



SAP Easy Access



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- ▼ SAP Menu
 - ▶ Office
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SAP Plant Maintenance
Commitment Management
in
Maintenance Order

Display IMG

- Structure
- Strategic Enterprise Management/Business Analytics
 - Controlling
 - Investment Management
 - Enterprise Controlling
 - Real Estate
 - Flexible Real Estate Management (RE-FX)
 - Logistics - General
 - Environment, Health & Safety
 - Product and REACH Compliance
 - Sales and Distribution
 - Materials Management
 - Logistics Execution
 - Quality Management
 - Plant Maintenance and Customer Service
 - Master Data in Plant Maintenance and Customer Service
 - Maintenance Plans, Work Centers, Task Lists and PRTs
 - Maintenance and Service Processing
 - Basic Settings
 - Maintenance and Service Notifications
 - Maintenance and Service Orders
 - Stock Determination in PM/CS Orders
 - Functions and Settings for Order Types
 - Configure Order Types**
 - Credit Limit Checks, Sales Document Types for
 - Indicate Order Types for Refurbishment Proces
 - Order Types and Investment Management
 - Configure Number Ranges
 - Assign Order Types to Maintenance Plants
 - Assign Inspection Types to Maintenance/Service Order Types
 - Define Default Value for Planning Indicator for Each Order Type
 - Create Default Value Profiles for External Procurement
 - Define Access Sequence for Determining Address Data

Change View "Maintenance Order Types": Overview

New Entries

Order Type	Text
AD01	Modification Order
AD02	Repair Order
AD03	Regular Maintenance S
FP01	Service Order (with Re
FP02	Service Order (with Re
NLM2	NLM Maintenance Order
PAM	Pool Asset Management
PM01	Maintenance Order
PM02	Regular Maintenance Order
PM03	Preventive Maintenance
PM04	Refurbishment Order
PM05	Order (Incl. Notification)
PM06	Calibration Order
PM07	Investment Order
PM08	
PM09	Maintenance Order w. Component Planning

Position... Entry 1 of 34

Setup of Commitment Management in PM Order Type Plant Independent Parameter

Change View "Maintenance Order Types": Details

New Entries

Order category 30 Maintenance order

Order Type PM01 Maintenance Order

Cost accounting parameters

CO Partner Update Active

Open item management Components active

Revenue postings not allowed

Cost accounting profiles

Settlement profile 40 Maintenance Order

Budget Profile 000001 Budget Profile

Object Class

Reorganization

Residence Time1

Residence Time2

Release immediately

Screen RefObject

Activate Open Item Management
ACTIVATES
Commitment Management
Functionality

These Commitments
are related to
**External commitment
Purchases** via the Maintenance
Order

Create Order: Initial Screen

Header data

Order Type

Priority

Func. Loc.

Equipment

Assembly

Plng plant

Bus. Area



Reference

Order Relationship

Settlement Rule

Create an MO with 5 basic cost element:

- Control Key PM01 Internal labor
- **Control Key PM02 external operation**
- **Control Key PM03 external services**
- Item Category "L" stock item
- **Item Category "N" non-stock item**

Only those in **RED** are posted into Commitment Management (with external purchases commitments)

Create Maintenance Order : Component Overview



Order: PM01 %000000000001 maintenance
Sys.Status: CRTD MANC

- HeaderData
- Operations
- Components
- Costs
- Partner
- Objects
- Additional Data
- Location
- Planning
- Control

Item	Component	Description	LT	Reqmt Qty	UM	IC	S..	SLoc	Plnt	Op...	Batch	Proc. Category
0010	T-T120	Slug for spiral casing			1	PC	L		1000	0010		Reservation for Order
0020		non-stock item			1	PC	N		1000	0010		PReq for Order
0030												
0040												
0050												
0060												
0070												
0080												
0090												
0100												
0110												
0120												
0130												
0140												
0150												
0160												
0170												

Only item category "N" will be TRACKED in Commitment Management

- Gen. Data
- Purch.
- List
- Graph...
- Assy

- Material Where-Used
- Repl.
- Catalog

Create Maintenance Order : Component Detail Purchasing data

Navigation icons and CET indicator

Order	%000000000001	Oper./Act.	0010
Material			
Item	0020	Item Cat.	N non-stock item

General Data Purchasing Data

Requirement Qty	1	PC	Sort String	
Price	50,00	EUR	per	1 PC
Material Group	007		G/L Account	415000
Purch. group	007 / 1000		Vendor	
Agreement			Info Record	
Goods Recipient			Unloading Point	
Requisitioner			Tracking	
Pl. Deliv. Time			GR Proc.	
Vendor Mat. No.				

