



Key User Training Document

PP_FEED102 Work Center Maintenance

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Course Information

AROUND



Course ID	PP_FEED102
Course Description	Work Center Maintenance
Course Duration	2 Hrs.
Course Pre-requisite	N/A
Course Objective (วัตถุประสงค์)	To understand concept of Production BOM
Table of Content	• Create Work Center • Change / Display Work Center
Output	The trainees understand concepts of Work Center and able to execute the related function.

Course Outline

AROUND



Cause Overview

Work Center Overview

Create Work Center

Display Work Center

Change Work Center

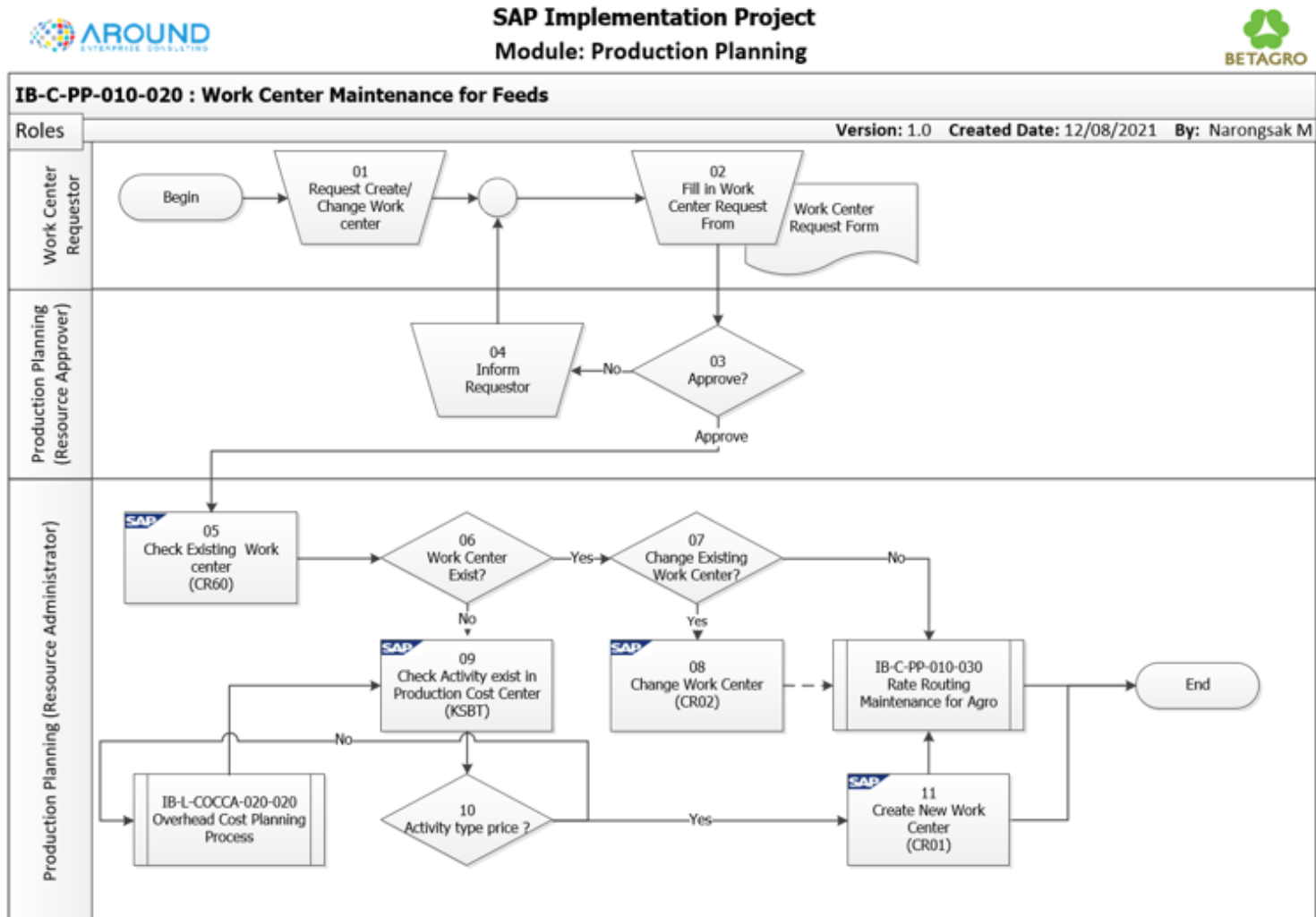
Report for Work Center

Q&A

Business Process IB-C-PP-010-020

Work Center Maintenance for Agro

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Course Outline

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Cause Overview

Work Center Overview

Create Work Center

Display Work Center

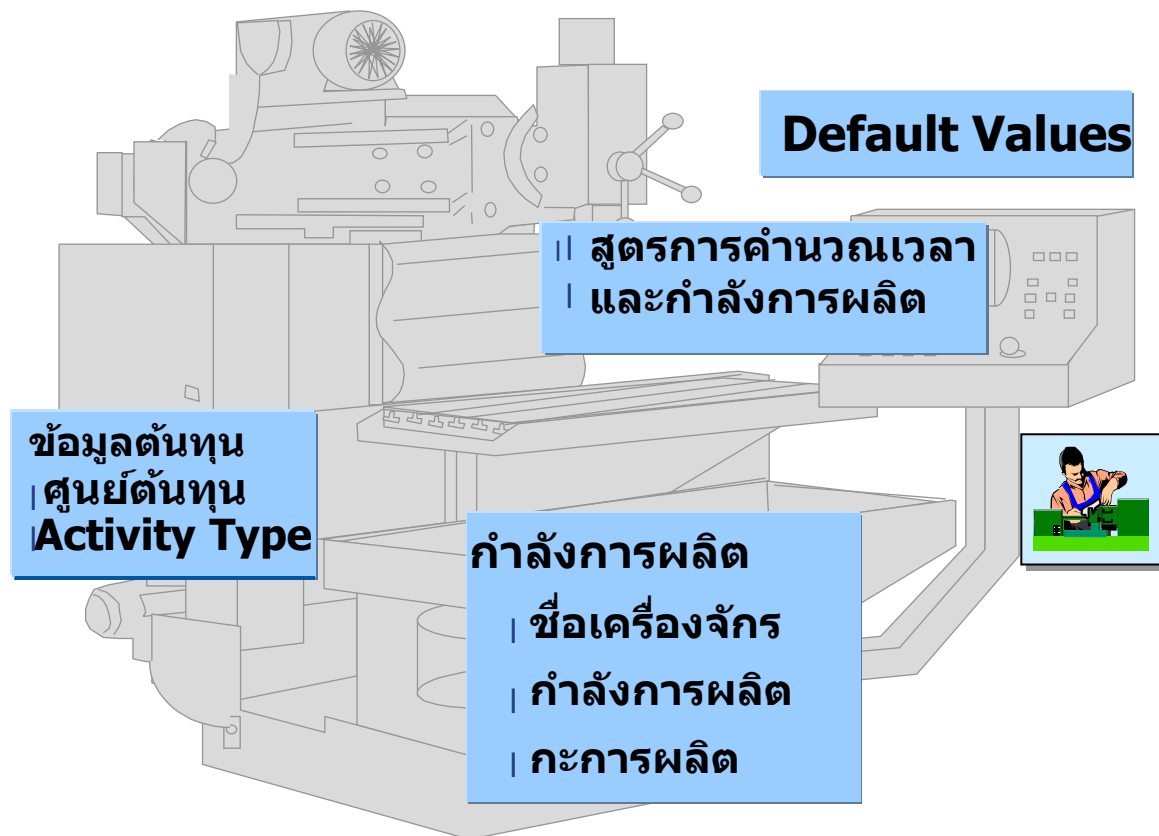
Change Work Center

