



Technical Sheet

Product	:	Microsiga Protheus® - Production Planning and Control - P11			
Project	:	PMAN002/1674	Issue date	:	10/06/14
Countries	:	All	Databases	:	All

! Importante

This improvement requires the *UPDPR001 and UPPCP001* database update, according to **Implementation Procedures**.

The technical sheet concept has been implemented, which allows you to enter the technical information of a product, helping in the product identification. The technical sheet file(PCPA104) will be based on attributes registered(PCPA101) at templates, which will group the attributes(PCPA102) and their allocation at templates, which will be done according to the resources, stock groups, material type and technical families(PCPA103). The technical sheets can be queried through program PCPC101.

A field has been created at Product Supplement, Other tab, to identify the technical family to which the product belongs. This field will only be visible when the parameter MV_PCPFTEC is configured as 'Y'. The technical families can be registered through the program PCPA105. These routines will be available from release 11.9.

Implementation Procedure

The system is updated right after the application of the update package (Patch) of this call.

! Importante

Before running the compatibility program UPPCP001/UPDPR001, you must:

- Make a backup copy of the product database where the compatibility program will run (directory `\PROTHEUS11_DATA\DATA`) and the **SX** data dictionaries (directory `\PROTHEUS11_DATA\SYSTEM`).
- The directories mentioned above correspond to the **default installation** of Protheus. Therefore, they must be changed according to the product installed in your company.
- This routine must be executed in exclusive **mode**, i.e., no user must be using the system.
- If data dictionaries have customized indexes (created by the user), before running the compatibility program, make sure these indexes are identified by their nickname. If the compatibility program has to create indexes, they will be added according to the original order installed by Protheus. This may overwrite customized indexes if they are not identified by their nickname.
- The compatibility program must be run with the **Referential Integrity deactivated***.

Atenção

The following procedure must be adopted by a qualified Database Administrator (DBA) or equivalent!

The incorrect activation of the Referential Integrity may drastically change the relationship of tables in the database. Therefore, before enabling it, read the following instructions carefully:

- i. In **Configurator (SIGACFG)**, check whether the company uses Referential Integrity by selecting the option **Integrity/Verification (APCFG60A)**.
- ii. If there is **no active Referential Integrity**, a window displays all companies and branches registered and none of them are selected. In this case, **AND ONLY IN THIS CASE**, no other procedure is necessary to **activate or deactivate** the integrity. Just finish the verification and run the compatibility program according to the instructions.
- iii. **If there is active Referential Integrity**, a message in the **Checking the relation among tables window** is displayed in **all companies and branches**. Confirm the message to finish the verification, **or**;
- iv. **If there is active Referential Integrity** in **one or more companies**, not in its totality, all the companies and branches registered to the system are listed in a new window and only the one(s) that have integrity are selected. Write down the companies and/or branches with active referential integrity; you will need them in the reactivation (you can also contact our Framework Help Desk to know about the file containing such information).
- v. In the situations described in items **3** or **4**, **AND ONLY IN THESE CASES**, you must deactivate such integrity by selecting the option **Integrity/Deactivate (APCFG60D)**.
- vi. Once the Referential Integrity is deactivated, run the compatibility program according to instructions.
- vii. After running the compatibility program, the Referential Integrity must be reactivated **IF AND ONLY IF it has been deactivated**, through the option **Integrity/Activate (APCFG60)**. For that purpose, you should have on hand the companies and/or branches which had the integrity activated before. Select them again and confirm the activation.

Contact the Framework Help Desk if you have any questions!



1. In **by You Smart Client**, enter UPPCP001 in the **Start Program** field.
2. Click **OK** to continue.
3. After the confirmation is shown on screen to select the company where the data dictionary is modified.
4. By confirming it, a warning message is displayed about the backup and the need to run the program in **exclusive mode**.
5. Click **Process** to start the process. The first step of the process is the preparation of files. An explanatory message is displayed.
6. Afterwards, a **Finished updating** window is displayed with all the processed updating history (log). *In this updating log*, only the fields updated by the program are presented. The compatibility program creates the fields that still do not exist in the data dictionary.
7. Click **Save** to save the log displayed.
8. Click **OK** to finish the process.
9. In **by You Smart Client**, enter UPDPR001 in the **Start Program** field.
10. Click **OK** to continue.
11. After the confirmation is shown on screen to select the company where the data dictionary is modified.
12. By confirming it, a warning message is displayed about the backup and the need to run the program in **exclusive mode**.
13. Click **Process** to start the process. The first step of the process is the preparation of files. An explanatory message is displayed.
14. Afterwards, a **Finished updating** window is displayed with all the processed updating history (log). *In this updating log*, only the fields updated by the program are presented. The compatibility program creates the fields that still do not exist in the data dictionary.
15. Click **Save** to save the log displayed.
16. Click **OK** to finish the process.



