

## Multicompany MRP

<b>Product</b>	: Microsiga Protheus® – Production Control and Planning (SIGAPCP) – P12		
<b>Project</b>	: PCREQ1464	<b>Release date</b>	: 31/08/15
<b>Countries</b>	: All	<b>Databases</b>	: All

A new **MRP (PCPA107)** process was developed, in order to calculate the MRP in a multicompany environment. Multicompany MRP consists in calculating the MRP in a specific company and this process views orders, production orders, purchase orders, and stocks from another companies.

The register routines of PCPA106 centering companies were developed through a new MRP and the managing routine of transfer routines and PCPA108 document centering. The **MRP (PCPR107) Report** was also developed, which considers new MRP information.

These new programs does not block the execution of previous versions of MRP and of the report (**MATA710, MATR880, MATA712**).

## Deployment Procedure

Update Protheus to version 12.1.6 or later.

Sharing of SB' product table for companies that participate on the MRP calculation.

Check the parameter MV\_MRPGETR, that indicates if the MRP will work with stock transfers.

### Attention

**The following procedure must be performed by a skilled professional as a Database Administrator (DBA) or equal!**

**By adhering to the multicompany concept, you must perform a study to check if you need to complete production orders and purchase orders.**

**There are two ways to use multicompany MRP:**

#### **1 – Sharing data without using COMPANY MANAGEMENT**

- i. Shared product register

On the **Configurator (SIGACFG)**, access through the company you wish to edit.

- In **Data Base / Dictionary / Files**, click **Search** and locate the table (SB1).
- Click the table and click **Edit**.
- Edit in **Name**, for table name on the company shared.

**Example:** Companies 01 and 02 using the same SB1, in case of SB1010 (Company Table 01).

- Access the **Configurator (SIGACFG)** in company 02.

- Open table Products (**SB1**).
- Change the table name from SB1020 to SB1010. - Save changes.

From this change onwards, the System uses table **SB1010** in **Company 01** and in **Company 02**. Follow this procedure for all companies involved.

Through the SB1 table, all MRP processing tables must be shared:

- SOO: Centering Company
- SOP: Centered companies
- SOU: Transfer suggestion
- SOT: MRP Orders – Former SHA and CZK
- SOR: MRP Transactions – Former SHA and CZJ
- SOQ: MRP Object – Former SH5 and CZI
- SOS: Transfer relationship
- SOV: Unit needs

**2 – Using the COMPANY MANAGEMENT concept**

- ii. Using the company management, system tables will be already prepared to register companies and branches. This way, you must share only the SB1 products table. This concept allows to work with the following fields:
  - Companies Group.
  - Companies.
  - Business Unit.
  - Branches.

**Contact the Framework/PCP Help Desk IN ANY DOUBT!**

**Compatibility Program Updates**

1. Creation of **Table** in file **SX2– Tables**:

Key	Name	Mode	PYME
SOO	CENTERING COMPANY	E	N

Key	Name	Mode	PYME
SOP	CENTERED COMPANIES	E	N

Key	Name	Mode	PYME

Key	Name	Mode	PYME

SOT	MRP PERIODS	E	N
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Key	Name	Mode	PYME
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SOR	MRP TRANSACTIONS	E	N
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Key	Name	Mode	PYME
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SOQ	MRP OBJECTS	E	N
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Key	Name	Mode	PYME
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SOS	TRANSFER RELATIONSHIP	E	N
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Key	Name	Mode	PYME
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SOV	UNIT NEEDS	E	N
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2. Creatio of **Fields** in file **SX3 – Fields**:

- SOO Table – Centering Company:

<b>Field</b>	OO_FILIAL
<b>Type</b>	C
<b>Size</b>	2
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	Branch
<b>Description</b>	System Branch
<b>Used</b>	No
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OO_CDEPCZ
<b>Type</b>	C
<b>Size</b>	2
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	Company

<b>Description</b>	Centering Company
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OO_CDESCZ
<b>Type</b>	C
<b>Size</b>	12
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	Company Branch
<b>Description</b>	Centering Company Branch
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