Report for Work Center

Q&A

Work Center: Overview

AROUND

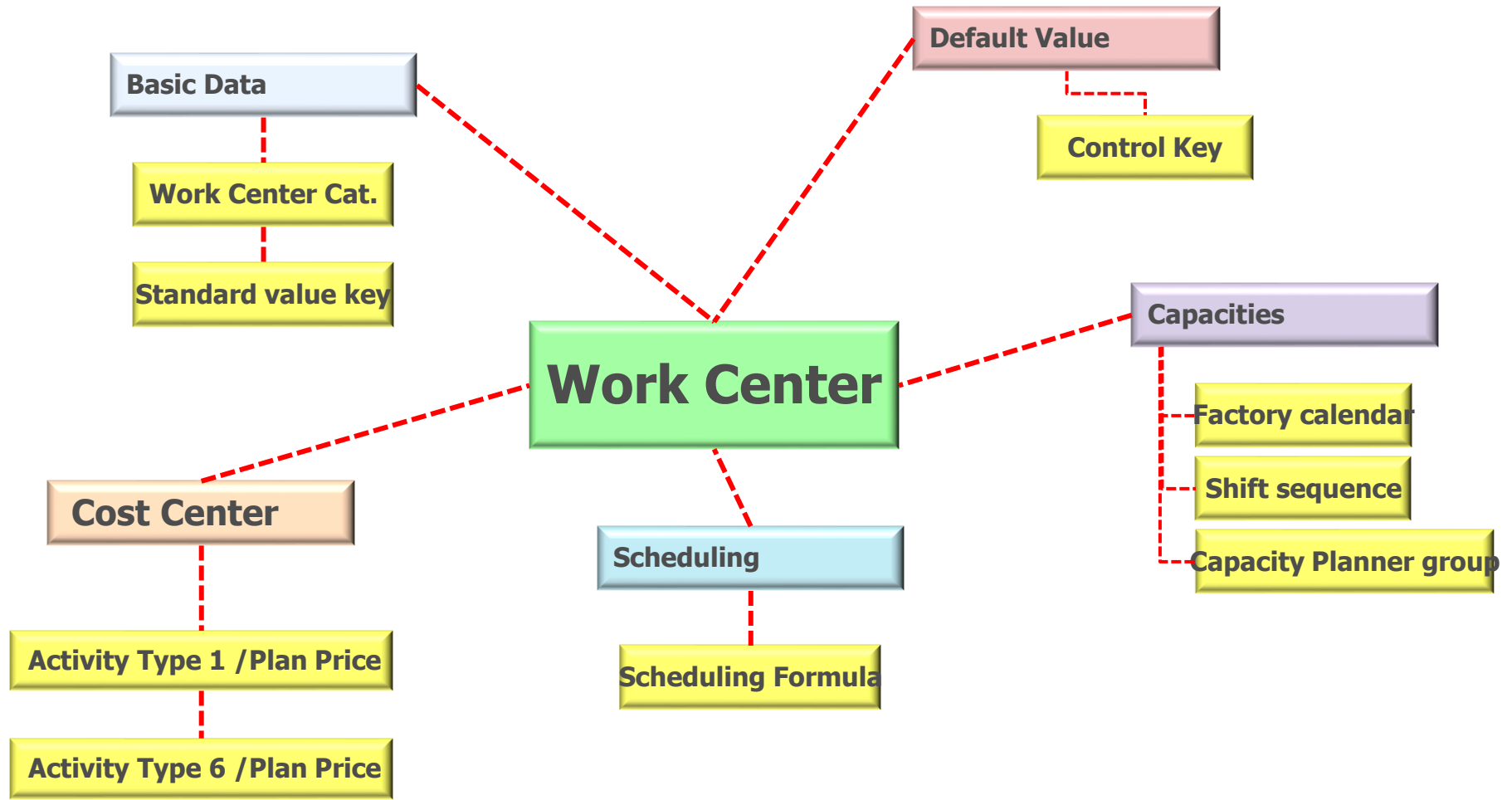


ข้อมูล work center ใช้เพื่อ

- ใช้ในการประเมินกำลังการผลิต
- การวางแผนการผลิตโดยคำนึงถึงกำลังการผลิต (Finite Scheduling)
- เป็นข้อมูลบอกรายละเอียดของเครื่องจักร

Work Center: Overview

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Work Center: Key Data Structure

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Work Center Code



Character	Description
AAA	Type of machine / Line
NNN	Running No.

Example.

