displays Work Center Code and Name (Medium text)
Material Plant	C_MATPLNT	Displays Material Plant Code and Name
Key Figures		<input type="checkbox"/> Sélectionner tout <input checked="" type="checkbox"/> Global Production <input checked="" type="checkbox"/> Transfert Debit <input checked="" type="checkbox"/> Transfert Credit <input checked="" type="checkbox"/> Global Consumption <input checked="" type="checkbox"/> Neutralized Production (LIP00) <input checked="" type="checkbox"/> Neutralized Consumption (LIP00) <input checked="" type="checkbox"/> Global Procurement <input checked="" type="checkbox"/> Global Sales <input checked="" type="checkbox"/> Quantity Total Stock <input checked="" type="checkbox"/> ValStockValue

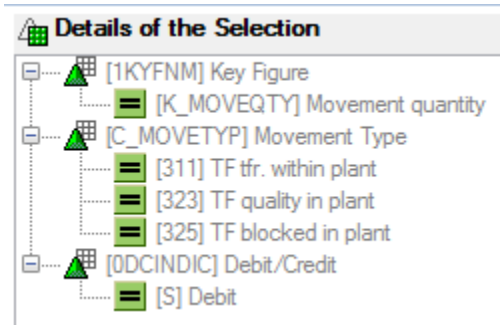
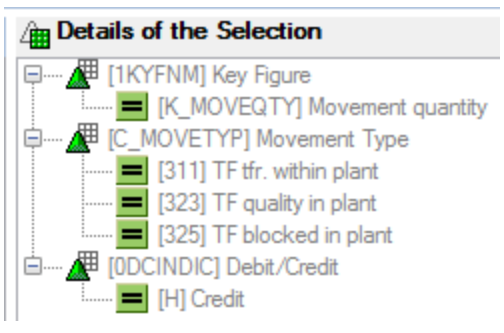
Key Figures : Production

Name	Description
Global Production	Internal Production + Sub Contacting Production
Internal Production	Principale Production + Co-product Production + By-product Production
Principale Production	<div style="border: 1px solid gray; padding: 5px;"> <p>Details of the Selection</p> <ul style="list-style-type: none"> <input type="checkbox"/> [1KYFNM] Key Figure <ul style="list-style-type: none"> <input checked="" type="checkbox"/> [K_MOVEQTY] Movement quantity <input type="checkbox"/> [C_KZBEW] Movement Indicator <ul style="list-style-type: none"> <input checked="" type="checkbox"/> [F] F <input type="checkbox"/> [C_MOVETYP] Movement Type <ul style="list-style-type: none"> <input checked="" type="checkbox"/> [101] GR goods receipt <input checked="" type="checkbox"/> [102] GR for PO reversal <input type="checkbox"/> [C_PRODORD__C_PPSUBC] Subcontracting Flag <ul style="list-style-type: none"> <input checked="" type="checkbox"/> [S] S </div>

