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Icons

Icon	Meaning
	Caution
	Example
	Note
	Recommendation
	Syntax
	External Process
	Business Process Alternative/Decision Choice

Typographic Conventions

Type Style	Description
Example text	Words or characters that appear on the screen. These include field names, screen titles, pushbuttons as well as menu names, paths and options. Cross-references to other documentation.
Example text	Emphasized words or phrases in body text, titles of graphics and tables.
EXAMPLE TEXT	Names of elements in the system. These include report names, program names, transaction codes, table names, and individual key words of a programming language, when surrounded by body text, for example, SELECT and INCLUDE.
`Example text`	Screen output. This includes file and directory names and their paths, messages, source code, names of variables and parameters as well as names of installation, upgrade and database tools.
`EXAMPLE TEXT`	Keys on the keyboard, for example, function keys (such as `F2`) or the `ENTER` key.
`Example text`	Exact user entry. These are words or characters that you enter in the system exactly as they appear in the documentation.
`<Example text>`	Variable user entry. Pointed brackets indicate that you replace these words and characters with appropriate entries.

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Repetitive Manufacturing with Co-Products and QM

1 Purpose

The continuous production business process reflects a production methodology in the process industry in which a certain product is made without changes over a longer time span (at least one week and up to several years) on one production line. In the event of requirement fluctuations, it is possible to switch off the line or parts of it for a certain time. Consequently this production method means detaching production from sales orders (make to stock). Raw materials for production are also provided without reference to an order (for example, pipeline, and tank). This results in minimum effort both for planning and controlling the production process and for raw material requirements planning.

In SAP Best Practices for Chemicals, continuous production is used to make the semi finished product SAPulat neutral on a continuous basis. This semi finished product goes into the production of SAPulat, but it can also be sold directly via Tank Trailer Processing. Requirement fluctuations are cushioned via a storage facility.

Raw materials are procured by means of consumption-based material requirements planning. The quality is inspected while operations are in progress.

The characteristics of continuous production (long runs) are:

- The product is produced in a continuous process over a long time (in particular single-product lines).
- Component materials are provided constantly, and the finished product is constantly being completed.
- Production is handled via run schedule headers.
- Rough capacity leveling and continuous planning of consumption are possible by means of the planning table.
- Summary confirmation of quantities, times and material withdrawals.
- Partial confirmations are used for progress monitoring.
- Retroactive withdrawal is used.

2 Prerequisites

2.1 Master Data and Organizational Data

Default Values

In the implementation phase, essential master and organizational data was created in your ERP system. For example, such as the data that reflects the organizational structure of your company

and master data that suits its operational focus (master data for materials, vendors, and customers).

The business process is enabled with this organization-specific master data, examples are provided in the next section.

Additional Default Values

You can test the scenario with other SAP Best Practices default values that have the same characteristics.

Check your SAP ECC system to find out which other material master data exists.

Using Your Own Master Data

You can also use customized values for any material or organizational data for which you have created master data. For more information, see the Master Data Procedures documentation.

Use the following master data in the process steps described in this document:

Manufacturing / Trading

Production Plant

Master / Org. data	Value	Master / Org. data details	Comments
Material	CH-2200	Bulk material	
Material	CH-1410	Pipeline material	
Material	CH-1420	Raw material	
Material	CH-1430	Raw material	
Material	CH-7100	By-product	
Material	CH-9100	Co-product	
Plant	1000	Plant 1	

Bill of Material Structure

This overview shows the bill of material structure and the usage of each component.

Material	Level	Material type	Unit	Characteristic of material
CH-2200	0	Bulk material	KG	
CH-1410	1	Pipeline material	M3	
CH-1420	1	Raw material	KG	
CH-1430	1	Raw material	KG	
CH-7100	1	By-product	KG	
CH-9100	1	Co-product	KG	

2.2 Business Conditions

The business process described in this *Business Process Documentation (BPD)* is part of a bigger chain of integrated business processes or scenarios. As a result, you must have completed the following processes and fulfilled the following business conditions before you can start any activities in this scenario:

Business condition	Document
Costing run needs to be carried out	Final Steps documentation
Check and change MM period to current period	Final Steps documentation
Initial stock postings	Final Steps documentation

2.3 Roles

Use

The following roles must have already been installed to test this scenario in the SAP Netweaver Business Client (NWBC). The roles in this Business Process Documentation must be assigned

to the user or users testing this scenario. You only need these roles if you are using the NWBC interface. You do not need these roles if you are using the standard SAP GUI.

Prerequisites

The business roles have been assigned to the user who is testing this scenario.

Business role	Technical name	Process step
Employee (Professional User)	SAP_NBPR_EMPLOYEE-S	Assignment of this role is necessary for basic functionality.
Production Planner	SAP_NBPR_PRODPLANNER-S	Create Planned Independent Requirements Operative MRP Planning Table
Shop Floor Specialist	SAP_NBPR_SHOPFLOOR-S	Repetitive Manufacturing Backflush
Quality Specialist	SAP_NBPR_QUALMGR-S	Process inspection lots Record results Usage decision

3 Process Overview Table

Process step	External process reference	Business condition	Business role	Trans-action code	Expected results
Planning Table			Production Planner	MF50	Planned material production on production lines
Repetitive Manufacturing Backflush			Shop Floor	MFBF	Semi finished material 'received' into stock and raw materials 'issued' from stock
Quality Management			Quality Management	MFPR	Process inspection lots
Quality Management			Quality Management	QE51N	Record results
Quality Management			Quality Management	QA11	Usage decision
Period End ('Plant)	*Period End Closing "General" Plant (181)*	*See Period End Closing ('Plant) scenario*	*See Period End Closing ('Plant) scenario*	*See Period End Closing ('Plant) scenario*	*See Period End Closing ('Plant) scenario*

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