



GREAVES
SINCE 1859

Testing: Unit Testing / User Manual



PREMIUM

Module: Production Planning

ENVIRONMENT

SYSTEM : SAP R/3 ECC 6.0

CLIENT : 200

UNIT TESTING SCENARIO

SCENARIO NUMBER : PP - 11

DESCRIPTION : Work Centre

PREPARED BY

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DATE : 21.11.2008

TEAM : Production Planning

APPROVED & TESTED BY

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DATE :

TEAM : Production Planning

CONCEPT WORK CENTRE

The Work centre is a place where the single or multiple operations are done to produce the Product. The work centre can be defined for Machine, Labour, Group of Machine and Group Of Labour (i.e. Man Power). This is required to define to establish the capacity of the Work Centre, Costs incurred on the work centre and derive the product cost.

1. Transaction Code/ Path

Enter the menu path of the transaction code, which is going to be tested by the user.

Menu Path	Logistics → Production → Master Data → Work Centre → CR01 - Create
T.Code	CR01

2. Input Data

1. Enter the Input parameters, which need to be given by the user during the testing of this scenario.
2. Input the value for the fields and then if required, copy the screen shot of the input screen after the table.
3. If the scenario has multiple screen inputs, which needs to be processed, repeat the step 2 for every screen.

2.1 Input Screen Name – Create Work Centre : Initial Screen

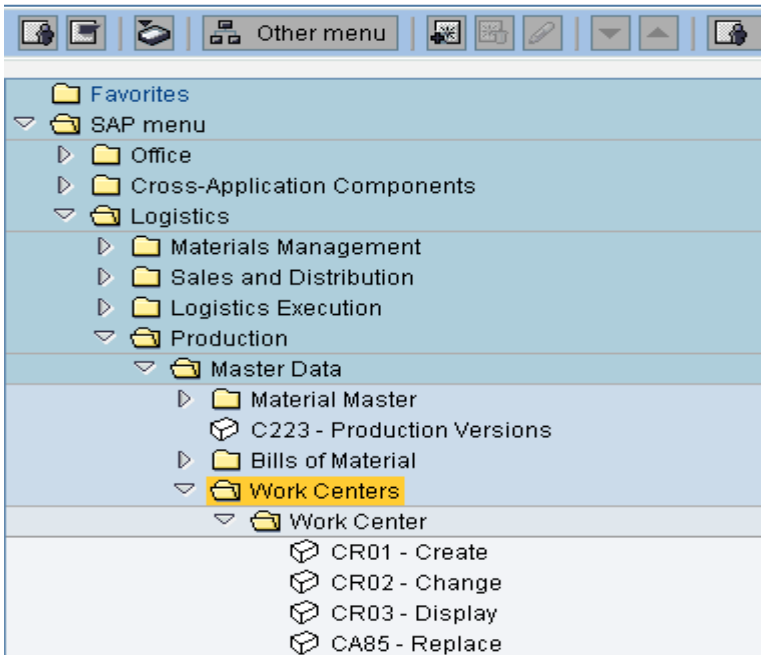
Description of the Field	Nature of the Field	Value of the Field
Create Work Centre	Mandatory	

WORK CENTRE CREATION SAP ERP SYSTEM
Work Centres to be Defined in the following Procedure