- SOP Table – Centered Company:

<b>Field</b>	OP_FILIAL
<b>Type</b>	C
<b>Size</b>	2
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	Branch
<b>Description</b>	System Branch
<b>Used</b>	No
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OP_CDEPCZ
<b>Type</b>	C
<b>Size</b>	2
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	Company

<b>Description</b>	Centering Company
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OP_CDESCZ
<b>Type</b>	C
<b>Size</b>	12
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	Company Branch
<b>Description</b>	Centering Company Branch
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OP_CDEPGR
<b>Type</b>	C
<b>Size</b>	2
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	Centered company
<b>Description</b>	Centered Company
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OP_CDESGR
<b>Type</b>	C
<b>Size</b>	12
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	Centered Company branch
<b>Description</b>	Centered Company Branch

<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OP_NRPYGR
<b>Type</b>	N
<b>Size</b>	2
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	Priority
<b>Description</b>	Priority
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

- SOU Table – Transfer suggestion:

<b>Field</b>	OU_FILIAL
<b>Type</b>	C
<b>Size</b>	2
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	Branch
<b>Description</b>	System Branch
<b>Used</b>	No
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OU_EMPORIG
<b>Type</b>	C
<b>Size</b>	2
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	Source Company
<b>Description</b>	Source Company

<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OU_FILORIG
<b>Type</b>	C
<b>Size</b>	12
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	Source Company Branch
<b>Description</b>	Source Company Branch
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OU_EMPDEST
<b>Type</b>	C
<b>Size</b>	2
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	Destination Company
<b>Description</b>	Destination Company
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OU_FILDEST
<b>Type</b>	C
<b>Size</b>	12
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	Destination Company Branch
<b>Description</b>	Destination Company Branch
<b>Used</b>	Yes

<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OU_PROD
<b>Type</b>	C
<b>Size</b>	15
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	Product
<b>Description</b>	Product
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OU_NRMRP
<b>Type</b>	C
<b>Size</b>	6
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	No. MRP
<b>Description</b>	No. MRP Processing
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OU_OPPROD
<b>Type</b>	C
<b>Size</b>	6
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	Production Order
<b>Description</b>	Production Order
<b>Used</b>	Yes
<b>Mandatory</b>	Yes



<b>Browse</b>	Yes
<b>Field</b>	OU_SCSOLIC
<b>Type</b>	C
<b>Size</b>	6
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	Purchase Order
<b>Description</b>	Purchase Order
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OU_C2SEQ
<b>Type</b>	C
<b>Size</b>	3
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	Production order sequence
<b>Description</b>	Production order sequence
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OU_DTTRANS
<b>Type</b>	C
<b>Size</b>	8
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	Transfer date
<b>Description</b>	Transfer date
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OU_QTPROD
<b>Type</b>	N
<b>Size</b>	12.2
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	Amount Produced
<b>Description</b>	Amount used from production
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OU_QTEST
<b>Type</b>	N
<b>Size</b>	12.2
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	Stock Amount
<b>Description</b>	Amount used from stock
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OU_ITEMOP
<b>Type</b>	C
<b>Size</b>	4
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	OP item sequence
<b>Description</b>	Production order item sequence
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OU_ITEMSC
<b>Type</b>	C
<b>Size</b>	4
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	SC item sequence
<b>Description</b>	Purchase order item sequence
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OU_ITGRDSC
<b>Type</b>	C
<b>Size</b>	3
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	SC item grid
<b>Description</b>	Purchase order item grid
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OU_ITGRDOP
<b>Type</b>	C
<b>Size</b>	3
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	OP item grid
<b>Description</b>	Production order item grid
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OU_SITUACA
<b>Type</b>	C
<b>Size</b>	1
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	Transfer status
<b>Description</b>	Transfer status
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OU_QTMOVTO
<b>Type</b>	N
<b>Size</b>	12.2
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	Amount transacted
<b>Description</b>	Amount transacted
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OU_QTMOVTO
<b>Type</b>	N
<b>Size</b>	12.2
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	Amount transacted
<b>Description</b>	Amount transacted
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OU_QTMOVTO
<b>Type</b>	N
<b>Size</b>	12.2
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	Amount transacted
<b>Description</b>	Amount transacted
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