GPR001 = Pre-Grinding 1

GPR002 = Pre-Grinding 2

GRP003 = Pre-Grinding 3

PEL001 = Pellet 1

PEL002 = Pellet 2

Work Center: Transactions

AROUND



การจัดการข้อมูลพื้นฐานของ Work Center ประกอบด้วย

T-Code: **CR01**

Create Work Center

T-Code: **CR02**

Change Work Center

T-Code: **CR03**

Display Work Center

T-Code: **CR60**

Report Work Center

T-Code: **CR06**

Assignment of Work Centers to Cost Centers

T-Code: **CA80**

Work Center Where-Used

Course Outline

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Cause Overview

Work Center Overview

Create Work Center

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Report for Work Center

Q&A

Work Center: Transactions

CR01 – Work Center Creation

AROUND



Work center Edit Goto Extras System Help

✓ [Dropdown] << [Icons]

Create Work Center: Initial Screen

Basic Data

Plant A9C1 1

Work center GPR004 2

Basic data

Work Center Category 0007 3

Copy from:

Plant [Field]

Work Center [Field]

1. **Plant** : ระบุรหัส Plant ที่ต้องการสร้าง Work Center
 2. **Work Center** ระบุรหัส Work Center ที่ต้องการ
 3. **Work Center Category** ระบุ "0007" เท่านั้นสำหรับ Feed
- กด Enter

Work Center: Transactions

CR01 – Work Center Creation

AROUND



Work center Edit Goto Extras System Help

Create Work Center: Basic Data

Template

Plant A9C1 BGC-Feed mill

Work center GPR004 Grinding 4 4

Basic Data Default Values Capacities Scheduling Costing

General Data

Work Center Category 0007 5

Person Responsible PD1 6

Location

QDR System

Supply Area

Usage 009 7

Backflush

Production line

Production

All task list types

Advanced Planning

Standard Value Maintenance

Standard Value Key ZAG1 8

Standard value for Agro

Standard Values Overview

Key Word	Rule for Maint.	K...	Description
Machine Time	no checking		
Labor Time	no checking		
OEE Time	no checking		
Overhead Time1	no checking		

Description Admin. data Classification Subsystems

- Description:** Define Work Center Description
- Work Center Category:** Fixed "0007 Production Line"
- Person Responsible:** Fixed "PD1 Production"
- Usage:** Fixed "009 All task list types"
- Standard Value Key:** Fixed "ZAG1 Standard value for Agro"

Work Center: Transactions

CR01 – Work Center Creation

Standard Value Key	Description	Standard Value	Unit	Activity Type
ZAG1	Standard value for Agro	Machine Time	MIN	X
		Labor Time	MIN	X
		OEE Time	MIN	X
		Overhead Time1	MIN	X

Work Center: Transactions

CR01 – Work Center Creation

AROUND



The screenshot shows the SAP Work Center Creation (CR01) - Default Values tab. The interface includes a menu bar (Work center, Edit, Goto, Extras, System, Help) and a toolbar. The main area is titled "Create Work Center: Default Values" and contains tabs for HR assignment, Hierarchy, and Template. The "Default Values" tab is active, showing fields for Plant (A9C1), Work center (GPR004), and BGC-Feed mill (Grinding 4). Below these are tabs for Basic Data, Default Values, Costing, Scheduling, and Costing. The "Default Values" tab is further divided into "Operation Default Values" and "Units of Measurement of Standard Values".

Step 9: The "Work center" field is highlighted with a red circle containing the number 9.

Step 10: The "Control key" field in the "Operation Default Values" section is highlighted with a red circle containing the number 10. The field contains the value "ZP00".

Step 11: The "Units of Measurement of Standard Values" table is highlighted with a red circle containing the number 11. The table has columns for Parameter, St..., and Unit Name. The rows are:

Parameter	St...	Unit Name
Machine Time	MIN	Minute
Labor Time	MIN	Minute
OEE Time	MIN	Minute
Overhead Time1	MIN	Minute

9. Go to tab "Default Values"

10. Control key: Define Control key (List of control key for this project explain in the next page)

11. Unit of Measurement of Standard Values: Define unit of measurement for each activities

Work Center: Transactions

CR01 – Work Center Creation

AROUND



Control Key	Description	Remark
ZP00	Confirmation	ระบบจะยืนยันยอดผลิตเฉพาะ Operation ที่ Work Center ใช้งานอยู่
ZP02	Confirmation (Milestone)	ระบบจะยืนยันยอดของ Operation ตัวเอง รวมถึง Operation ก่อนหน้าด้วย *โดยที่ Operation สุดท้ายจะต้องระบุ Control Key เป็น ZP02 *Operation ที่เป็นการ Interface จากระบบอื่นๆ จะต้องระบุ Control Key เป็น ZP02