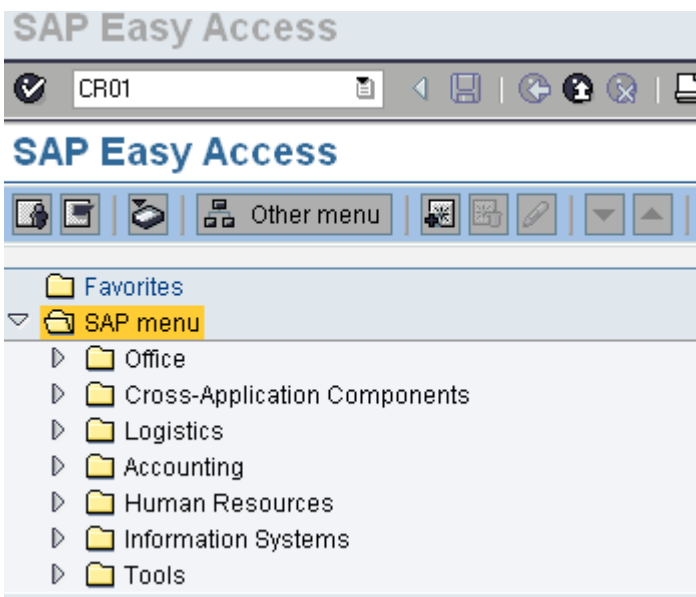
Select the Create CR01



SAP Easy Access



Can also go to work centre by selecting the Transaction Code CR01 at top window as below



The below Work Centre Creation Window will appear



GREAVES
SINCE 1859



PREMIUM

Testing: Unit Testing / User Manual

Module: Production Planning

Create Work Center: Initial Screen

Basic data	
Plant	1120
Work center	MOULDING
Basic data	
Work center cat.	
Copy from:	
Plant	
Ref. work center	

Enter Plant and Name of Work Centre

Press on  Tab or Enter

A) In case of Plant and work Centre is not known help can be taken from find flag at Plant and Work Centre Start Entering the Basic data Like(Mandatory)

- 1) Work Centre Category
- 2) Person Responsible
- 3) Location
- 4) Usage
- 5) Standar Key Value
- 6) Time checking (Like Setup,Machine and Labour)
- 7) Work Centre Text



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Testing: Unit Testing / User Manual



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Change Work Center: Basic Data

HRMS Hierarchy Template

Plant: 1120 Foundry
Work center: MOULDING HEAVY MOULDING

Basic data | Default values | Capacities | Scheduling | Costing | Technical data

General Data

Work center cat. 0003 Labor
Person responsible 300 FDY ENG.DEPT
Location HAND MOULD MOULD MAKING
QDR system
Supply Area
Usage 009 All task list types