The non-stock item is 50 EUR/pc

Create Maintenance Order : Operation Overview

Order: PM01 %000000000001 maintenance

Sys.Status: CRTD MANC NTUP

Op...	SOp	Work ctr	Plant	Co...	StTextK	S..	Operation short text	LT	VI	S...	Actual work	Work	Un	N...	Dur.
0010		T-ME20	1000	PM01			maintenance				0,0	10,0HR	1		1
0020		T-ME20	1000	PM02			external operations				0,0	1,0HR	1		
0030		T-ME20	1000	PM03			external services				0,0	0,0HR			
0040		T-ME20	1000	PM01							0,0		HR		
0050		T-ME20	1000	PM01							0,0		HR		
0060		T-ME20	1000	PM01							0,0		HR		
0070		T-ME20	1000	PM01							0,0		HR		
0080		T-ME20	1000	PM01							0,0		HR		
0090		T-ME20	1000	PM01									HR		
0100		T-ME20	1000	PM01									HR		
0110		T-ME20	1000	PM01									HR		
0120		T-ME20	1000	PM01									HR		
0130		T-ME20	1000	PM01									HR		
0140		T-ME20	1000	PM01									HR		
0150		T-ME20	1000	PM01									HR		
0160		T-ME20	1000	PM01									HR		
0170		T-ME20	1000	PM01							0,0		HR		

Only PM02 and PM03's PR and PO will be TRACKED in Commitment Management

Create Maintenance Order : External Processing Operation

Navigation: Header data Operations Components Costs Partners CET

Order: %00000000001 Oper./Act. 0020 / Ctrl key **PM02**

StdTextKey/ShrtText: external operations

General Internal External Dates Act. Data Enhancement

Operation qty: 1,0 HR Sort Term:

Price: 300,00 EUR per: 1

Material Group: 007 Cost Element: 417000

Purch. group: 008 / 1000 Vendor:

Agreement: / Info Record:

Recipient: Unloading Point:

Requisitioner: Tracking Num:

Pl. Deliv. Time: Subcontr.

PM02 is 300 EUR / HR

Components Relationships

Itm	Component	Description	LT	Reqmt Qty	U.	IC	S..	SLoc	Plnt	Batch	Proc. Category
0010											
0020											
0030											
0040											
0050											
0060											
0070											

Create Maintenance Order : External Processing Operation

Header data Operations Components Costs Partners CET

Order Oper./Act. / **Ctrl key**

StdTextKey/ShrtText



General Internal External Dates Act. Data Enhancement

Operation qty LE Sort Term

Price EUR per

Material Group Cost Element

Purch. group / Vendor

Agreement / Info Record

Recipient Unloading Point

Requisitioner Tracking Number

Pl. Deliv. Time Subcontr. FW Order /

PM03 is 500 EUR / AU

Components Relationships

Line	D..	Service No.	Short Text	Quantity	Un	Gross Price	Crcy	U..	Overf.	Tol.	P..	U per U...	Co
10	<input type="checkbox"/>		external services	1	AU	500,00	EUR	<input type="checkbox"/>			<input type="checkbox"/>	1	41
20	<input type="checkbox"/>						EUR	<input type="checkbox"/>			<input type="checkbox"/>		
30	<input type="checkbox"/>						EUR	<input type="checkbox"/>			<input type="checkbox"/>		
40	<input type="checkbox"/>						EUR	<input type="checkbox"/>			<input type="checkbox"/>		
50	<input type="checkbox"/>						EUR	<input type="checkbox"/>			<input type="checkbox"/>		
60	<input type="checkbox"/>						EUR	<input type="checkbox"/>			<input type="checkbox"/>		
70	<input type="checkbox"/>						EUR	<input type="checkbox"/>			<input type="checkbox"/>		