- SOT Table – MRP Periods:

<b>Field</b>	OT_FILIAL
<b>Type</b>	C
<b>Size</b>	2
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	Branch
<b>Description</b>	System Branch
<b>Used</b>	No
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OT_NRMRP
<b>Type</b>	C
<b>Size</b>	6
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	No. MRP
<b>Description</b>	No. MRP Processing
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OT_RGSOR
<b>Type</b>	N
<b>Size</b>	10
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	SOR Register
<b>Description</b>	SOR table register
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OT_PERMRP
<b>Type</b>	C
<b>Size</b>	3
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	MRP Period
<b>Description</b>	No. MRP Period
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OT_QTSLES
<b>Type</b>	N
<b>Size</b>	12.2
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	Stock balance
<b>Description</b>	Amount balance in stock
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OT_QTENTR
<b>Type</b>	N
<b>Size</b>	12.2
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	Entries
<b>Description</b>	Entries amount
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OT_QTSAID
<b>Type</b>	N
<b>Size</b>	12.2
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	Outflows
<b>Description</b>	Amount of resources
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OT_QTSEST
<b>Type</b>	N
<b>Size</b>	12.2
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	Structure Outflows
<b>Description</b>	Amount of outflows per structure
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OT_QTSALD
<b>Type</b>	N
<b>Size</b>	12.2
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	Balance
<b>Description</b>	Amount end balance
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OT_QTNECE
<b>Type</b>	N
<b>Size</b>	12.2
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	Need
<b>Description</b>	Need amount
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OT_QTTRAN
<b>Type</b>	N
<b>Size</b>	12.2
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	Transfer
<b>Description</b>	Transfer quantity
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes



- SOR Table – MRP Transactions:

<b>Field</b>	OR_FILIAL
<b>Type</b>	C
<b>Size</b>	2
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	Branch
<b>Description</b>	System Branch
<b>Used</b>	No
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OR_EMP
<b>Type</b>	C
<b>Size</b>	2
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	Company
<b>Description</b>	Company
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OR_FILEMP
<b>Type</b>	C
<b>Size</b>	12
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	Company Branch
<b>Description</b>	Company Branch
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OR_NRMRP
<b>Type</b>	C
<b>Size</b>	6
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	No. MRP
<b>Description</b>	No. MRP Processing
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OR_NRLV
<b>Type</b>	C
<b>Size</b>	2
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	Level
<b>Description</b>	Product level
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OR_PROD
<b>Type</b>	C
<b>Size</b>	15
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	Product
<b>Description</b>	Product
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OR_OPCORD
<b>Type</b>	C
<b>Size</b>	200
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	Optional
<b>Description</b>	Order Optional
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OR_NRRV
<b>Type</b>	C
<b>Size</b>	3
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	Review
<b>Description</b>	Product Review
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OR_OPC
<b>Type</b>	Image
<b>Size</b>	
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	Optional
<b>Description</b>	Optional
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OR_MOPC
<b>Type</b>	Image
<b>Size</b>	
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	Optional Memo
<b>Description</b>	Product Optional memo
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

- SOQ Table – MRP Objects:

<b>Field</b>	OQ_FILIAL
<b>Type</b>	C
<b>Size</b>	2
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	Branch
<b>Description</b>	System Branch
<b>Used</b>	No
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OQ_EMP
<b>Type</b>	C
<b>Size</b>	2
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	Company
<b>Description</b>	Company
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes
<b>Field</b>	OQ_FILEMP