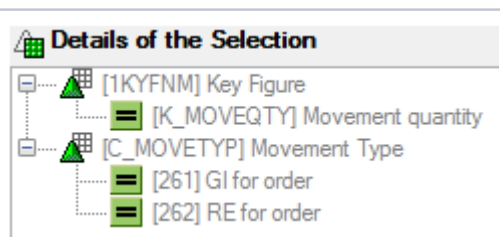
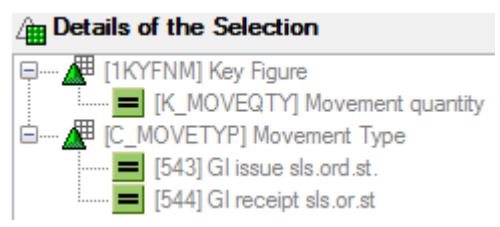
Co-product Production	<p>Details of the Selection</p> <ul style="list-style-type: none"> [1KYFNM] Key Figure <ul style="list-style-type: none"> [K_MOVEQTY] Movement quantity [C_MATPLNT__C_COPROD] Material co-product <ul style="list-style-type: none"> [C] Co-product [C_MOVETYP] Movement Type <ul style="list-style-type: none"> [531] Receipt by-product [532] RE by-product
By-product Production	<p>Details of the Selection</p> <ul style="list-style-type: none"> [1KYFNM] Key Figure <ul style="list-style-type: none"> [K_MOVEQTY] Movement quantity [C_MATPLNT__C_COPROD] Material co-product <ul style="list-style-type: none"> [C] Co-product [C_MOVETYP] Movement Type <ul style="list-style-type: none"> [531] Receipt by-product [532] RE by-product
Sub contracting production	Sub contractor Production MM + Sub contractor Production PP + Sub contractor Co product Production + Sub contractor By-product Production
Sub contractor Production MM	<p>Details of the Selection</p> <ul style="list-style-type: none"> [1KYFNM] Key Figure <ul style="list-style-type: none"> [K_MOVEQTY] Movement quantity [C_KZBEW] Movement Indicator <ul style="list-style-type: none"> [B] B [C_MOVETYP] Movement Type <ul style="list-style-type: none"> [101] GR goods receipt [102] GR for PO reversal [C_PSTYP] It.cate purch doc. <ul style="list-style-type: none"> [3] Subcontracting (L) [C_SOBKZ] Special stock indica <ul style="list-style-type: none"> [K] Consignment (vendor)
Sub contractor Production PP	<p>Details of the Selection</p> <ul style="list-style-type: none"> [1KYFNM] Key Figure <ul style="list-style-type: none"> [K_MOVEQTY] Movement quantity [C_KZBEW] Movement Indicator <ul style="list-style-type: none"> [F] F [C_MOVETYP] Movement Type <ul style="list-style-type: none"> [101] GR goods receipt [102] GR for PO reversal [C_PRODORD__C_PPSUBC] Subcontracting Flag <ul style="list-style-type: none"> [S] S
Sub contractor Co product Production	<p>Details of the Selection</p> <ul style="list-style-type: none"> [1KYFNM] Key Figure <ul style="list-style-type: none"> [K_MOVEQTY] Movement quantity [C_MATPLNT__C_COPROD] Material co-product <ul style="list-style-type: none"> [C] Co-product [C_MOVETYP] Movement Type <ul style="list-style-type: none"> [545] Rcpt SC by-product [546] GI issue SC by-prod.

Sub contractor By-product Production	 <p>Details of the Selection</p> <ul style="list-style-type: none"> [1KYFNM] Key Figure <ul style="list-style-type: none"> [K_MOVEQTY] Movement quantity [C_MATPLNT__C_COPROD] Material co-product <ul style="list-style-type: none"> [C] Co-product [C_MOVETYP] Movement Type <ul style="list-style-type: none"> [545] Rcpt SC by-product [546] GI issue SC by-prod.
--------------------------------------	--

Key Figures : Transfert

Name	Description
Transfert Debit	 <p>Details of the Selection</p> <ul style="list-style-type: none"> [1KYFNM] Key Figure <ul style="list-style-type: none"> [K_MOVEQTY] Movement quantity [C_MOVETYP] Movement Type <ul style="list-style-type: none"> [311] TF tfr. within plant [323] TF quality in plant [325] TF blocked in plant [0DCINDIC] Debit/Credit <ul style="list-style-type: none"> [S] Debit
Transfert Credit	 <p>Details of the Selection</p> <ul style="list-style-type: none"> [1KYFNM] Key Figure <ul style="list-style-type: none"> [K_MOVEQTY] Movement quantity [C_MOVETYP] Movement Type <ul style="list-style-type: none"> [311] TF tfr. within plant [323] TF quality in plant [325] TF blocked in plant [0DCINDIC] Debit/Credit <ul style="list-style-type: none"> [H] Credit