500,00

Display Document Flow



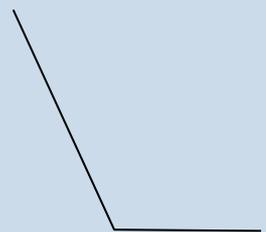
	On	Status	DcTyp	Descriptn	Ctrl key	Mat./Batch	Quantity	Unit	Stor. Loc.	Plant	Func. Loc.	E.
▼ Maintenance Order 816050	05.12.2016	Created Pre-costed ...	PM01	maintenance						1000	20-B02	TEO
▼ Operation 0010		Created		maintenance	PM01		10,0	HR		1000		
• Purchase Requisition 10013644 10	05.12.2016	Not edited	NB	non-stock item			1	PC		1000		
▼ Operation 0020		Created		external operations	PM02		1,0	HR		1000		
• Purchase Requisition 10013644 20	05.12.2016	Not edited	NB	external operations			1,0	HR		1000		
▼ Operation 0030		Created		external services	PM03		0,0	HR		1000		
• Purchase Requisition 10013644 30	05.12.2016	Not edited	NB	external services			1	LE		1000		

The 3 PRs from Item Category "L" Control Key "PM02" Control Key "PM03"

List Display of Purchase Requisitions

Item	S	D	I	A	Mater...	Short Text	Quantity	Un	Valuation	Price	C	Deliv. Date	Matl Group	Plant	SL...	PGr	Requisnr.	Tracking...	Des. Vendor	Fix. Ven...	SPlt	POrg	Agmt	Iter	
Purchase Requisition 10013644																									
10	N			F		non-stock item	1	PC	50,00	D	20161205	007	1000	007										1000	
20	N			F		external operations	1,0	HR	300,00	D	20161207	007	1000	008										1000	
30	N		D	F		external services	1	LE	500,00	D	20161207	007	1000	008										1000	

The 3 PRs:
 Item Category "N" 50 EUR
 Control Key "PM02" 300 EUR
 Control Key "PM03" 500 EUR



Change Maintenance Order 816050: Cost Overview

Tools and icons: printer, save, etc.

Order: PM01 816050 maintenance
Sys.Status: CRTD MACM PRC

Check Commitment Reporting here

HeaderData Operations Components **Costs** Partner Planning Control

Estimated costs: 0,00 EUR
Val.in Object
Val.in CoAreaCurr. EUR

Rep. Plan/Act. **Rep. Budget/Commit.**

Overview **Costs** Quantities Key figures

Group/Dscrptn	Est. costs	Plan costs	Act. costs	C.
Costs	0,00	1.574,50	0,00	E...
• External Services	0,00	800,00	0,00	E...
• Internal Labor	0,00	503,00	0,00	E...
• Internal Materials / Spares	0,00	1,00	0,00	E...
• Material - direct reference	0,00	50,00	0,00	E...
• Overhead	0,00	220,50	0,00	E...

Category



Change Ma



Order PM01 816050
Sys.Status CRTD MACM P

HeaderData Opera

Person responsible
PlannerGrp I20 / 100
Mn.wk.ctr T-ME20 / 1000 Mechanical mainte...
Person Res...

Dates
Bsc start 05.12.2016 13:41 Priority
Basic fin. 05.12.2016 13:41 Revision

Reference object
Func. Loc. 20-B02 Filter building
Equipment TEQ-20 Electric pump 001
Assembly

First operation
Operation maintenance CcKey 1 Calculate duration
WkCtr/Plnt T-ME20 / 1000 Ctrl key PM01 Acty Type 1410 PRT
Work durtn 10,0 HR Number 1 Oprtn dur. 10,0 HR Comp.
Person. no

- Task List Selection
- Sales data
- Contract Selection
- Advance shipment status
- Paging Ctrl+F7
- Reset PUSH
- Reference object
- Assembly operation
- Suborders
- Cost reports
- Documents for Order
 - Document flow Ctrl+F11
 - Goods Movements
 - Completion confirmations
 - MeasDocuments
 - Changes
 - Action log
 - Serial numbers for goods receipt
 - Document History
- Settings

Document Flow to check the PRs

Change Maintenance Order 816050: Cost Overview

Order: PM01 816050 maintenance
Sys.Status: CRTD MACM PRC

HeaderData | Operations | Components | **Costs** | Location | Planning | Control

Estimated costs: 0,00 EUR

Rep. Plan/Act. Rep. Budget/Commit.