Updates of the Compatibility Program

1. Creation of Questions in the file SX1 - Question Register:

Ask	Technical Sheet Type
Name	
Group	PCP004
Order	1
Type	C
Size	30

Ask	From Product?
Name	
Group	PCPC101A
Order	01
Type	C
Size	15

Ask	To product?
Name	
Group	PCPC101A
Order	02
Type	C
Size	15

Ask	From Product Group?
Name	
Group	PCPC101A
Order	03
Type	C
Size	4

Ask	To Product Group?
Name	
Group	PCPC101A



Order	04
Type	C
Size	4

Ask	From Product Type?
Name	
Group	PCPC101A
Order	05
Type	C
Size	2

Ask	To Product Type?
Name	
Group	PCPC101A
Order	06
Type	C
Size	2

Ask	From Resource?
Name	
Group	PCPC101B
Order	01
Type	C
Size	6

Ask	To Resource?
Name	
Group	PCPC101B
Order	02
Type	C
Size	6

Ask	From Product?
Name	
Group	PCPC101C
Order	01



Type	C
Size	15

Ask	To product?
Name	
Group	PCPC101C
Order	02
Type	C
Size	15

Ask	From Product Group?
Name	
Group	PCPC101C
Order	03
Type	C
Size	4

Ask	To Product Group?
Name	
Group	PCPC101C
Order	04
Type	C
Size	4

Ask	From Resource?
Name	
Group	PCPC101C
Order	05
Type	C
Size	6

Ask	To Resource?
Name	
Group	PCPC101C
Order	06
Type	C



Size	6
Ask	From Product Type?
Name	
Group	PCPC101C
Order	07
Type	C
Size	2

Ask	To Product Type?
Name	
Group	PCPC101C
Order	08
Type	C
Size	2

Ask	From Technical Family?
Name	
Group	PCPC101D
Order	01
Type	C
Size	5

Ask	To Technical Family?
Name	
Group	PCPC101D
Order	02
Type	C
Size	5

Ask	From Technical Family?
Name	
Group	PCPC101E
Order	01
Type	C
Size	5



Ask	To Technical Family?
Name	
Group	PCPC101E
Order	02
Type	C
Size	5

Ask	From Resource?
Name	
Group	PCPC101E
Order	03
Type	C
Size	6

Ask	To Resource?
Name	
Group	PCPC101E
Order	04
Type	C
Size	6

2. Creation of table in the file **SX2 - Tables**:

Key	Name	Mode	PYME
CZB	Technical Sheet Attributes	C	S

Key	Name	Mode	PYME
CZC	List Attribute Values	C	S

Key	Name	Mode	PYME
CZD	Technical sheet template	C	S

Key	Name	Mode	PYME
CZE	Template attributes	C	S



Key	Name	Mode	PYME
CZF	Template allocation	C	S

Key	Name	Mode	PYME
CZG	Technical Sheet	E	S

Key	Name	Mode	PYME
CZL	Technical family	C	S

3. Change of **Fields** in the file **SX3 – Fields**:

- Table SB5 - Additional data of product:

Field	B5_CDFATD
Type	C
Size	5
Decimal	0
Format	@!
Title	Tech. Family
Description	Technical family
Level	1
Used	Yes
Required	No
Browser	No
Options	
When	
Relation	
Val. System	ExistCpo("CZL")
Help	Technical Family Code

- Table CZB – Technical sheet attributes:

Field	CZB_FILIAL
Type	C
Size	2
Decimal	0



Format	
Title	Branch
Description	Branch
Level	1
Used	No
Required	Yes
<i>Browser</i>	No
Options	
<i>When</i>	
Relation	
Val. System	
<i>Help</i>	System Branch

Field	CZB_CDAB
Type	C
Size	10
Decimal	0
Format	9999999999
Title	Attribute
Description	Attribute Code
Level	1
Used	Yes
Required	Yes
<i>Browser</i>	Yes
Options	
<i>When</i>	
Relation	GETSX8NUM("CZB","CZB_CDAB")
Val. System	
<i>Help</i>	Attribute identifier.

Field	CZB_NMAB
Type	C
Size	15
Decimal	0
Format	@!



Title	Attrib. Name
Description	Attribute Name
Level	1
Used	Yes
Required	Yes
Browser	Yes
Options	
When	
Relation	
Val. System	PCPA101VLC(1)
Help	Attribute Name

Field	CZB_DSAB
Type	C
Size	30
Decimal	0
Format	@!
Title	Description
Description	Attribute Description
Level	1
Used	Yes
Required	No
Browser	Yes
Options	
When	
Relation	
Val. System	
Help	Attribute Description

Field	CZB_TPAB
Type	C
Size	1
Decimal	0
Format	
Title	Attrib. Type



Description	Attribute Type
Level	1
Used	Yes
Required	No
<i>Browser</i>	Yes
Options	
<i>When</i>	
Relation	
Val. System	Belongs("FCNDLIARMTO")
<i>Help</i>	Attribute Type

Field	CZB_TMAB
Type	N
Size	10
Decimal	0
Format	@E 9999999999
Title	Size
Description	Attribute Size
Level	1
Used	Yes
Required	Yes
<i>Browser</i>	Yes
Options	
<i>When</i>	PCPA101WCA(1)
Relation	
Val. System	PCPA101VLC(2)
<i>Help</i>	Attribute Size

Field	CZB_VLPRC
Type	N
Size	4
Decimal	0
Format	@E 9999
Title	Accuracy
Description	Attribute Accuracy



Level	1
Used	Yes
Required	No
<i>Browser</i>	Yes
Options	
<i>When</i>	PCPA101WCA(2)
Relation	
Val. System	PCPA101VLC(3)
<i>Help</i>	Attribute Accuracy

Field	CZB_UNMD
Type	C
Size	3
Decimal	0
Format	@!
Title	Unit Measurement
Description	Unit of Measure
Level	1
Used	Yes
Required	No
<i>Browser</i>	Yes
Options	
<i>When</i>	PCPA101WCA(3)
Relation	
Val. System	ExistCpo("SAH")
<i>Help</i>	Unit of Measure

Field	CZB_STAB
Type	C
Size	1
Decimal	0
Format	
Title	Status
Description	Attribute Status
Level	1



Used	Yes
Required	Yes
Browser	Yes
Options	1=Enabled;2=Disabled
When	
Relation	'1'
Val. System	Belong("12")
Help	Attribute Status

Field	CZB_VLPAAB
Type	C
Size	254
Decimal	0
Format	
Title	Default Value
Description	Attribute Standard Value
Level	1
Used	Yes
Required	No
Browser	Yes
Options	
When	PCPA101WCA(6)
Relation	
Val. System	PCPA101VLP()
Help	Attribute Standard Value

Field	CZB_NVAB
Type	M
Size	10
Decimal	0
Format	
Title	Note
Description	Attribute Notes
Level	1
Used	Yes



Required	No
<i>Browser</i>	Yes
Options	
<i>When</i>	
Relation	
Val. System	
<i>Help</i>	Attribute Notes

Field	CZB_RLAB
Type	C
Size	1
Decimal	0
Format	
Title	Relation
Description	Attribute Link
Level	1
Used	Yes
Required	Yes
<i>Browser</i>	Yes
Options	1=Product;2=Resource;3=Technical family;4=All
<i>When</i>	
Relation	'4'
Val. System	Belong("1234")
<i>Help</i>	Attribute Link

Field	CZB_VLBGFX
Type	N
Size	13
Decimal	4
Format	@E 99,999,999.9999
Title	Val. Initial
Description	Initial Value
Level	1
Used	Yes
Required	No



<i>Browser</i>	Yes
<i>Options</i>	
<i>When</i>	PCPA101WCA(4)
<i>Relation</i>	
<i>Val. System</i>	PCPA101VLC(4)
<i>Help</i>	Initial Value

<i>Field</i>	CZB_VLEDFX
<i>Type</i>	N
<i>Size</i>	13
<i>Decimal</i>	4
<i>Format</i>	@E 99,999,999.9999
<i>Title</i>	Val. Termination
<i>Description</i>	End Value
<i>Level</i>	1
<i>Used</i>	Yes
<i>Required</i>	No
<i>Browser</i>	Yes
<i>Options</i>	
<i>When</i>	PCPA101WCA(4)
<i>Relation</i>	
<i>Val. System</i>	PCPA101VLC(4)
<i>Help</i>	End Value