<b>Type</b>	C
<b>Size</b>	12
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	Company Branch
<b>Description</b>	Company Branch
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OQ_DTOG
<b>Type</b>	D
<b>Size</b>	8
<b>Decimal</b>	0
<b>Format</b>	
<b>Title</b>	Alias date
<b>Description</b>	Date of alias
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OQ_PERMRP
<b>Type</b>	C
<b>Size</b>	3
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	Period
<b>Description</b>	Period Number
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OQ_NRMRP
<b>Type</b>	C
<b>Size</b>	6
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	MRP No.
<b>Description</b>	MRP Number
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OQ_NRLV
<b>Type</b>	C
<b>Size</b>	2
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	Level
<b>Description</b>	Level item on structure
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OQ_PROD
<b>Type</b>	C
<b>Size</b>	15
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	Product
<b>Description</b>	Product Code
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OQ_NRRV
<b>Type</b>	C
<b>Size</b>	3
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	Review
<b>Description</b>	Product review
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OQ_ALIAS
<b>Type</b>	C
<b>Size</b>	3
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	Alias
<b>Description</b>	Product alias
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OQ_NRRGAL
<b>Type</b>	N
<b>Size</b>	14
<b>Decimal</b>	0
<b>Format</b>	99999999999999
<b>Title</b>	Register
<b>Description</b>	Alias register num
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OQ_TPRG
<b>Type</b>	C
<b>Size</b>	1
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	Type
<b>Description</b>	Document type
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OQ_DOC
<b>Type</b>	C
<b>Size</b>	30
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	Document
<b>Description</b>	Document
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OQ_DOCKEY
<b>Type</b>	C
<b>Size</b>	13
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	Connection Doc
<b>Description</b>	Connection document
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes



<b>Field</b>	OQ_DOCREV
<b>Type</b>	C
<b>Size</b>	3
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	Doc review
<b>Description</b>	Document review
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OQ_ITEM
<b>Type</b>	C
<b>Size</b>	2
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	Item
<b>Description</b>	Item
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OQ_QUANT
<b>Type</b>	N
<b>Size</b>	12
<b>Decimal</b>	2
<b>Format</b>	@E 999,999,999.99
<b>Title</b>	Amount
<b>Description</b>	Amount
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	QQ_OPC
<b>Type</b>	M
<b>Size</b>	80
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	Optionals
<b>Description</b>	Optionals
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	QQ_OPCORD
<b>Type</b>	C
<b>Size</b>	200
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	Optional
<b>Description</b>	Optional for order
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

- SOS Table – Transfer Relationship:

<b>Field</b>	OS_FILIAL
<b>Type</b>	C
<b>Size</b>	2
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	Branch
<b>Description</b>	System Branch
<b>Used</b>	No
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OS_SOTORIG
<b>Type</b>	N
<b>Size</b>	10
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	Source SOT Register
<b>Description</b>	Source SOT Register
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OS_SOTDEST
<b>Type</b>	N
<b>Size</b>	10
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	Destination SOT Register
<b>Description</b>	Destination SOT Register
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OS_QUANT
<b>Type</b>	N
<b>Size</b>	12
<b>Decimal</b>	2
<b>Format</b>	@!
<b>Title</b>	Amount
<b>Description</b>	Transfer Quantity
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OS_TIPO
<b>Type</b>	C
<b>Size</b>	1
<b>Decimal</b>	
<b>Format</b>	@!
<b>Title</b>	Register Type
<b>Description</b>	Register Type
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

- SOV Table – Unit Needs:

<b>Field</b>	OV_FILIAL
<b>Type</b>	C
<b>Size</b>	2
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	Branch
<b>Description</b>	System Branch
<b>Used</b>	No
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OV_RECSOT
<b>Type</b>	N
<b>Size</b>	10
<b>Decimal</b>	0
<b>Format</b>	@!
<b>Title</b>	Link with SOT table
<b>Description</b>	Link with SOT table
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OV_QUANT
<b>Type</b>	N
<b>Size</b>	10
<b>Decimal</b>	2
<b>Format</b>	@!
<b>Title</b>	Amount
<b>Description</b>	Amount to be transferred
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OV_TRANS
<b>Type</b>	C
<b>Size</b>	1
<b>Decimal</b>	
<b>Format</b>	@!
<b>Title</b>	Indicates Trans
<b>Description</b>	Indicates Transfer
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