Select Report

List: Budget/Actual/Commitments
Orders: Actual/plan/variance

Technical names on/off

Overview | **Costs** | Quantities | Key figures

Group/Dscrptn	Est. costs	Plan costs	Act. costs	C.
Costs	0,00	1.574,50	0,00	E...
• External Services	0,00	800,00	0,00	E...
• Internal Labor	0,00	503,00	0,00	E...
• Internal Materials / Spares	0,00	1,00	0,00	E...
• Material - direct reference	0,00	50,00	0,00	E...
• Overhead	0,00	220,50	0,00	E...

Double-click

Category

List: Budget/Actual/Commitments

Variation: Fiscal Year
1-S-GJAHR-BUD-ALL Overall Budget
2016 2016

List: Budget/Actual/Commitments Date: 05.12.2016 13:56:38 Page

Order Group 816050 maintenance
Fiscal Year *

Orders	Budget	Actual	Commitment	Allotted
816050 maintenance			850,00	850,00
* Total			850,00	850,00

Notice total commitment of 850 EUR
(50 + 300 + 500)

List: Budget/Actual/Commitments

Variation: Fiscal Year
1-S-GJAHR-BUD-ALL Overall Budget
2016 2016

List: Budget/Actual/Commitments Date: 05.12.2016 13:56:38 Page

Order Group 816050 maintenance
Fiscal Year *

Orders	Budget	Actual	Commitment	Allotted
816050 maintenance			850,00	850,00
* Total			850,00	850,00

Select Report

- Orders: Actual Periods
- Orders: Actual Line Items
- Orders: Commitment Line Items
- Master Data List for Orders

Technical names on/off

(1) Double-click this CELL

(2) Double-click Commitment jline items

Display Commitment Line Items for Orders

Date 05.12.2016 Page 0

Layout 1SAP Order, cost element, reference document
 Order 816050 maintenance
 COarea currency EUR Euro (EMU currency as of 01/01/1999)

Cost elem.	Σ	Val.in rep.cur.	Σ	Total Quantity	UM	Vendor	RefDocNo	Rftm	Debit date
415000		50,00		1	PC		10013644	10	05.12.2016
415000	☰	50,00	▪	1	PC				
417000		300,00		1,0	HR		10013644	20	07.12.2016
		500,00		1	LE		10013644	30	07.12.2016
417000	☰	800,00	▪	1	LE				
				1,0	HR				
Order 8...	☰	850,00	▪▪	1	LE				
	☰			1	PC				
	☰			1,0	HR				
☰	...	850,00	...	1	LE				
				1	PC				
				1,0	HR				

Commitments at the PR stage

SAP Easy Access

- Accounting
 - Financial Accounting
 - Financial Supply Chain Management
 - Controlling
 - Cost Element Accounting
 - Cost Center Accounting
 - Internal Orders
 - Activity-Based Costing
 - Product Cost Controlling
 - Product Cost Planning
 - Cost Object Controlling
 - Collaboration Projects
 - Product Cost by Period
 - Product Cost by Order
 - Order
 - Planning
 - Actual Postings
 - Period-End Closing
 - Information System
 - Reports for Product Cost by Order
 - Summarized Analysis
 - Object List
 - Detailed Reports
 - Object Comparisons
 - Line Items
 - KOB3 - Variances
 - KOB8 - WIP/Results Analysis
 - KOB1 - Actual
 - KOB1N - Actual New
 - KOB2 - Commitments**
 - COMLWIPDOC - WIP Quantity Document
 - KOB2N - Commitments New
- Tools
- Environment
- Product Cost by Sales Order

You can find the commitment reports for 1 or more MOs here

Display Commitment Line Items for Orders : Initial Screen

Further Selection Criteria...