<i>Field</i>	CZB_IDCDG
<i>Type</i>	C
<i>Size</i>	20
<i>Decimal</i>	0
<i>Format</i>	@!
<i>Title</i>	Code
<i>Description</i>	Code Field
<i>Level</i>	1
<i>Used</i>	Yes
<i>Required</i>	No
<i>Browser</i>	Yes



Options	
<i>When</i>	PCPA101WCA(5)
Relation	
Val. System	PCPA101VLC(5)
<i>Help</i>	Code Field

Field	CZB_IDDS
Type	C
Size	20
Decimal	0
Format	@!
Title	Description
Description	Description Field
Level	1
Used	Yes
Required	No
<i>Browser</i>	Yes
Options	
<i>When</i>	PCPA101WCA(5)
Relation	
Val. System	PCPA101VLC(6)
<i>Help</i>	Description Field

Field	CZB_TPTB
Type	C
Size	1
Decimal	0
Format	
Title	List Type
Description	List Type
Level	1
Used	Yes
Required	No
<i>Browser</i>	Yes
Options	1=Simple;2=Composed



<i>When</i>	PCPA101WCA(7)
<i>Relation</i>	
<i>Val. System</i>	Belong("12")
<i>Help</i>	List Type

- Table CZC – List attribute values:

<i>Field</i>	CZC_FILIAL
<i>Type</i>	C
<i>Size</i>	2
<i>Decimal</i>	0
<i>Format</i>	
<i>Title</i>	Branch
<i>Description</i>	Branch
<i>Level</i>	1
<i>Used</i>	No
<i>Required</i>	No
<i>Browser</i>	No
<i>Options</i>	
<i>When</i>	
<i>Relation</i>	
<i>Val. System</i>	
<i>Help</i>	System branch.

<i>Field</i>	CZC_CDAB
<i>Type</i>	C
<i>Size</i>	10
<i>Decimal</i>	0
<i>Format</i>	9999999999
<i>Title</i>	Attribute
<i>Description</i>	Attribute Code
<i>Level</i>	1
<i>Used</i>	Yes
<i>Required</i>	Yes
<i>Browser</i>	Yes



Options	
<i>When</i>	
Relation	
Val. System	
<i>Help</i>	Attribute Code

Field	CZC_SQTB
Type	C
Size	5
Decimal	0
Format	99999
Title	Sequence
Description	List Sequence
Level	1
Used	Yes
Required	Yes
<i>Browser</i>	Yes
Options	
<i>When</i>	
Relation	
Val. System	
<i>Help</i>	List sequence

Field	CZC_NMTB
Type	C
Size	20
Decimal	0
Format	
Title	Content
Description	List Content
Level	1
Used	Yes
Required	Yes
<i>Browser</i>	Yes
Options	



<i>When</i>	
Relation	
Val. System	
<i>Help</i>	List content

Field	CZC_VLTB
Type	C
Size	1
Decimal	0
Format	@!
Title	Amount
Description	List Value
Level	1
Used	Yes
Required	No
<i>Browser</i>	Yes
Options	
<i>When</i>	
Relation	
Val. System	
<i>Help</i>	List amount

- Table CZD – Technical sheet template:

Field	CZD_FILIAL
Type	C
Size	2
Decimal	0
Format	
Title	Branch
Description	Branch
Level	1
Used	No
Required	No
<i>Browser</i>	No



Options	
<i>When</i>	
Relation	
Val. System	
<i>Help</i>	System branch.

Field	CZD_CDMD
Type	C
Size	5
Decimal	0
Format	@!
Title	Template
Description	Template
Level	1
Used	Yes
Required	Yes
<i>Browser</i>	Yes
Options	
<i>When</i>	If(!INCLUI,.F.,.T.)
Relation	
Val. System	PCPA102VCD() .and. existchav("CZD")
<i>Help</i>	Code of template

Field	CZD_NMMD
Type	C
Size	30
Decimal	0
Format	@!
Title	Name
Description	Name
Level	1
Used	Yes
Required	No
<i>Browser</i>	Yes
Options	



<i>When</i>	
<i>Relation</i>	
<i>Val. System</i>	
<i>Help</i>	Template name

<i>Field</i>	CZD_TPMD
<i>Type</i>	C
<i>Size</i>	1
<i>Decimal</i>	0
<i>Format</i>	@!
<i>Title</i>	Template type
<i>Description</i>	Template type
<i>Level</i>	1
<i>Used</i>	Yes
<i>Required</i>	Yes
<i>Browser</i>	Yes
<i>Options</i>	1=Product;2=Resource;3=Product x Resource;4=Technical Family;5=Technical Family x Resource
<i>When</i>	PCPA102WMD()
<i>Relation</i>	1
<i>Val. System</i>	(X3_VALID)
<i>Help</i>	Belong("12345")

- Table CZE – Template Attributes:

<i>Field</i>	CZE_FILIAL
<i>Type</i>	C
<i>Size</i>	2
<i>Decimal</i>	0
<i>Format</i>	
<i>Title</i>	Branch
<i>Description</i>	Branch
<i>Level</i>	1
<i>Used</i>	No
<i>Required</i>	No
<i>Browser</i>	No



Options	
<i>When</i>	
Relation	
Val. System	
<i>Help</i>	System branch.

Field	CZE_CDMD
Type	C
Size	5
Decimal	0
Format	@!
Title	Template
Description	Template
Level	1
Used	Yes
Required	Yes
<i>Browser</i>	Yes
Options	
<i>When</i>	
Relation	
Val. System	
<i>Help</i>	Code of template.