<b>Field</b>	OV_SEQ
<b>Type</b>	N
<b>Size</b>	10
<b>Decimal</b>	
<b>Format</b>	@!
<b>Title</b>	Sequential
<b>Description</b>	Sequential
<b>Used</b>	Yes
<b>Mandatory</b>	Yes
<b>Browse</b>	Yes

**Important**

The size of fields that have group may vary according to the environment being used.

3. Creation of **Indices** in file **SIX – Indices**:

<b>Index</b>	SOV
<b>Order</b>	1
<b>Key</b>	OV_FILIAL+OV_SEQ
<b>Description</b>	Sequence
<b>Owner</b>	S

<b>Index</b>	SOV
<b>Order</b>	2
<b>Key</b>	OV_FILIAL+OV_RECSOT+OV_TRANS
<b>Description</b>	Transfer
<b>Owner</b>	S

<b>Index</b>	SOU
<b>Order</b>	1
<b>Key</b>	OU_FILIAL+OU_EMPORIG+OU_FILORIG+OU_EMPDEST+OU_FILDEST+OU_PROD+OU_NR MRP+OU_OPPROD+OU_ITEMOP+OU_ITGRDOP+OU_C2SEQ+OU_SCSOLIC+OU_ITEMSC+ OU_ITGRDSC
<b>Description</b>	Transfer
<b>Owner</b>	S

<b>Index</b>	SOQ
<b>Order</b>	1
<b>Key</b>	OQ_FILIAL+OQ_EMP+OQ_FILEMP+OQ_PROD+OQ_NRRV+OQ_PERMRP
<b>Description</b>	Period
<b>Owner</b>	S

<b>Index</b>	SOQ
<b>Order</b>	2
<b>Key</b>	OQ_FILIAL+OQ_EMP+OQ_FILEMP+OQ_ALIAS+OQ_NRLV+OQ_PROD+OQ_NR RV
<b>Description</b>	Review
<b>Owner</b>	S

<b>Index</b>	SOQ
<b>Order</b>	3
<b>Key</b>	OQ_FILIAL+OQ_EMP+OQ_FILEMP+OQ_PROD+OQ_ALIAS+DTOS(OQ_DTOG)
<b>Description</b>	Date
<b>Owner</b>	S

<b>Index</b>	SOQ
<b>Order</b>	4
<b>Key</b>	OQ_FILIAL+OQ_EMP+OQ_FILEMP+OQ_ALIAS+OQ_DOC+DTOS(OQ_DTOG)
<b>Description</b>	Alias
<b>Owner</b>	S

<b>Index</b>	SOQ
<b>Order</b>	5
<b>Key</b>	OQ_FILIAL+OQ_EMP+OQ_FILEMP+OQ_PROD+OQ_OPCORD+OQ_NRRV+OQ_PERMRP+STR(OQ_NRRGAL)
<b>Description</b>	Optional
<b>Owner</b>	S

<b>Index</b>	SOR
<b>Order</b>	1
<b>Key</b>	OR_FILIAL+OR_EMP+OR_FILEMP+OR_PROD+OR_NRRV
<b>Description</b>	Review
<b>Owner</b>	S

<b>Index</b>	SOR
<b>Order</b>	2
<b>Key</b>	OR_FILIAL+OR_EMP+OR_FILEMP+OR_NRLV+OR_PROD+OR_NRRV
<b>Description</b>	Product
<b>Owner</b>	S

<b>Index</b>	SOR
<b>Order</b>	3
<b>Key</b>	OR_FILIAL+OR_EMP+OR_FILEMP+OR_PROD+OR_OPCORD+OR_NRRV
<b>Description</b>	Optional
<b>Owner</b>	S