Work Center: Transactions

CR01 – Work Center Creation

AROUND



The screenshot shows the SAP 'Create Work Center: Capacity Overview' transaction. The interface includes a menu bar (Work center, Edit, Goto, Extras, System, Help) and a toolbar. The main area is titled 'Create Work Center: Capacity Overview' and has tabs for 'HR assignment', 'Hierarchy', and 'Template'. Below these are input fields for 'Plant' (A9C1), 'Work center' (GPR004), 'BGC-Feed mill', and 'Grinding 4'. A red circle with the number 12 points to the 'Capacities' tab. The 'Capacities' tab is active, showing an 'Overview' section with a table of capacity categories. A red circle with the number 13 points to the 'Capacity category' field, which contains '001'. A red circle with the number 14 points to the 'Machine' field, which contains 'Grinding 4'. A red circle with the number 15 points to the 'Processing Formula' field, which contains 'Z0001'. A red circle with the number 16 points to the 'Capacity' button at the bottom of the screen. The 'Control CapacityReduction' section on the right has three dropdown menus, all set to 'Formula-Related'.

Capacity category	Machine
001	Grinding 4

Setup Formula	Prod.: Setup time
SAP001	Machine Time

Processing Formula	Machine Time
Z0001	

Teardown Formula	

Other Formula	

Distribution	

Int. dist. key	

Control CapacityReduction

Formula-Related
Formula-Related
Formula-Related
Formula-Related

Capacity Form. Formula Formula constraints ActCapReqmnts

12. Go to tab "Capacities"

13. **Capacity category:** Fixed "001 Machine"

14. **Setup Formula:** Fixed "SAP001 Prod.: Setup time"

15. **Processing Formula:** Fixed "Z0001 Machine Time"

16. Press Capacity

Work Center: Transactions

CR01 – Work Center Creation

AROUND



Work center Edit Goto Extras System Help

Change Work Center Capacity: Header

Intervals and Shifts Intervals Available Capacity Profile Reference Available Capacity Short Texts

Plant A9C1 BGC-Feed mill

Work center GPR004 Grinding 4

Capacity category 001 Grinding 4 17

General data 18

Capacity Responsible PN1 Capacity Planner

Pooled capacity ☐ Grouping ☐

Available capacity 19

Factory Calendar Z9 20

Active Version 1

Capacity Base Unit H 21

Normal available capacity Hour

Standard available capacity 22

Start Time 00:00:00

End Time 24:00:00 23

Length of breaks 00:00:00

Operating time 24.00

Capacity Utilization 100

No. Ind. Capacities 1

Capacity 24.00 H

Planning details

Relevant to Finite Scheduling ☒ Overload ☐ %

Can be used by several operations ☒ Long-term planning ☒

17. Define Capacity short text

18. **Capacity Responsible:** Fixed "PN1 Capacity Planner"

19. **Factory Calendar:** Fixed "Z9"

20. **Active Version:** Fixed "1 Normal available capacity"

21. **Capacity Base Unit:** Define Capacity Base Unit of Measure

22. **Start Time:** Define Start of the shift

23. **End Time:** Define End of the shift

Work Center: Transactions

CR01 – Work Center Creation

AROUND



Work center Edit Goto Extras System Help

30

Change Work Center Capacity: Header

Intervals and Shifts Intervals Available Capacity Profile Reference Available Capacity Short Texts

Plant A9C1 BGC-Feed mill
Work center GPR004 Grinding 4
Capacity category 001 Grinding 4

General data

Capacity Responsible PN1 Capacity Planner
Pooled capacity ☐ Grouping ☐

Available capacity

Factory Calendar 29
Active Version 1 Normal available capacity
Capacity Base Unit H Hour

Standard available capacity

Start Time 00:00:00
End Time 24:00:00 Capacity Utilization 100 24
Length of breaks 00:00:00 No. Ind. Capacities 1 25
Operating time 24.00 Capacity 24.00 H 26

Planning details

Relevant to Finite Scheduling ☒ Overload ☐ % 27
Can be used by several operations ☒ Long-term planning ☒ 28 29