Order to

or
Order Group

Cost Element to

or
Cost Element Group

By Order
By Order Group
By Cost Element
By Periods

Posting Data
Expected Debit Date to
 Open Items Only

Settings
Layout Order, cost element, reference document

Display Commitment Line Items for Orders

For One MO

Document Master Record

Date 05.12.2016 Page 0

Layout 1SAP Order, cost element, reference document
 Order 816050 maintenance
 COarea currency EUR Euro (EMU currency as of 01/01/1999)

Cost elem.	Σ	Val.in rep.cur.	Σ	Total Quantity	UM	Vendor	RefDocNo	Rfitm	Debit date
415000		50,00		1	PC		10013644	10	05.12.2016
415000	☰	50,00	▪	1	PC				
417000		300,00		1,0	HR		10013644	20	07.12.2016
		500,00		1	LE		10013644	30	07.12.2016
417000	☰	800,00	▪	1	LE				
				1,0	HR				
Order 8...	☰	850,00	▪▪	1	LE				
	☰			1	PC				
	☰			1,0	HR				
☰	▪▪▪	850,00	▪▪▪	1	LE				
				1	PC				
				1,0	HR				

Display Commitment Line Items for Orders

Display Commitment Line Items for Orders Date 05.12.2016 Page

Layout 1SAP Order, cost element, reference document
 Order 816050... maintenance...
 COarea currency EUR Euro (EMU currency as of 01/01/1999)

For more than one MO

Cost elem.	Σ	Val.in rep.cur.	Σ	Total Quantity	UM	Vendor	RefDocNo	RfItm	Debit date	Order
415000		50,00		1	PC		10013644	10	05.12.2016	816050
415000	☰	50,00		1	PC					
417000		300,00		1,0	HR		10013644	20	07.12.2016	
		500,00		1	LE		10013644	30	07.12.2016	
417000	☰	800,00		1	LE					
				1,0	HR					
	..	850,00	..	1	LE					816050 ☰
				1	PC					
				1,0	HR					
400000		10,20		20	PC		10013645	10	05.12.2016	816051
400000	☰	10,20		20	PC					
417000		800,00		1,0	HR		10013645	20	05.12.2016	
417000	☰	800,00		1,0	HR					
	..	810,20	..	20	PC					816051 ☰
				1,0	HR					
☰	...	1.660,20	...	1	LE					
				21	PC					
				2,0	HR					



Create Purchase Order

Document Overview Off | Hold Park | Print Preview Messages | Personal Setting | Save As Template Load from Template

NB Standard PO NB Vendor 100 C.E.B. BERLIN Doc. date 05.12.2016

Header

S..	Itm	A	I	Material	Short Text	PO Quantity	O...	C	Deliv. Date	Net Price	Curr...	Per	O...	Matl Group	Plnt
	10	F			non-stock item		1	PC	D 05.12.2016	50,00	EUR	1	PC	007	100C
	20	F			external operations		1,0	HR	D 07.12.2016	300,00	EUR	1	HR	007	100C
	30	F	D		external services		1	LE	D 07.12.2016	500,00	EUR	1	LE	007	100C
											EUR				100C
											EUR				100C
											EUR				100C
											EUR				100C
											EUR				100C

Create PO



Item Detail

Change Maintenance Order 816050: Cost Overview

Check Commitment Report again

Double-click

Order: PM01 816050
Sys.Status: CRTD MACM PRC

Estimated costs 0,00 EUR

Rep. Plan/Act.
Rep. Budget/Commit.

Group/Dscrptn	Est. costs	Plan costs
Costs	0,00	1.574,00
• External Services	0,00	800,00
• Internal Labor	0,00	503,00
• Internal Materials / Spares	0,00	1,00
• Material - direct reference	0,00	50,00
• Overhead	0,00	220,00

Select Report

List: Budget/Actual/Commitments
Orders: Actual/plan/variance

Technical names on/off

List: Budget/Actual/Commitments

Variation: Fiscal Year
1-S-GJAHR-BUD-ALL Overall Budget
2016 2016

List: Budget/Actual/Commitments Date: 05.12.2016 14:14:07 Pag

Order Group	816050	maintenance			
Fiscal Year	*				
Orders	Budget	Actual	Commitment	Allotted	
816050 maintenance			850,00	850,00	
			850,00	850,00	