Key Figures : Consumption

Name	Description
Global consumption	Internal consumption + Sub contracting consumption
Internal consumption	 <p>Details of the Selection</p> <ul style="list-style-type: none"> [1KYFNM] Key Figure <ul style="list-style-type: none"> [K_MOVEQTY] Movement quantity [C_MOVETYP] Movement Type <ul style="list-style-type: none"> [261] GI for order [262] RE for order
Sub contracting consumption	 <p>Details of the Selection</p> <ul style="list-style-type: none"> [1KYFNM] Key Figure <ul style="list-style-type: none"> [K_MOVEQTY] Movement quantity [C_MOVETYP] Movement Type <ul style="list-style-type: none"> [543] GI issue sls.ord.st. [544] GI receipt sls.or.st

Key Figures : Neutralized Production and Consumption

Name	Description
Neutralized production (LIP00)	Principale Production + Co-product Production + By-product Production + Sub contractor Production PP + Sub contractor Co product Production + Sub contractor By-product Production - (Internal consumption + Sub contracting consumption) + Neutralized consumption (LIP00)
Neutralized consumption (LIP00)	<div style="border: 1px solid gray; padding: 5px;"> <p>Details of the Selection</p> <ul style="list-style-type: none"> [1KYFNM] Key Figure <ul style="list-style-type: none"> [K_CONSNEU] Actual LIP00 neutralized consumption [C_MOVETYP] Movement Type <ul style="list-style-type: none"> [261] GI for order [262] RE for order [543] GI issue sls.ord.st. [544] GI receipt sls.or.st </div>

Key Figures : Procurement

Name	Description
Global procurement	Procurement External + Procurement Inter Company + Procurement Intraco + Procurement Consignment
Procurement External	Procurement External (+) - Procurement External (-)
Procurement External (+)	<div style="border: 1px solid gray; padding: 5px;"> <p>Details of the Selection</p> <ul style="list-style-type: none"> [1KYFNM] Key Figure <ul style="list-style-type: none"> [K_MOVEQTY] Movement quantity [C_BSART1] Order type (Purch.) <ul style="list-style-type: none"> [UB] UB [LU] LU [C_KZBEW] Movement Indicator <ul style="list-style-type: none"> [B] B [C_MOVETYP] Movement Type <ul style="list-style-type: none"> [101] GR goods receipt [102] GR for PO reversal [C_RESWK] Supplying plant <ul style="list-style-type: none"> [#] # [C_PSTYP] lt.cate purch doc. <ul style="list-style-type: none"> [0] Standard [C_SOBKZ] Special stock indica <ul style="list-style-type: none"> [K] Consignment (vendor) </div>
Procurement External (-)	<div style="border: 1px solid gray; padding: 5px;"> <p>Details of the Selection</p> <ul style="list-style-type: none"> [1KYFNM] Key Figure <ul style="list-style-type: none"> [K_MOVEQTY] Movement quantity [C_BSART1] Order type (Purch.) <ul style="list-style-type: none"> [UB] UB [LU] LU [C_KZBEW] Movement Indicator <ul style="list-style-type: none"> [B] B [C_MOVETYP] Movement Type <ul style="list-style-type: none"> [122] RE return to vendor [123] RE rtm vendor rev. [C_RESWK] Supplying plant <ul style="list-style-type: none"> [#] # [C_PSTYP] lt.cate purch doc. <ul style="list-style-type: none"> [0] Standard [C_SOBKZ] Special stock indica <ul style="list-style-type: none"> [K] Consignment (vendor) </div>