Field	CZE_CDAB
Type	C
Size	10
Decimal	0
Format	9999999999
Title	Attribute
Description	Attribute
Level	1
Used	Yes
Required	Yes
<i>Browser</i>	Yes
Options	



<i>When</i>	PCPA102WAB()
<i>Relation</i>	
<i>Val. System</i>	PCPA102VAL()
<i>Help</i>	Code of attribute

<i>Field</i>	CZE_NMAB
<i>Type</i>	C
<i>Size</i>	15
<i>Decimal</i>	0
<i>Format</i>	@!
<i>Title</i>	Attrib. Name
<i>Description</i>	Attribute Name
<i>Level</i>	1
<i>Used</i>	Yes
<i>Required</i>	No
<i>Browser</i>	Yes
<i>Options</i>	
<i>When</i>	
<i>Relation</i>	IF(!INCLUI,POSICIONE("CZB",1,XFILIAL("CZB")+CZE->CZE_CDAB,"CZB_NMAB"), "")
<i>Val. System</i>	
<i>Help</i>	Attribute name

<i>Field</i>	CZE_DSAB
<i>Type</i>	C
<i>Size</i>	30
<i>Decimal</i>	0
<i>Format</i>	@!
<i>Title</i>	Description
<i>Description</i>	Description
<i>Level</i>	1
<i>Used</i>	Yes
<i>Required</i>	No
<i>Browser</i>	Yes
<i>Options</i>	
<i>When</i>	



Relation	IF(!INCLUI,POSICIONE("CZB",1,XFILIAL("CZB")+CZE->CZE_CDAB,"CZB_DSAB"),"")
Val. System	
Help	Description of attribute

Field	CZE_TPAB
Type	C
Size	1
Decimal	0
Format	
Title	Attrib. Type
Description	Attribute Type
Level	1
Used	Yes
Required	No
Browser	Yes
Options	F=Flag;C=Char;N=Number;D=Date;L=List;I=Image;A=Range;R=Formula;M=Memo;T=Table;O=Tolerance
When	
Relation	IF(!INCLUI,POSICIONE("CZB",1,XFILIAL("CZB")+CZE->CZE_CDAB,"CZB_TPAB"),"")
Val. System	Belongs("FCNDLIARMTO")
Help	Attribute type

Field	CZE_RLAB
Type	C
Size	1
Decimal	0
Format	@!
Title	Relation
Description	Attribute link
Level	1
Used	Yes
Required	No
Browser	Yes
Options	1=Product;2=Resource;3=Technical family;4=All
When	



Relation	IF(!INCLUI,POSICIONE("CZB",1,XFILIAL("CZB")+CZE->CZE_CDAB,"CZB_RLAB"), "")
Val. System	Belong("1234")
Help	Attribute link

Field	CZE_LGOB
Type	C
Size	1
Decimal	0
Format	@!
Title	Required
Description	Required
Level	1
Used	Yes
Required	No
Browser	Yes
Options	1=Yes;2=No
When	
Relation	1
Val. System	Belong("12")
Help	Identifies if the attribute is required.

- Table CZF – Template Allocation:

Field	CZF_FILIAL
Type	C
Size	2
Decimal	0
Format	
Title	Branch
Description	Branch
Level	1
Used	No
Required	No
Browser	No
Options	



<i>When</i>	
Relation	
Val. System	
<i>Help</i>	System branch.

Field	CZF_CDGRIV
Type	C
Size	4
Decimal	0
Format	@!
Title	Stock group
Description	Stock group
Level	1
Used	Yes
Required	No
<i>Browser</i>	Yes
Options	
<i>When</i>	PCPA103WHE(1)
Relation	
Val. System	PCPA103VGE()
<i>Help</i>	Stock group code

Field	CZF_DSGRIV
Type	C
Size	30
Decimal	0
Format	@!
Title	Sum. Desc. : Group
Description	Group description
Level	1
Used	Yes
Required	No
<i>Browser</i>	Yes
Options	
<i>When</i>	



Relation	IF(!INCLUI,POSICIONE("SBM",1,XFILIAL("SBM")+CZF->CZF_CDGRIV,"BM_DESC"),"")
Val. System	
Help	Stock group description

Field	CZF_TPMP
Type	C
Size	2
Decimal	0
Format	@!
Title	Mat. Type
Description	Material type
Level	1
Used	Yes
Required	No
Browser	Yes
Options	
When	PCPA103WHE(2)
Relation	
Val. System	PCPA103VTM()
Help	Material type

Field	CZF_DSTPMP
Type	C
Size	55
Decimal	0
Format	@!
Title	Sum. Desc. : Type
Description	Type description
Level	1
Used	Yes
Required	No
Browser	Yes
Options	
When	
Relation	IF(!INCLUI,POSICIONE("SX5",1,XFILIAL("SX5")+ "02"+CZF->CZF_TPMP,"X5_DESCRI"),"")



Val. System	
<i>Help</i>	Material type description

Field	CZF_CDRC
Type	C
Size	6
Decimal	0
Format	@!
Title	Resource
Description	Resource
Level	1
Used	Yes
Required	No
<i>Browser</i>	Yes
Options	
<i>When</i>	PCPA103WHE(3)
Relation	
Val. System	PCPA103VRC()
<i>Help</i>	Resource code

Field	CZF_DSRC
Type	C
Size	30
Decimal	0
Format	@!
Title	Sum. Desc. : Resource
Description	Resource description
Level	1
Used	Yes
Required	No
<i>Browser</i>	Yes
Options	
<i>When</i>	
Relation	IF(!INCLUI,POSICIONE("SH1",1,XFILIAL("SH1")+CZF->CZF_CDRC,"H1_DESCRI"), "")
Val. System	



<i>Help</i>	Resource description
Field	CZF_CDFATD
Type	C
Size	5
Decimal	0
Format	@!
Title	Tech. Family
Description	Tech. Family Code
Level	1
Used	Yes
Required	No
<i>Browser</i>	Yes
Options	
<i>When</i>	PCPA103WHE(4)
Relation	
Val. System	PCPA103VFT()
<i>Help</i>	Tech. Family Code

Field	CZF_DSFATD
Type	C
Size	50
Decimal	0
Format	@!
Title	Sum. Desc. : Fam
Description	Tech. Family Description
Level	1
Used	Yes
Required	No
<i>Browser</i>	Yes
Options	
<i>When</i>	
Relation	IF(!INCLUI,POSICIONE("CZL",1,XFILIAL("CZL")+CZF->CZF_CDFATD,"CZL_DSFATD")," ")
Val. System	
<i>Help</i>	Tech. Family Description



Field	CZF_CDMD
Type	C
Size	5
Decimal	0
Format	@!
Title	Template
Description	Template
Level	1
Used	Yes
Required	No
<i>Browser</i>	Yes
Options	
<i>When</i>	
Relation	
Val. System	
<i>Help</i>	Code of template

Field	CZF_NMMD
Type	C
Size	30
Decimal	0
Format	@!
Title	Template name
Description	Template name
Level	1
Used	Yes
Required	No
<i>Browser</i>	Yes
Options	
<i>When</i>	
Relation	IF(!INCLUI,POSICIONE('CZD', 1, XFILIAL('CZD')+CZF->CZF_CDMD, 'CZD_NMMD'),")
Val. System	
<i>Help</i>	Template name



- Table CZG – Technical sheet:

Field	CZG_FILIAL
Type	C
Size	2
Decimal	0
Format	
Title	Branch
Description	Branch
Level	1
Used	No
Required	No
<i>Browser</i>	No
Options	
<i>When</i>	
Relation	
Val. System	
<i>Help</i>	System branch.