24. Capacity Utilization: Fixed "100"

25. No. Ind. Capacities: Fixed "1"

26. Capacity unit: Define Capacity Unit of Measure (Fixed "H")

27. Relevant to Finite Scheduling: Flag ☒

28. Can be used by several operations: Flag ☒

29. Long-term planning: Flag ☒

30. Press

Work Center: Transactions

CR01 – Work Center Creation

AROUND



Work center Edit Goto Extras System Help

Create Work Center: Scheduling

HR assignment Hierarchy Template

Plant A9C1 BGC Feed mill
Work center GPR004

31

Basic Data Default Values Capacities Scheduling Costing

Scheduling basis

Capacity category 001 Machine
Capacity Grinding 4

32

Execution time

33 Duration of Setup SAP001 Prod.: Setup time
Processing Duration Z0001 Machine Time
Duration of Teardown
Int. Proc. Duration

34

Interoperation times

Location Group
Standard Queue Time Minimum Queue Time

Dimension and unit of measure of work

Work dimension
Work unit

Capacity Form. Formula Formula constraints

31. Go to tab "Scheduling"

32. **Capacity category:** Fixed "001 Machine"

33. **Duration of Setup:** Fixed "SAP001
Prod.: Setup time"

34. **Processing Duration:** Fixed "Z0001
Machine Time"

Work Center: Transactions

CR01 – Work Center Creation

AROUND



Work center Edit Goto Extras System Help

Create Work Center Cost Center Assignment

HR assignment Hierarchy Template

Plant A9C1 BGC-Feed mill
Work center GPR004 Grinding 4

Basic Data Default Values Capacities Scheduling Costing

Validity
Start date 17.11.2021 End Date 31.12.9999

Link to cost center/activity types
Controlling Area BTGG Betagro Inter Business
Cost Center 3500140111 PRD Pre Grinding

Activities Overview

Alt. Activity Text	Activity Type	Activity Unit	R...	Formul...	Formula description
Machine Time	PFDGD1	MIN	☐	Z0001	
Labor Time	PLD001	MIN	☐	Z0002	
OEE Time	PFOEE1	MIN	☐	Z0003	
Overhead Time1	POH001	MIN	☐	Z0004	

ActType Int.Proc.

Link to business process
Business Process
Incentive wages ind. Record Type Group

Form. Formula Formula constnts Validities

35. Go to tab "Costing"

36. **Start Date:** Define a date that identifies the start of a validity period.

37. **End Date:** Define a date that identifies the end of the validity period.