Select Report

- Orders: Actual Periods
- Orders: Actual Line Items
- Orders: Commitment Line Items
- Master Data List for Orders

Technical names on/off

1 Double-click

2 Double-click

Display Commitment Line Items for Orders

Document Master Record

Date 05.12

Layout 1SAP Order, cost element, reference document
 Order 816050 maintenance
 COarea currency EUR Euro (EMU currency as of 01/01/1999)

Value ZERO
for ALL PRs

Cost elem.	Σ	Val.in rep.cur.	Σ	Total Quantity	UM	Vendor	RefDocNo	Rftm	Debit date
415000		0,00		0	PC		10013644	10	05.12.2016
		50,00		1	PC	100	4500017339	10	05.12.2016
415000	☰	50,00		1	PC				
417000		0,00		0,0	HR		10013644	20	07.12.2016
		0,00		0	LE		10013644	30	07.12.2016
		300,00		1,0	HR	100	4500017339	20	07.12.2016
		500,00		1	LE	100	4500017339	30	07.12.2016
417000	☰	800,00		1	LE				
				1,0	HR				
Order 8...	☰	850,00		1	LE				
	☰			1	PC				
	☰			1,0	HR				
	☰	850,00		1	LE				
				1	PC				
				1,0	HR				

Values now
POSTED to
POs (Committed
at the PO level)

Goods Receipt Purchase Order 4500017339 - C Froggy

Hide Overview | Hold Check Post | Help



A01 Goods Receipt | R01 Purchase Order | Plant 1000 | GR goods receipt 101

My Documents

- Purchase Orders
 - 4500017339
 - 4500017317
 - 4500017315
 - 4500017314
 - 4500017313
 - 4500017310
 - 4500017308
 - 4500017305
 - 4500017301
 - 4500017299
- Orders
 - 816041
 - 816021
- Reservations
 - Blank
- Material Documents
 - 5000000397
 - 5000000396
 - 5000000395
 - 5000000393
 - 4900001518
 - 5000000388
 - 5000000386
 - 5000000383
 - 5000000381
 - 5000000380
- Held Data
 - Blank

General Vendor

Document Date: 05.12.2016 | Delivery Note: | Vendor: C.E.B. BERLIN
 Posting Date: 05.12.2016 | Bill of Lading: | HeaderText: |
 1 Individual Slip | GR/GI Slip No.:

Line	St...	Mat. Short Text	OK	Qty in UnE	E...	SLoc	Order	Bu...	Profit Center	G/L Ac
1	non-stock item		<input checked="" type="checkbox"/>	1	PC		816050	9900	1400	41500
2	external operations		<input checked="" type="checkbox"/>	1,0	HR		816050	9900	1400	41700

GR of Item category "N"
Ctrl key "PM02"

Navigation icons: back, forward, delete, Contents, etc.

Detail data

Display Commitment Line Items for Orders : Initial Screen

    (Further Selection Criteria...)

Order  to 

or
Order Group

Cost Element to 

or
Cost Element Group

Posting Data

Expected Debit Date to

Open Items Only

Settings

Layout Order, cost element, reference document

[More Settings](#)

Display Commitment Line Items for Orders

Layout 1SAP Order, cost element, reference document
 Order 816050 maintenance
 COarea currency EUR Euro (EMU currency as of 01/01/1999)

Commitment completed flow for item category "N"

Cost elem.	Σ	Val.in rep.cur.	Σ	Total Quantity	UM	Vendor	RefDocNo	Rfltm	Debit date
415000		0,00		0	PC		10013644	10	05.12.2016
		0,00		0	PC	100	4500017339	10	05.12.2016
415000		0,00		0	PC				
417000		0,00		0,0	HR		10013644	20	07.12.2016
		0,00		0	LE		10013644	30	07.12.2016
		0,00		0,0	HR	100	4500017339	20	07.12.2016
		500,00		1	LE	100	4500017339	30	07.12.2016
417000		500,00		1	LE				
				0,0	HR				
Order 8...		500,00	..	1	LE				
				0	PC				
				0,0	HR				
		500,00	...	1	LE				
				0	PC				
				0,0	HR				

Commitment completed flow for ctrl key "PM02"