Field	CZG_CDAC
Type	C
Size	15
Decimal	0
Format	@!
Title	Product
Description	Product Code
Level	1
Used	Yes
Required	No
<i>Browser</i>	Yes
Options	
<i>When</i>	PCPA104WCPOS(1)
Relation	
Val. System	Empty() .or. ExistCpo("SB1",M->CZG_CDAC)
<i>Help</i>	Enter the product code



Field	CZG_DSAC
Type	C
Size	30
Decimal	0
Format	@!
Title	Sum. Desc. : Texts
Description	Product Description
Level	1
Used	Yes
Required	No
<i>Browser</i>	Yes
Options	
<i>When</i>	
Relation	IF(!INCLUI,POSICIONE("SB1",1,XFILIAL("SB1")+CZG->CZG_CDAC,"B1_DESC"), "")
Val. System	
<i>Help</i>	Enter the product description.

Field	CZG_CDRC
Type	C
Size	6
Decimal	0
Format	@!
Title	Resource
Description	Resource
Level	1
Used	Yes
Required	No
<i>Browser</i>	Yes
Options	
<i>When</i>	PCPA104WCPOS(2)
Relation	
Val. System	PCPA104VRecurso()
<i>Help</i>	Enter the resource.

Field	CZG_DSRC
-------	----------



Type	C
Size	30
Decimal	0
Format	@!
Title	Sum. Desc. : Resource
Description	Resource Description
Level	1
Used	Yes
Required	No
Browser	Yes
Options	
When	
Relation	IF(!INCLUI,POSICIONE("SH1",1,XFILIAL("SH1")+CZG->CZG_CDRC,"H1_DESCRI"), "")
Val. System	
Help	Enter the resource description.

Field	CZG_CDGRIV
Type	C
Size	4
Decimal	0
Format	@!
Title	Stock Group
Description	Stock Group
Level	1
Used	Yes
Required	No
Browser	No
Options	
When	
Relation	IF(!INCLUI,POSICIONE("SB1",1,XFILIAL("SB1")+M->CZG_CDAC,"B1_GRUPO") , "")
Val. System	
Help	Enter the stock group code.

Field	CZG_DSGRIV
Type	C



Size	30
Decimal	0
Format	@!
Title	Sum. Desc. : Group
Description	Group Description
Level	1
Used	Yes
Required	No
Browser	No
Options	
When	
Relation	IF(!INCLUI,POSICIONE("SBM",1,XFILIAL("SBM")+M->CZG_CDGRIV,"BM_DESC"), "")
Val. System	
Help	Enter the stock group description.

Field	CZG_TPMP
Type	C
Size	2
Decimal	0
Format	@!
Title	Mat. Type
Description	Material Type
Level	1
Used	Yes
Required	No
Browser	No
Options	
When	
Relation	IF(!INCLUI,POSICIONE("SB1",1,XFILIAL("SB1")+M->CZG_CDAC,"B1_TIPO"), "")
Val. System	
Help	Enter the material type code.

Field	CZG_DSTPMP
Type	C
Size	55



Decimal	0
Format	@!
Title	Sum. Desc. : Type
Description	Type Description
Level	1
Used	Yes
Required	No
<i>Browser</i>	No
Options	
<i>When</i>	
Relation	IF(!INCLUI,POSICIONE("SX5",1,XFILIAL("SX5")+ "02"+M->CZG_TPMP,"X5_DESCRI"), "")
Val. System	
<i>Help</i>	Enter the material type description.

Field	CZG_CDFATD
Type	C
Size	5
Decimal	0
Format	@!
Title	Tech. Family
Description	Tech. Family Code
Level	1
Used	Yes
Required	No
<i>Browser</i>	Yes
Options	
<i>When</i>	PCPA104WCPOS(3)
Relation	
Val. System	PCPA104VFTec()
<i>Help</i>	Enter the technical family code.

Field	CZG_DSFATD
Type	C
Size	50
Decimal	0



Format	@!
Title	Sum. Desc. : Tech Fam
Description	Tech. Family Description
Level	1
Used	Yes
Required	No
Browser	Yes
Options	
When	
Relation	IF(!INCLUI,POSICIONE('CZL', 1, XFILIAL('CZL')+CZG->CZG_CDFATD, 'CZL_DSFATD'),")
Val. System	
Help	Enter the Technical Family description.

Field	CZG_CDMD
Type	C
Size	5
Decimal	0
Format	@!
Title	Template
Description	Template Code
Level	1
Used	Yes
Required	No
Browser	Yes
Options	
When	PCPA104WCPOS(4)
Relation	
Val. System	ExistCpo("CZD",M->CZG_CDMD) .And. PCPA104Atrib()
Help	Enter the template code.

Field	CZG_NMMD
Type	C
Size	30
Decimal	0
Format	@!



Title	Template Name
Description	Template Name
Level	1
Used	Yes
Required	No
Browser	No
Options	
When	
Relation	IF(!INCLUI,POSICIONE("CZD",1,XFILIAL("CZD")+CZG->CZG_CDMD,"CZD_NMMD"),"")
Val. System	(X3_VALID)
Help	Enter the template name

Field	CZG_VRFH
Type	C
Size	5
Decimal	0
Format	@!
Title	Sheet Version
Description	Technical sheet version
Level	1
Used	Yes
Required	No
Browser	Yes
Options	
When	
Relation	
Val. System	
Help	Enter the technical sheet version.

Field	CZG_CDAB
Type	C
Size	10
Decimal	0
Format	@!
Title	Attribute



Description	Attribute
Level	1
Used	Yes
Required	No
<i>Browser</i>	Yes
Options	
<i>When</i>	
Relation	
Val. System	
<i>Help</i>	Enter the attribute code.

Field	CZG_NMAB
Type	C
Size	15
Decimal	0
Format	@!
Title	Attrib. Name
Description	Attribute Name
Level	1
Used	Yes
Required	No
<i>Browser</i>	Yes
Options	
<i>When</i>	
Relation	IF(!INCLUI,POSICIONE("CZB",1,XFILIAL("CZB")+CZG->CZG_CDAB,"CZB_NMAB"), "")
Val. System	
<i>Help</i>	Enter the attribute name.