38. **Cost Center:** Define Cost Center

39. **Activity Type:** Define Activity Type

40. **Activity Unit:** Define Activity Unit

41. **Formula:** Define Formula

42. Press

Course Outline

AROUND



Cause Overview

Work Center Overview

Create Work Center

Display Work Center

Change Work Center

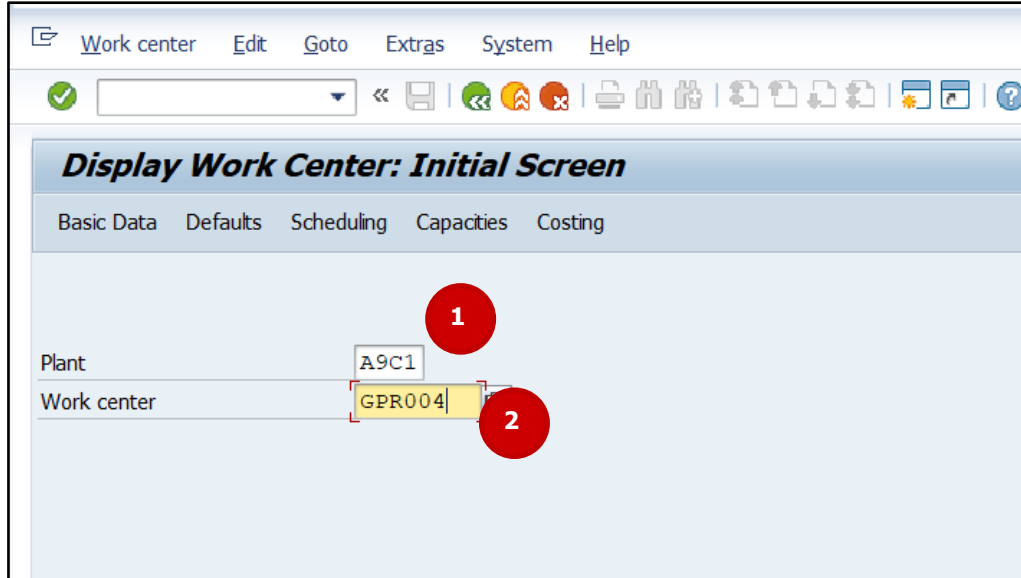
Report for Work Center

Q&A

Work Center: Transactions

CR03 – Display Work Center

AROUND

A screenshot of the SAP 'Display Work Center: Initial Screen' transaction. The interface includes a menu bar with 'Work center', 'Edit', 'Goto', 'Extras', 'System', and 'Help'. Below the menu is a toolbar with various icons. The main area has a title bar 'Display Work Center: Initial Screen' and a tab bar with 'Basic Data', 'Defaults', 'Scheduling', 'Capacities', and 'Costing'. The 'Basic Data' tab is active, showing a form with two fields: 'Plant' and 'Work center'. The 'Plant' field contains the value 'A9C1' and is highlighted with a red circle containing the number '1'. The 'Work center' field contains the value 'GPR004' and is highlighted with a red circle containing the number '2'.

1. **Plant:** Define Plant
2. **Work Center:** Define Work Center

Work Center: Transactions

CR03 – Display Work Center

AROUND



Work center Edit Goto Extras System Help

Display Work Center: Basic Data

HR assignment Hierarchy

Plant A9C1 BGC-Feed mill
Work center GPR004 Grinding 4

Basic Data Default Values Capacities Scheduling Costing

General Data

Work Center Category 0007 Production line
Person Responsible PD1 Production
Location
QDR System
Supply Area
Usage 009 All task list types
Backflush Advanced Planning

Standard Value Maintenance

Standard Value Key ZAG1 Standard value for Agro

Standard Values Overview

Key Word	Rule for Maint.	K...	Description
Machine Time	no checking		
Labor Time	no checking		
OEE Time	no checking		
Overhead Time1	no checking		