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<b>Index</b>	SOT
<b>Order</b>	1
<b>Key</b>	OT_FILIAL+STR(OT_RGSOR)+OT_PERMRP
<b>Description</b>	Period
<b>Owner</b>	S

<b>Index</b>	SOS
<b>Order</b>	1
<b>Key</b>	OS_FILIAL + OS_SOTORIG + OS_SOTDEST
<b>Description</b>	Transfer
<b>Owner</b>	S

<b>Index</b>	SOO
<b>Order</b>	1
<b>Key</b>	OO_FILIAL+OO_CDEPCZ+OO_CDESCZ
<b>Description</b>	Company
<b>Owner</b>	S

<b>Index</b>	SOP
<b>Order</b>	1
<b>Key</b>	OP_FILIAL+OP_CDEPCZ+OP_CDESCZ+OP_CDEPGR+OP_CDESGR+STR(OP_NRPYGR)
<b>Description</b>	Priority
<b>Owner</b>	S

<b>Index</b>	SOP
<b>Order</b>	2
<b>Key</b>	OP_FILIAL+OP_CDEPGR+OP_CDESGR
<b>Description</b>	Branch
<b>Owner</b>	S



## Procedure for Configuration

### MENU CONFIGURATION

- In **Configurator (SIGACFG)**, access **Environments/Register/Menu (CFGX013)**. Enter the new menu option of **SIGAPCP**, in accordance with the following instructions:

Menu	Updates
Submenu	Registers
Submenu	Multiple Companies
Routine Name	Centering Company
Program	PCPA106
Module	SIGAPCP
Type	Protheus Function
Tables Used	SOO, SOP

Menu	Updates
Submenu	Processing
Submenu	Multiple Companies
Routine Name	MRP
Program	PCPA107
Module	SIGAPCP
Type	Protheus Function
Tables Used	SOU,SOT,SOR,SOQ,SOS,SOV

Menu	Updates
Submenu	Processing
Submenu	Multiple Companies
Routine Name	MRP Management
Program	PCPA108
Module	SIGAPCP
Type	Protheus Function
Tables Used	SOU,SOT,SOR,SOQ,SOS,SOV

Menu	Reports
Submenu	Specific
Routine Name	Multicompany MRP
Program	PCPR107
Module	SIGAPCP
Type	Protheus Function
Tables Used	SOU,SOT,SOR,SOQ,SOS,SOV

### Procedure for Usage

1. On Production Control and Planning (SIGAPCP), access Updates/Registers/Multicompany/Centering Company (PCPA106).
2. Register the companies that will be part of MRP processing (SB1 shared).
3. On Production Control and Planning (SIGAPCP), access Updates/Processing/Multicompany/MRP (PCPA107).
4. Select periodicity and configure orders and Event logs.
5. Activate the Parameters button and configure questions. Then activate OK to start processing.
6. By the end, check the results and generate OCs, SCs and transfers via option OPs / SCs, in Related Actions.
7. After MRP calculation, you may check the report. In Production Control and Planning (SIGAPCP), access Reports/Specific/Multicompany MRP (PCPR107).
8. After calculating MRP, you may check transfer suggestions and manage production and purchase orders, allowing to change companies/branch of these documents.  
In Updates/Processing/Multicompany/MRP Management (PCPA108).

## Technical Information

<p><b>Tables Used</b></p>	<p>SOO : Centering Company.                  SOP : Centered companies.                  SOU : Transfer suggestion.                  SOT : MRP Periods - Former SHA and CZK.                  SOR : MRP Transactions – Former SHA and CZJ.                  SOQ : MRP Object – Former SH5 and CZI.                  SOS : Transfer relationship.                  SOV : Unitary needs.</p>
<p><b>Routines Involved</b></p>	<p>PCPA106 – Centering Companies.                  PCPA107 – Multicompany MRP.                  PCPA108 – MRP Management.                  PCPR107 – MRP Report.</p>
<p><b>Operational Systems</b></p>	<p>Windows®/Linux®</p>