Field	CZG_DSAB
Type	C
Size	30
Decimal	0
Format	@!
Title	Sum. Desc. : Attrib
Description	Attribute Description



Level	1
Used	Yes
Required	No
Browser	Yes
Options	
When	
Relation	IF(!INCLUI,POSICIONE("CZB",1,XFILIAL("CZB")+CZG->CZG_CDAB,"CZB_DSAB"), "")
Val. System	
Help	Enter the attribute description.

Field	CZG_TPAB
Type	C
Size	1
Decimal	0
Format	@!
Title	Attrib. Type
Description	Attribute Type
Level	1
Used	Yes
Required	No
Browser	No
Options	F=Flag;C=Char;N=Number;D=Date;L=List;I=Image;A=Range;R=Formula;M=Memo;T=Table;O=Tolerance
When	PCPA104WGRID(13)
Relation	
Val. System	Belongs("FCNDLIARMTO")
Help	Enter the attribute type.

Field	CZG_VLFG
Type	C
Size	1
Decimal	0
Format	@!
Title	Flag Value
Description	Flag Value



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Level	1
Used	Yes
Required	No
Browser	No
Options	
When	PCPA104WGRID(1)
Relation	
Val. System	
Help	Enter the flag type.

Field	CZG_VLCHAR
Type	C
Size	254
Decimal	0
Format	
Title	Char Value
Description	Character Value
Level	1
Used	Yes
Required	No
Browser	No
Options	
When	PCPA104WGRID(2)
Relation	
Val. System	PCPA104VVChar()
Help	Enter the character value.

Field	CZG_VLNR
Type	N
Size	13
Decimal	4
Format	@E 99,999,999.9999
Title	Numeric Value
Description	Numeric Value
Level	1



Used	Yes
Required	No
<i>Browser</i>	No
Options	
<i>When</i>	PCPA104WGRID(3)
Relation	
Val. System	PCPA104VNU()
<i>Help</i>	Enter the numeric value.

Field	CZG_VLDT
Type	D
Size	8
Decimal	0
Format	
Title	Date Value
Description	Date Value
Level	1
Used	Yes
Required	No
<i>Browser</i>	No
Options	
<i>When</i>	PCPA104WGRID(4)
Relation	
Val. System	
<i>Help</i>	Enter the date value.

Field	CZG_VLLST
Type	C
Size	20
Decimal	0
Format	@!
Title	List Value
Description	List Value
Level	1
Used	Yes



Required	No
Browser	No
Options	
When	PCPA104WGRID(5)
Relation	
Val. System	PCPA104VLista()
Help	Enter the list value.

Field	CZG_VLFX
Type	N
Size	13
Decimal	4
Format	@E 99,999,999.9999
Title	Range Value
Description	Range Value
Level	1
Used	Yes
Required	No
Browser	No
Options	
When	PCPA104WGRID(6)
Relation	
Val. System	
Help	Enter the range value.

Field	CZG_VLFO
Type	C
Size	254
Decimal	0
Format	
Title	Formula Value
Description	Formula Value
Level	1
Used	Yes
Required	No



<i>Browser</i>	No
<i>Options</i>	
<i>When</i>	PCPA104WGRID(8)
<i>Relation</i>	
<i>Val. System</i>	
<i>Help</i>	Enter the formula value.

<i>Field</i>	CZG_VLMEMO
<i>Type</i>	M
<i>Size</i>	254
<i>Decimal</i>	0
<i>Format</i>	@!
<i>Title</i>	Memo Value
<i>Description</i>	Memo Value
<i>Level</i>	1
<i>Used</i>	Yes
<i>Required</i>	No
<i>Browser</i>	No
<i>Options</i>	
<i>When</i>	PCPA104WGRID(9)
<i>Relation</i>	
<i>Val. System</i>	
<i>Help</i>	Memo Value

<i>Field</i>	CZG_VLTB
<i>Type</i>	C
<i>Size</i>	20
<i>Decimal</i>	0
<i>Format</i>	@!
<i>Title</i>	Table Value
<i>Description</i>	Table Value
<i>Level</i>	1
<i>Used</i>	Yes
<i>Required</i>	No
<i>Browser</i>	No



Options	
<i>When</i>	PCPA104WGRID(10)
Relation	
Val. System	PCPA104VTB()
<i>Help</i>	Enter the table value.

Field	CZG_DTFH
Type	D
Size	8
Decimal	0
Format	
Title	Sheet Date
Description	Technical Sheet Date
Level	1
Used	Yes
Required	No
<i>Browser</i>	No
Options	
<i>When</i>	
Relation	DATE()
Val. System	
<i>Help</i>	Enter the technical sheet date.

Field	CZG_AFINF
Type	N
Size	13
Decimal	4
Format	@E 99,999,999.9999
Title	Min. Dist.
Description	Minimum distance
Level	1
Used	Yes
Required	No
<i>Browser</i>	No
Options	



<i>When</i>	PCPA104WGRID(11)
<i>Relation</i>	
<i>Val. System</i>	
<i>Help</i>	Enter the minimum distance.

<i>Field</i>	CZG_AFSUP
<i>Type</i>	N
<i>Size</i>	13
<i>Decimal</i>	0
<i>Format</i>	@E 99,999,999.9999
<i>Title</i>	Max. Dist.
<i>Description</i>	Maximum distance
<i>Level</i>	1
<i>Used</i>	Yes
<i>Required</i>	No
<i>Browser</i>	No
<i>Options</i>	
<i>When</i>	PCPA104WGRID(12)
<i>Relation</i>	
<i>Val. System</i>	PCPA104Tolerancia()
<i>Help</i>	Enter the maximum distance.

<i>Field</i>	CZG_BITMAP
<i>Type</i>	C
<i>Size</i>	20
<i>Decimal</i>	0
<i>Format</i>	
<i>Title</i>	Image
<i>Description</i>	Image
<i>Level</i>	1
<i>Used</i>	Yes
<i>Required</i>	No
<i>Browser</i>	No
<i>Options</i>	
<i>When</i>	



Relation	
Val. System	
<i>Help</i>	Enter the image.

- Table CZL – Technical sheet:

Field	CZL_FILIAL
Type	C
Size	2
Decimal	0
Format	
Title	Branch
Description	Branch
Level	1
Used	No
Required	No
<i>Browser</i>	No
Options	
<i>When</i>	
Relation	
Val. System	
<i>Help</i>	System branch.