Procurement Inter Company	Procurement Inter Company (+) - Procurement Inter Company (-)
Procurement Inter Company (+)	<p>Details of the Selection</p> <ul style="list-style-type: none"> [1KYFNM] Key Figure <ul style="list-style-type: none"> [K_MOVEQTY] Movement quantity [C_BSART1] Order type (Purch.) <ul style="list-style-type: none"> [NB] NB [C_KZBEW] Movement Indicator <ul style="list-style-type: none"> [B] B [C_MOVEQTY] Movement Type <ul style="list-style-type: none"> [101] GR goods receipt [102] GR for PO reversal [C_RESWK] Supplying plant <ul style="list-style-type: none"> [#] #
Procurement Inter Company (-)	<p>Details of the Selection</p> <ul style="list-style-type: none"> [1KYFNM] Key Figure <ul style="list-style-type: none"> [K_MOVEQTY] Movement quantity [C_BSART1] Order type (Purch.) <ul style="list-style-type: none"> [NB] NB [C_KZBEW] Movement Indicator <ul style="list-style-type: none"> [B] B [C_MOVEQTY] Movement Type <ul style="list-style-type: none"> [161] GR returns [162] GR rtms reversal [C_RESWK] Supplying plant <ul style="list-style-type: none"> [#] #
Procurement Intraco	Procurement Intraco (+) - Procurement Intraco (-)
Procurement Intraco (+)	<p>Details of the Selection</p> <ul style="list-style-type: none"> [0DCINDIC] Debit/Credit <ul style="list-style-type: none"> [S] Debit [1KYFNM] Key Figure <ul style="list-style-type: none"> [0QUANT_B] Qty in OUn [C_MOVEQTY] Movement Type <ul style="list-style-type: none"> [303] TF rem.fm.stor.to pl [641] TF to stck in trans. [647] TF to stck in trans. [672] TF to stck in trans. [678] TF to stck in trans.
Procurement Intraco (-)	<p>Details of the Selection</p> <ul style="list-style-type: none"> [0DCINDIC] Debit/Credit <ul style="list-style-type: none"> [H] Credit [1KYFNM] Key Figure <ul style="list-style-type: none"> [0QUANT_B] Qty in OUn [C_MOVEQTY] Movement Type <ul style="list-style-type: none"> [304] TR rem.fm.stor.to pl [642] TR to stck in trans. [648] TR to stck in trans. [671] TR to stck in trans. [677] TR to stck in trans.
Procurement Consignment	Procurement Consignment (without order) + Procurement Consignment (with order)

Procurement Consignment (without order)	<p>Details of the Selection</p> <ul style="list-style-type: none"> [C_MOVETYP] Movement Type <ul style="list-style-type: none"> [501] Receipt w/o PO [502] RE receipt w/o PO [1KYFNM] Key Figure <ul style="list-style-type: none"> [K_MOVEQTY] Movement quantity [C_SOBKZ] Special stock indica <ul style="list-style-type: none"> [K] Consignment (vendor)
Procurement Consignment (with order)	<p>Details of the Selection</p> <ul style="list-style-type: none"> [C_MOVETYP] Movement Type <ul style="list-style-type: none"> [102] GR for PO reversal [101] GR goods receipt [1KYFNM] Key Figure <ul style="list-style-type: none"> [K_MOVEQTY] Movement quantity [C_SOBKZ] Special stock indica <ul style="list-style-type: none"> [K] Consignment (vendor)

Key Figures : Sales

Name	Description
Global Sales	Sales External + Sales Inter Company + Sales Intraco + Sales Consignment
Sales External	Sales External (+) - Sales External (-)
Sales External (+)	<p>Details of the Selection</p> <ul style="list-style-type: none"> [1KYFNM] Key Figure <ul style="list-style-type: none"> [K_MOVEQTY] Movement quantity [C_MOVETYP] Movement Type <ul style="list-style-type: none"> [231] GI for sales order [232] RE for sales order [601] GD goods issue:delvy [602] RE goods deliv. rev.
Sales External (-)	<p>Details of the Selection</p> <ul style="list-style-type: none"> [1KYFNM] Key Figure <ul style="list-style-type: none"> [K_MOVEQTY] Movement quantity [C_MOVETYP] Movement Type <ul style="list-style-type: none"> [651] GD ret.del. returns [652] GD ret.del. retrn rev [653] GD returns unrestr. [654] GD returns unr. rev. [655] GD returns QI [656] GD returns QI rev. [657] GD returns blocked [658] GD returns blk. rev.
Sales Inter Company	Sales Inter Company (+) - Sales Inter Company (-)