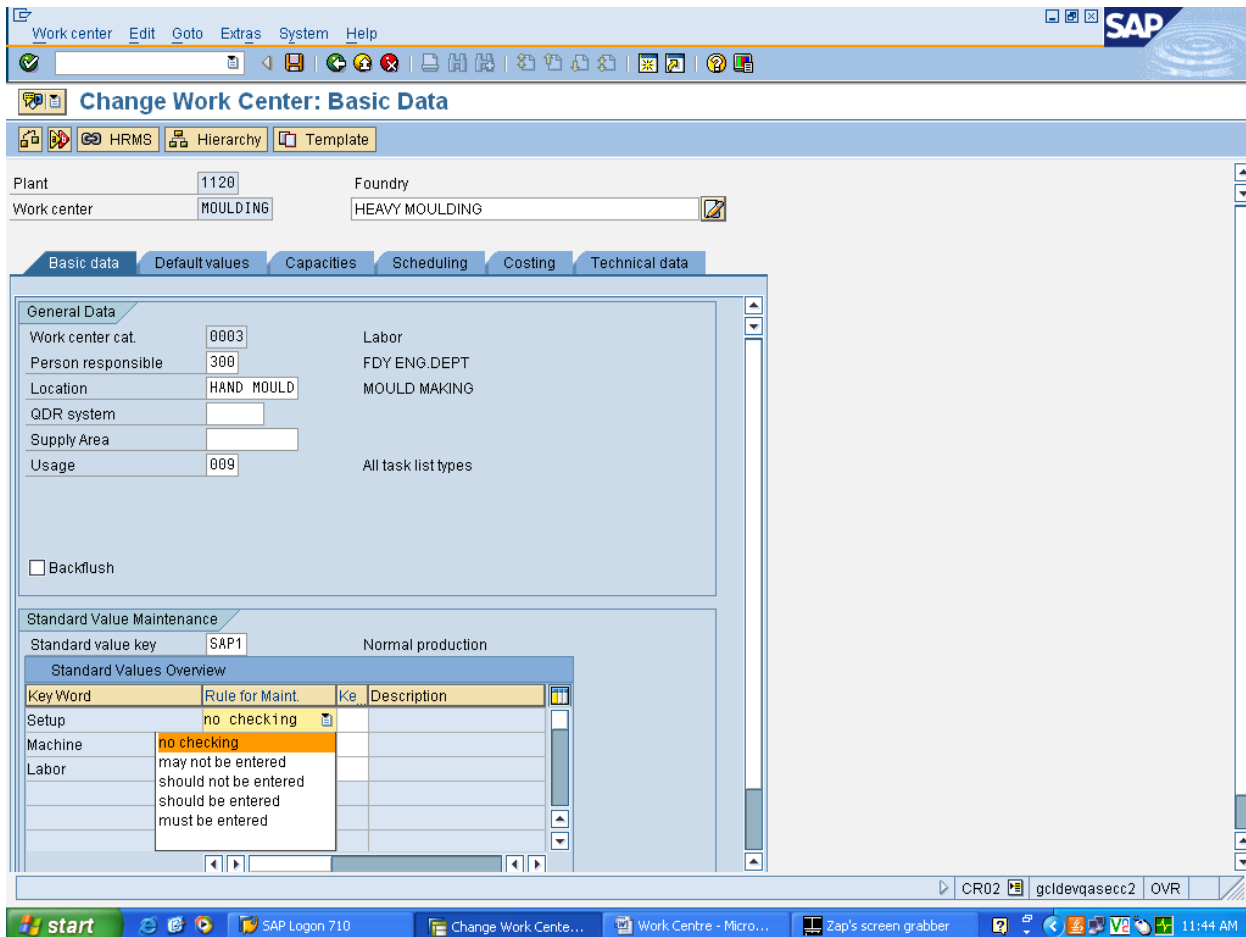
Backflush

Standard Value Maintenance

Standard value key: SAP1 Normal production

Standard Values Overview

Key Word	Rule for Maint.	Ke...	Description
Setup	no checking		
Machine	no checking		
Labor	should be ente		



The screenshot shows the SAP 'Change Work Center: Basic Data' interface. The title bar includes 'Work center Edit Goto Extras System Help' and the SAP logo. Below the title bar, there are navigation icons and a search field. The main content area is divided into several tabs: 'Basic data', 'Default values', 'Capacities', 'Scheduling', 'Costing', and 'Technical data'. The 'Basic data' tab is active, showing 'General Data' and 'Standard Value Maintenance' sections.

General Data

Work center cat.	0003	Labor
Person responsible	300	FDY ENG.DEPT
Location	HAND MOULD	MOULD MAKING
QDR system		
Supply Area		
Usage	009	All task list types

Backflush

Standard Value Maintenance

Standard value key: SAP1 Normal production

Standard Values Overview

Key Word	Rule for Maint.	Ke	Description
Setup	no checking		
Machine	no checking		
Labor			

A tooltip is visible over the 'no checking' value for the 'Machine' key, listing the following options: 'may not be entered', 'should not be entered', 'should be entered', and 'must be entered'.

The bottom status bar shows 'CR02', 'gcldvqasecc2', 'OVR', and the system clock '11:44 AM'.

B) Select Default Values

1) Enter Standard Values for Labour



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Module: Production Planning

Plant 1120
Work center MOULDING

Basic data | **Default values** | Capacities

Operation default values

Control key	<input type="text"/>	<input type="checkbox"/> RefID
Standard text key	<input type="text"/>	<input type="checkbox"/> RefID
Suitability	<input type="text"/>	<input type="checkbox"/> RefID
Setup Type Key	<input type="text"/>	<input type="checkbox"/> RefID
Wage Type	<input type="text"/>	<input type="checkbox"/> RefID
Wage group	<input type="text"/>	<input type="checkbox"/> RefID
No. of Time Tickets	<input type="text"/>	<input type="checkbox"/> RefID
No. confirm. slips	<input type="text"/>	<input type="checkbox"/> RefID

Units of measure of standard values

Parameter	St.	Unit Name
Setup		
Machine		
Labor	MIN	Minute

C) Select the Capacity View and enter the following data

- 1) Capacity Category
- 2) Set Up Formula
- 3) Processing Formula



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Change Work Center: Capacity Overview