Field	CZL_CDFATD
Type	C
Size	5
Decimal	0
Format	@!
Title	Tech. Family
Description	Technical family
Level	1
Used	Yes
Required	Yes
<i>Browser</i>	Yes
Options	



<i>When</i>	
Relation	
Val. System	PCPA105VCD()
Help	Technical family code

Field	CZL_DSFATD
Type	C
Size	50
Decimal	0
Format	@!
Title	Description
Description	Technical family description
Level	1
Used	Yes
Required	Yes
<i>Browser</i>	Yes
Options	
<i>When</i>	
Relation	
Val. System	
Help	Technical family description

Importante

The size of fields which have group may vary according to the environment in use.

4. Creation of **Standard Query** in the file **SXB - Standard Query**:

- Search CZB001:

Alias	CZB001
Type	1
Sequence	01
Column	DB
Description	Attributes
Contains	CZB



Alias	CZB001
Type	2
Sequence	01
Column	01
Description	Branch+Attribute
Contains	

Alias	CZB001
Type	3
Sequence	01
Column	01
Description	Register New
Contains	01

Alias	CZB001
Type	4
Sequence	01
Column	01
Description	Attribute
Contains	CZB_CDAB

Alias	CZB001
Type	4
Sequence	01
Column	02
Description	Attribute name
Contains	CZB_NMAB

Alias	CZB001
Type	4
Sequence	01
Column	03
Description	Description
Contains	CZB_DSAB

Alias	CZB001
-------	--------



Type	4
Sequence	01
Column	4
Description	Relation
Contains	CZB_RLAB

Alias	CZB001
Type	5
Sequence	01
Column	
Description	
Contains	CZB_CDAB

Alias	CZB001
Type	6
Sequence	01
Column	
Description	
Contains	PCPA102FIL()

Alias	CZB001
Type	9
Sequence	01
Column	AC
Description	
Contains	PCPA101

- Search CZB002:

Alias	CZB002
Type	1
Sequence	01
Column	RE
Description	Default Value
Contains	(XB_CONTEM)

Alias	CZB002
-------	--------



Type	2
Sequence	01
Column	01
Description	
Contains	PCPA101CPA()

Alias	CZB002
Type	5
Sequence	01
Column	
Description	
Contains	CZB_VLPAAB

- Search CZBSX2:

Alias	CZBSX2
Type	1
Sequence	01
Column	RE
Description	Tables
Contains	

Alias	CZBSX2
Type	2
Sequence	01
Column	01
Description	
Contains	PCPA101SX2()

Alias	CZBSX2
Type	5
Sequence	01
Column	
Description	
Contains	SX2->X2_CHAVE

- Search CZBSX3:



Alias	CZBSX3
Type	1
Sequence	01
Column	RE
Description	Tables
Contains	

Alias	CZBSX3
Type	2
Sequence	01
Column	01
Description	
Contains	PCPA101SX3()

Alias	CZBSX3
Type	5
Sequence	01
Column	
Description	
Contains	SX3->X3_CAMPO

- Search CZD001:

Alias	CZD001
Type	1
Sequence	01
Column	DB
Description	Template
Contains	CZD

Alias	CZD001
Type	2
Sequence	01
Column	01
Description	Branch+Template
Contains	



Alias	CZD001
Type	3
Sequence	01
Column	01
Description	Register New
Contains	01

Alias	CZD001
Type	4
Sequence	01
Column	01
Description	Template
Contains	CZD_CDMD

Alias	CZD001
Type	4
Sequence	01
Column	02
Description	Description
Contains	CZD_NMMD

Alias	CZD001
Type	4
Sequence	01
Column	03
Description	Type
Contains	CZD_TPMD

Alias	CZD001
Type	5
Sequence	01
Column	
Description	
Contains	CZD_CDMD

Alias	CZD001
-------	--------



Type	6
Sequence	01
Column	
Description	
Contains	ilf (FunName() == 'PCPA104',lretorno:=PCPA104FTEMP(),lretorno:=.T.)

Alias	CZD001
Type	9
Sequence	01
Column	AC
Description	
Contains	PCPA102

- Search CZD002:

Alias	CZD002
Type	1
Sequence	01
Column	DB
Description	Template
Contains	CZD

Alias	CZD002
Type	2
Sequence	01
Column	01
Description	Branch+Template
Contains	

Alias	CZD002
Type	3
Sequence	01
Column	01
Description	Register New
Contains	01

Alias	CZD002
-------	--------



Type	4
Sequence	01
Column	01
Description	Template
Contains	CZD_CDMD

Alias	CZD002
Type	4
Sequence	01
Column	02
Description	Description
Contains	CZD_NMMD

Alias	CZD002
Type	4
Sequence	01
Column	03
Description	Type
Contains	CZD_TPMD

Alias	CZD002
Type	5
Sequence	01
Column	
Description	
Contains	CZD_CDMD

Alias	CZD002
Type	6
Sequence	01
Column	
Description	
Contains	PCPA104FIL()

Alias	CZD002
Type	9



Sequence	01
Column	AC
Description	
Contains	PCPA102

- Search CZG001:

Alias	CZG001
Type	1
Sequence	01
Column	RE
Description	Values
Contains	

Alias	CZG001
Type	2
Sequence	01
Column	01
Description	
Contains	PCPA104FX()

Alias	CZG001
Type	5
Sequence	01
Column	
Description	
Contains	CZG_VLFX

- Search CZG002:

Alias	CZG002
Type	1
Sequence	01
Column	RE
Description	Table Value
Contains	

Alias	CZG002
-------	--------



Type	2
Sequence	01
Column	01
Description	
Contains	IIF(FunName()=='PCPA104',PCPA104TAB(),DPRA210TAB())

Alias	CZG002
Type	5
Sequence	01
Column	
Description	
Contains	IIF(FunName()=='PCPA104',CZG_VLTB,DGO_VLTBSI)

- Search CZG003:

Alias	CZG003
Type	1
Sequence	01
Column	RE
Description	List Value
Contains	

Alias	CZG003
Type	2
Sequence	01
Column	01
Description	
Contains	IIF(FunName()=='PCPA104',PCPA104VLL(),DPRA210VLL())

Alias	CZG003
Type	5
Sequence	01
Column	
Description	
Contains	IIF(FunName()=='PCPA104',CZG_VLLST,DGO_VLTB)

- Search CZG004:



Alias	CZG004
Type	1
Sequence	01
Column	DB
Description	FT Template
Contains	CZD

Alias	CZG004
Type	2
Sequence	01
Column	01
Description	Template
Contains	

Alias	CZG004
Type	4
Sequence	01
Column	01
Description	Template
Contains	CZD_CDMD

Alias	CZG004
Type	4
Sequence	01
Column	02
Description	Name
Contains	CZD_NMMD

Alias	CZG004
Type	5
Sequence	01
Column	03
Description	Template Type
Contains	CZD_TPMD