Sales Inter Company (+)	<p>Details of the Selection</p> <ul style="list-style-type: none"> [1KYFNM] Key Figure <ul style="list-style-type: none"> [K_MOVEQTY] Movement quantity [C_MOVEQTY] Movement Type <ul style="list-style-type: none"> [643] TF to cross-company [644] TR to cross-company [645] TF cross company [646] TR cross company
Sales Inter Company (-)	<p>Details of the Selection</p> <ul style="list-style-type: none"> [1KYFNM] Key Figure <ul style="list-style-type: none"> [K_MOVEQTY] Movement quantity [C_MOVEQTY] Movement Type <ul style="list-style-type: none"> [673] TR to cross-company [674] TF to cross-company [675] TR cross company [676] TF cross company
Sales Intraco	Sales Intraco (+) - Sales Intraco (-)
Sales Intraco (+)	<p>Details of the Selection</p> <ul style="list-style-type: none"> [1KYFNM] Key Figure <ul style="list-style-type: none"> [0QUANT_B] Qty in OUn [C_MOVEQTY] Movement Type <ul style="list-style-type: none"> [303] TF rem.fm.stor.to pl [641] TF to stck in trans. [647] TF to stck in trans. [672] TF to stck in trans. [678] TF to stck in trans. [0DCINDIC] Debit/Credit <ul style="list-style-type: none"> [H] Credit
Sales Intraco (-)	<p>Details of the Selection</p> <ul style="list-style-type: none"> [1KYFNM] Key Figure <ul style="list-style-type: none"> [0QUANT_B] Qty in OUn [C_MOVEQTY] Movement Type <ul style="list-style-type: none"> [304] TR rem.fm.stor.to pl [642] TR to stck in trans. [648] TR to stck in trans. [671] TR to stck in trans. [677] TR to stck in trans. [0DCINDIC] Debit/Credit <ul style="list-style-type: none"> [S] Debit
Sales Consignment	Sales Consignment (+) - Sales Consignment (-)
Sales Consignment (+)	<p>Details of the Selection</p> <ul style="list-style-type: none"> [1KYFNM] Key Figure <ul style="list-style-type: none"> [0QUANT_B] Qty in OUn [C_MOVEQTY] Movement Type <ul style="list-style-type: none"> [631] GI consgmt: lending [0DCINDIC] Debit/Credit <ul style="list-style-type: none"> [H] Credit

Sales Consignment (-)	<p>Details of the Selection</p> <ul style="list-style-type: none"> [1KYFNM] Key Figure <ul style="list-style-type: none"> [0QUANT_B] Qty in OUn [C_MOVETYP] Movement Type <ul style="list-style-type: none"> [632] GI consgmt.ret.delvy [0DCINDIC] Debit/Credit <ul style="list-style-type: none"> [S] Debit
-------------------------	--

Key Figures : Quantity and Valuation Total Stock

Name	Description
0TOTALSTCK	Quantity Total Stock
Unrestr.-use stock (Unrestr + Quality Inspection)	<p>Details of the Selection</p> <ul style="list-style-type: none"> [0STOCKTYPE] Stock type <ul style="list-style-type: none"> [B] Quality Inspection [A] Unrestricted Use [1KYFNM] Key Figure <ul style="list-style-type: none"> [0TOTALSTCK] Quantity Total Stock
Unrestr.-use stock	<p>Details of the Selection</p> <ul style="list-style-type: none"> [0STOCKTYPE] Stock type <ul style="list-style-type: none"> [A] Unrestricted Use [1KYFNM] Key Figure <ul style="list-style-type: none"> [0TOTALSTCK] Quantity Total Stock
0QMSTOCK	Stock in Quality Inspection
0BLOCKEDSTK	Blocked Stock
0VALSTCKVAL	Valorised Stock Value
Unrestr.-use stock (Unrestr + Quality Inspection) (Value)	Unrestr.-use stock (value) + Q stock (value)
Unrestr.-use stock (value)	Valorised Stock Value * Unrestr.-use stock / Quantity Total Stock
Q stock (value)	Valorised Stock Value * Stock in Quality Inspection / Quantity Total Stock
Blocked stock (Value)	Valorised Stock Value * Blocked Stock / Quantity Total Stock

5.0 Non-functional Descriptions

Please populate the relevant section and delete those that are not applicable.