HRMS Hierarchy Template

Plant Foundry
 Work center

Basic data | Default values | **Capacities** | Scheduling | Costing | Technical data

Overview

Capacity category	<input type="text" value="002"/>	Person	
Pooled capacity	<input type="text"/>	HEAVY MOULDING	Control CapacityReduction
Setup formula	<input type="text" value="SAP005"/>	Prod: Setup rqmts	<input type="text" value="Formula-Related"/>
Processing formula	<input type="text" value="SAP007"/>	Prod.: Labor rqmts	<input type="text" value="Formula-Related"/>
Teardown formula	<input type="text"/>		<input type="text" value="Formula-Related"/>
Other formula	<input type="text"/>		
Distribution	<input type="text"/>		
Int. dist. key	<input type="text"/>		

Capacity Form. Formu...



Basic data | Default values | Capacities

Overview

Capacity category: 002

Pooled capacity:

Setup formula: SAP005

Processing formula: SAP007

Teardown formula:

Other formula:

Distribution:

Int. dist. key:

Form.	Formula description
PC_F01	Formula 1
PC_F02	Formula 2
SAP001	Prod.: Setup time
SAP002	Prod.: Machine time
SAP003	Prod.: Labor time
SAP004	Proj:Netw/Maint.Time
SAP005	Prod: Setup rqmts
SAP006	Prod.: Machine rqmts
SAP007	Prod.: Labor rqmts
SAP008	Proj:RqmtsNetwkMaint
SAPC00	Duration
SAPC01	Dos + Prcss. + Empt.
SAPC02	Qty-dep. duration
SAPC03	Res. dep. duration
SAPC04	Fixed + var. durat.
SAPC11	Dose
SAPC12	Process
SAPC13	Empty
SAPC20	Durat * No of people

D) Select The Capacity in the same window

- 1) Enter Capacity Planner Group
- 2) Capacity Utilization
- 3) No of Individual Capacity
- 4) Factory Calendar
- 5) Shift Group



Intervals and Shifts	Intervals	Available Capacity Profile	Reference Available Capacity
Plant	1120	Foundry	
Work center	MOULDING	HEAVY MOULDING	
Capacity category	002	HEAVY MOULDING	
General data			
Capacity planner grp	412	FDY ENG.DEPT	
<input type="checkbox"/> Pooled capacity		Grouping	Z2
Available capacity			
Factory calendar ID	Z5	Thursday off : SANKALP	
Active version	1	Normal available capacity	
Base unit of meas.	H	Hour	
Standard available capacity			
Start	00:00:00	Capacity utilization	80
Finish	00:00:00	No. of indiv. cap.	1
Length of breaks	00:00:00	Capacity	0.00 <input type="text" value="H"/>
Operating time	0.00		
Planning details			
<input checked="" type="checkbox"/> Relevant to finite scheduling		Overload	<input type="text" value=""/> %
<input checked="" type="checkbox"/> Can be used by several operations		<input checked="" type="checkbox"/> Long-term planning	

The Shift details are also can be entered.

Select the Interval and Shifts and select the shift days.(For entering this the data Must be available in the system).

Plant: 1120 Foundry
 Work center: MOULDING HEAVY MOULDING
 Capacity category: 002 HEAVY MOULDING
 Version: 1 Normal available capacity

Default values

Shift def.	Start	End	Length of break	Cap. util.	No. of indiv. cap.
<input type="text"/>	00:00:00	00:00:00	00:00:00	80	1

Valid From	to	S	Shif	Le	W	W	Shif	Start Time	End Time	Length o	Ca	N	Opera	Cap
	31.10.2008	X						00:00:00	00:00:00	00:00:00	80	1	0.00	0
01.11.2008	31.12.9999			7										
						Mo	A1	07:00:00	15:30:00	00:50:00	100	1	7.67	7.67
							B1	15:30:00	23:00:00	00:50:00	100	1	6.67	6.67
						Tu	A1	07:00:00	15:30:00	00:50:00	100	1	7.67	7.67
							B1	15:30:00	23:00:00	00:50:00	100	1	6.67	6.67
						We	A1	07:00:00	15:30:00	00:50:00	100	1	7.67	7.67
							B1	15:30:00	23:00:00	00:50:00	100	1	6.67	6.67
						Th	A1	07:00:00	15:30:00	00:50:00	100	1	7.67	7.67
							B1	15:30:00	23:00:00	00:50:00	100	1	6.67	6.67
						Fr	A1	07:00:00	15:30:00	00:50:00	100	1	7.67	7.67
							B1	15:30:00	23:00:00	00:50:00	100	1	6.67	6.67
						Sa	A1	07:00:00	15:30:00	00:50:00	100	1	7.67	7.67
							B1	15:30:00	23:00:00	00:50:00	100	1	6.67	6.67