Description Admin. data Classification Subsystems

Course Outline

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Cause Overview

Work Center Overview

Create Work Center

Display Work Center

Change Work Center

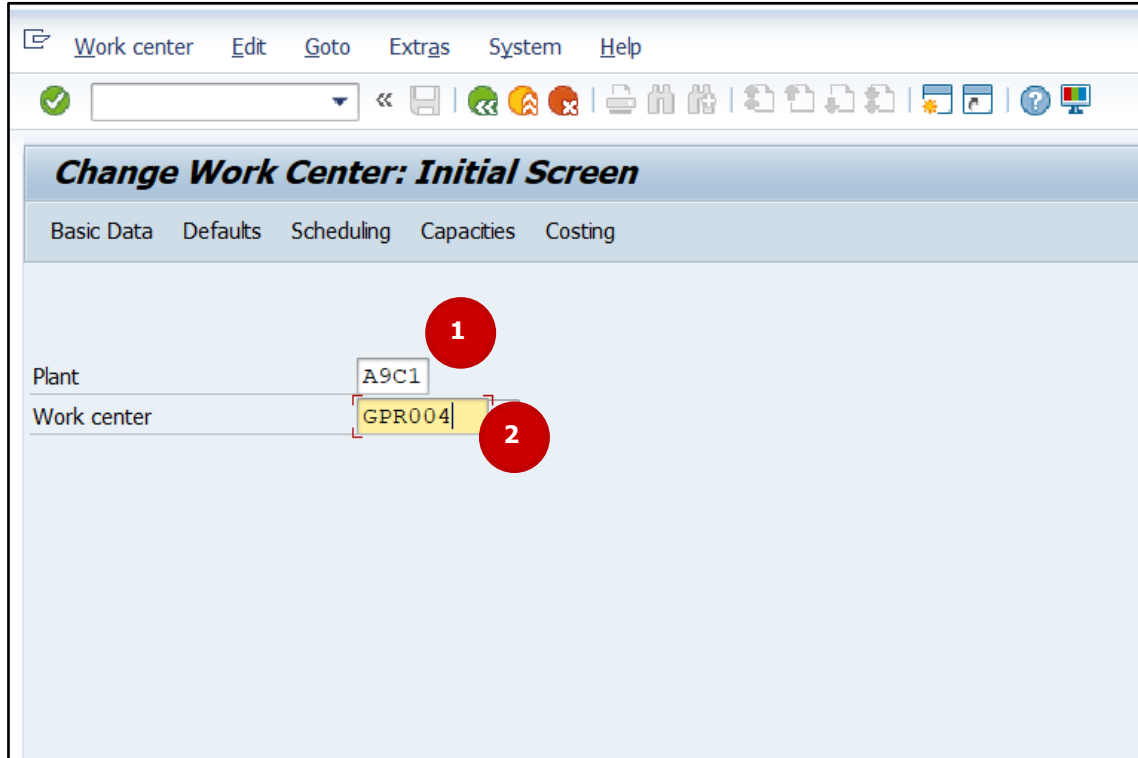
Report for Work Center

Q&A

Work Center: Transactions

CR02 – Change Work Center

AROUND

A screenshot of the SAP CR02 - Change Work Center Initial Screen. The window has a menu bar with "Work center", "Edit", "Goto", "Extras", "System", and "Help". Below the menu bar is a toolbar with various icons. The main area has a title bar "Change Work Center: Initial Screen" and a tab bar with "Basic Data", "Defaults", "Scheduling", "Capacities", and "Costing". The "Basic Data" tab is active. It contains two input fields: "Plant" with the value "A9C1" and "Work center" with the value "GPR004". A red circle with the number "1" is next to the "Plant" field, and a red circle with the number "2" is next to the "Work center" field.

Work center Edit Goto Extras System Help

Change Work Center: Initial Screen

Basic Data Defaults Scheduling Capacities Costing

Plant A9C1

Work center GPR004

1. **Plant:** Define Plant
2. **Work Center:** Define Work Center

Work Center: Transactions

CR02 – Change Work Center

AROUND



Work center Edit Goto Extras System Help

Change Work Center: Basic Data

HR assignment Hierarchy Template

Plant A9C1 BGC-Feed mill
Work center GPR004 Grinding 4

Basic Data Default Values Capacities Scheduling Costing

General Data

Work Center Category 0007 Production line
Person Responsible PD1 Production
Location
QDR System
Supply Area
Usage 009 All task list types
Backflush ☐ Advanced Planning ☐

Standard Value Maintenance

Standard Value Key ZAG1 Standard value for Agro

Standard Values Overview

Key Word	Rule for Maint.	K...	Description
Machine Time	no checking		
Labor Time	no checking		
OEE Time	no checking		
Overhead Time1	no checking		

Description Admin. data Classification Subsystems

Course Outline

AROUND



Cause Overview

Work Center Overview

Create Work Center

Display Work Center

Change Work Center

Report for Work Center

Q&A

Work Center: Transactions

CR02 – Change Work Center

AROUND



Program Edit Goto System Help

Work Center List

2

Plant A9C1 to

Work Center to

Work Center Category to

Storage Loc. Storage Resource to

1

Selection by Hierarchy

☐ Expand Hierarchy

Plant of Hierarchy A9C1

Name of Hierarchy

Number of Levels

Person Responsible to

1. Define Selection Criteria

2. Press 

Work Center: Transactions

CR02 – Change Work Center

AROUND



Work Center List

WorkCntr	Plnt	Cat	Resp.	Description	Strg Loc
BLK001	A9C1	0001	PD1	Bulk1	
BLK002	A9C1	0001	PD1	Bulk2	
CRB01	A9C1	0001	PD1	Crumbler1	
CRB02	A9C1	0001	PD1	Crumbler2	
CRB03	A9C1	0001	PD1	Crumbler3	
GPR001	A9C1	0001	PD1	Grinding1	
GPR002	A9C1	0001	PD1	Grinding2	
GPR003	A9C1	0001	PD1	Grinding3(roller mill)	
GPR004	A9C1	0007	PD1	Grinding 4	
MIX001	A9C1	0001	PD1	Main Mixer1	
PAC001	A9C1	0001	PD1	Pack1	
PAC002	A9C1	0001	PD1	Pack2	
PAC003	A9C1	0001	PD1	Pack3	
PAC004	A9C1	0001	PD1	Pack4	
PAC005	A9C1	0001	PD1	Pack5	
PAC100	A9C1	0001	PD1	Premix Pack	
PEL001	A9C1	0001	PD1	Pellet1	
PEL002	A9C1	0001	PD1	Pellet2	
PEL003	A9C1	0001	PD1	Pellet3	
SCL001	A9C1	0001	PD1	Batching Scale1	

Course Outline

AROUND



Cause Overview

Work Center Overview

Create Work Center

Display Work Center

Change Work Center

Report for Work Center

Q&A