5.1 Usability

Usability is about the ease with which a User can learn to start using the solution and the ease with which they can use the system. In addition to ease of learning and ease of use, usability also includes areas such as ease of recall, error avoidance and handling, accessibility among others e.g., 99% of metadata entry Users who have use the Maintenance Dashboard should be able to change filters, extract etc., when required. Maintenance data will be centrally stored in the Google Cloud platform, which will be available to other applications e.g., and Dashboards if needed.

5.2 Regulatory Compliance

Software systems must comply with legal and regulatory e.g., GDPR requirements, this can change depending on country, organisation industry and / or region. The software systems must be secure from unauthorized access. The Maintenance Dashboard will comply with Solvay's regulations and compliance e.g., access only granted to authorized Users.

5.3 Security

Security refers to essential aspects that assure a solution and its components will be protected against unauthorized access or malware attacks. Important considerations related to security aspects of a system are User authentication, User authorization or User access privileges, data theft, malware attacks, data encryption, and maintaining audit trails, e.g., only Users with administrator access shall be able to create new accounts and assign data access privileges to the new accounts e.g.,

- All data will be encrypted in the dashboard
- Only authorised Users / Administrative Users will be able to access data.
- Maintenance data will be split between either SCO or ECO, and Users will only have authority to one Entity data.

5.4 Performance

Performance defines how fast a software system or a particular section of it responds to certain User actions under a certain workload. In most cases, this metric explains how long a User must wait before the target operation happens e.g., the page renders, a transaction is processed, etc., given the overall number of Users now. Performance requirements may describe background processes invisible to Users, e.g., backup and speed of data transfers.

5.5 Reliability

Reliability is the ability of a solution or its component to perform its required functions without failure under predefined conditions for a specified time / period. Reliability can possibly be specified in terms of average time system runs before failure occurs, percentage of operations completed successfully within a time / period, maximum acceptable failure probability, or number of failures within a period. Reliability aspects are in reference to (but not limited to) evaluation of the system to be considered as reliable, classification of reliability defining failures vs. regular failures, and the impact of failure on business operations. The Maintenance Dashboard will display data from the previous refresh of data.

5.6 Scalability

Scalability refers to the degree to which a solution can evolve to handle increased amounts of work. The increased amount of work could be in terms of the user base, transactions, data, network traffic, or other factors e.g., the system should be able to handle an additional load of a maximum of 5,000 Users every month for the next 6 months without any noticeable performance impacts.

5.7 Compatibility

Interoperability is the degree to which the solution is compatible with other components. It is a measure of how effectively the system interoperates with other software systems and how easily it integrates with external hardware devices.

Interoperability aspects to be discussed during elicitation are in reference to (but not limited to) software systems to be interfaced with along with data / messages to be exchanged and any standard data formats, hardware components to be integrated with, and any standard communication protocols to be followed e.g., Order Management system will push the order file into a secured file transfer protocol server from where it will be loaded into the system through a daily job. To guarantee between Google Cloud platform and SAP BW Queries e.g., BW_QRY_MVPMOR01_0002, Solvay has introduced a new tool called Xtract ([Xtract](#)).

5.8 Availability

Availability is the degree to which the solution is operable and accessible when required. It is a measure of time during which the system is fully operational e.g., available for use and sometimes included as a Service Level Agreement (SLA) considering its criticality to the business, e.g., the system shall be at least 99% available on weekdays between 09:00 to 18:30 Central European Time (CET).

5.9 Refresh of the Data

Frequency, data, and time of the data refresh in the data product.