E) Select the Scheduling Window

The Following Data mandatory

- 1) Capacity Category
- 2) Set Up Formula
- 3) Processing Formula



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SINCE 1859



Icons: Home, Back, HRMS, Hierarchy, Template

Plant: 1120 Foundry

Work center: MOULDING HEAVY MOULDING

Basic data | Default values | Capacities | **Scheduling** | Costing | Technical data

Scheduling basis

Capacity category	002	Person
Capacity		HEAVY MOULDING

Execution time

Setup formula	SAP001	Prod.: Setup time
Processing formula	SAP003	Prod.: Labor time
Teardown formula		
Other formula		

Interoperation times

Location group					
Std. queue time			Min. queue time		

Dimension and unit of measure of work

Work dimension	
Work unit	

F) Select the Costing Window

Enter the Following Data

- 1) Set up, Machine and Labour Hr Rate**
- 2) Set Up Formula**



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SINCE 1859



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Plant Foundry

Work center

Basic data | Default values | Capacities | Scheduling | **Costing** | Technical data

Validity

Start date End Date

Link to cost center/activity types

Controlling Area GREAVES GROUP

Cost Center Shell Moulding

Activities Overview

Alt. activity descr.	Activity Type	Activity Unit	R...	Formu...	Formula description
Setup			<input type="checkbox"/>		
Machine			<input type="checkbox"/>		
Labor	LHRATE		<input type="checkbox"/>	SAP007	Prod.: Labor rqmts
			<input type="checkbox"/>		
			<input type="checkbox"/>		
			<input type="checkbox"/>		

ActType Int.Proc.

Plant 1120 Foundry
Work center MOULDING HEAVY MOULDING

Basic data Default values Capacities Scheduling Costing

Validity
Start date 01.11.2008 End Date 31.12.9

Link to cost center/activity types
Controlling Area 1000 GREAVES GROUP
Cost Center 1188012350 Shell Moulding

Activities Overview

Alt. activity descr.	Activity Type	Activity Unit	R	Formu	Formula des
Setup			<input type="checkbox"/>		
Machine			<input type="checkbox"/>		
Labor	LHRATE		<input type="checkbox"/>	SAP007	Prod.: Labor
			<input type="checkbox"/>		
			<input type="checkbox"/>		
			<input type="checkbox"/>		

ActType Int.Proc.

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

Formula key (1) 35 Entries found

Restrictions

Form.	Formula description
PC_F01	Formula 1
PC_F02	Formula 2
SAP001	Prod.: Setup time
SAP002	Prod.: Machine time
SAP003	Prod.: Labor time
SAP004	Proj:NetwMaint.Time
SAP005	Prod: Setup rqmts
SAP006	Prod.: Machine rqmts
SAP007	Prod.: Labor rqmts
SAP008	Proj:RqmtsNetwkMaint
SAPC00	Duration
SAPC01	Dos + Pross. + Empt.
SAPC02	Qty-dep. duration
SAPC03	Res. dep. duration
SAPC04	Fixed + var. durat.
SAPC11	Dose
SAPC12	Process
SAPC13	Empty
SAPC20	Durat * No of people

35 Entries found

After Entering the all the fields save the document . The same procedure to be adopt for the all other Work centre entries.

There are optional information available in the work centre. This can be utilized as per the requirement of the units .

The Other Options for Work Centre

Transaction Code for any changes to be made is CR02

Transaction Code for Display to view only CR03



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SINCE 1859

Testing: Unit Testing / User Manual



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Module: Production Planning