Alias	CZG004
-------	--------



Type	5
Sequence	01
Column	
Description	
Contains	CZD->CZD_CDMD

Alias	CZG004
Type	6
Sequence	01
Column	
Description	
Contains	PCPA104FTEMP()

- Search CZL001:

Alias	CZL001
Type	1
Sequence	01
Column	DB
Description	Technical Family
Contains	CZL

Alias	CZL001
Type	2
Sequence	01
Column	01
Description	Technical family
Contains	

Alias	CZL001
Type	4
Sequence	01
Column	01
Description	Code
Contains	CZL_CDFATD

Alias	CZL001
-------	--------



Type	4
Sequence	01
Column	02
Description	Description
Contains	CZL_DSFATD

Alias	CZL001
Type	5
Sequence	01
Column	
Description	
Contains	CZL->CZL_CDFATD

Alias	CZL001
Type	9
Sequence	01
Column	AC
Description	
Contains	PCPA105

5. Creation of **Indexes** in the file **SIX - Indexes**:

Index	SB5
Order	6
Key	B5_FILIAL+B5_CDFATD
Description	Tech. Family
Owner	S

Index	CZB
Order	1
Key	CZB_FILIAL+CZB_CDAB
Description	Attribute
Owner	S

Index	CZB
Order	2
Key	CZB_FILIAL+CZB_NMAB



Description	Attrib. Name
Owner	S

Index	CZC
Order	1
Key	CZC_FILIAL+CZC_CDAB+CZC_SQTB
Description	Attribute + Sequence
Owner	S

Index	CZC
Order	2
Key	CZC_FILIAL+CZC_CDAB+CZC_NMTB
Description	Attribute + Content
Owner	S

Index	CZD
Order	1
Key	CZD_FILIAL+CZD_CDMD
Description	Template
Owner	S

Index	CZD
Order	2
Key	CZD_FILIAL+CZD_TPMD
Description	Template type
Owner	S

Index	CZE
Order	1
Key	CZE_FILIAL+CZE_CDMD+CZE_CDAB
Description	Template + Attribute
Owner	S

Index	CZE
Order	2
Key	CZE_FILIAL+CZE_CDAB



Description	Attribute
Owner	S

Index	CZF
Order	1
Key	CZF_FILIAL+CZF_CDGRIV+CZF_TPMP+CZF_CDRC+CZF_CDFATD+CZF_CDMD
Description	Stock group + Mat. Type + Resource + Tech. Family + Template
Owner	S

Index	CZF
Order	2
Key	CZF_FILIAL+CZF_CDMD
Description	Template
Owner	S

Index	CZF
Order	3
Key	CZF_FILIAL+CZF_CDRC
Description	Resource
Owner	S

Index	CZF
Order	4
Key	CZF_FILIAL+CZF_CDFATD+CZF_CDRC
Description	Tech. Family + Resource
Owner	S

Index	CZG
Order	1
Key	CZG_FILIAL+CZG_CDAC+CZG_CDRC+CZG_CDMD+CZG_VRFH+CZG_CDAB
Description	Product + Resource + Template + Sheet Version + Attribute
Owner	S

Index	CZG
Order	2
Key	CZG_FILIAL+CZG_CDMD+CZG_CDAB



Description	Template + Attribute
Owner	S

Index	CZG
Order	3
Key	CZG_FILIAL+CZG_CDAB
Description	Attribute
Owner	S

Index	CZG
Order	4
Key	CZG_FILIAL+CZG_CDFATD+CZG_CDRC
Description	Tech. Family + Resource
Owner	S

Index	CZG
Order	5
Key	CZG_FILIAL+CZG_CDRC
Description	Resource
Owner	S

Index	CZG
Order	6
Key	CZG_FILIAL+CZG_VRFH
Description	Sheet Version
Owner	S

6. Creation of **Parameters** at the file **SX6 - Parameters**:

Variable Name	MV_PCPFTEC
Type	Character
Description	Indicates if it will register the Technical Family at product register. (Y) = Yes; (N) = No.
Default Value	N

7. Creation of **Triggers** at the file **SX7 - Triggers**:

- Table CZB – Technical sheet attributes:



Field	CZB_TPAB
Sequence	001
Rule	PCPA101GTP()
Domain Field	CZB_TPAB
Type	P
Position?	
Owner	S

- Table CZE – Template attributes:

Field	CZE_CDAB
Sequence	001
Rule	POSITION("CZB",1,XFILIAL("CZB")+M->CZE_CDAB,"CZB_DSAB")
Domain Field	CZE_DSAB
Type	P
Position?	
Owner	S

Field	CZE_CDAB
Sequence	002
Rule	POSITION("CZB",1,XFILIAL("CZB")+M->CZE_CDAB,"CZB_NMAB")
Domain Field	CZE_NMAB
Type	P
Position?	
Owner	S

Field	CZE_CDAB
Sequence	003
Rule	POSITION("CZB",1,XFILIAL("CZB")+M->CZE_CDAB,"CZB_RLAB")
Domain Field	CZE_RLAB
Type	P
Position?	
Owner	S

Field	CZE_CDAB
Sequence	004



Rule	POSITION("CZB",1,XFILIAL("CZB")+M->CZE_CDAB,"CZB_TPAB")
Domain Field	CZE_TPAB
Type	P
Position?	
Owner	S

- Table CZF – Template allocation:

Field	CZF_CDFATD
Sequence	001
Rule	POSITION("CZL",1,XFILIAL("CZL")+M->CZF_CDFATD,"CZL_DSFATD")
Domain Field	CZF_DSFATD
Type	P
Position?	
Owner	S

Field	CZF_CDGRIV
Sequence	001
Rule	POSITION("SBM",1,XFILIAL("SBM")+M->CZF_CDGRIV,"BM_DESC")
Domain Field	CZF_DSGRIV
Type	P
Position?	
Owner	S

Field	CZF_CDMD
Sequence	001
Rule	POSITION("CZL",1,XFILIAL("CZL")+M->CZF_CDFATD,"CZL_DSFATD")
Domain Field	CZF_DSTPMP
Type	P
Position?	
Owner	S

Field	CZF_CDRC
Sequence	001
Rule	POSITION("SH1",1,XFILIAL("SH1")+M->CZF_CDRC,"H1_DESCR1")
Domain Field	CZF_DSRC
Type	P



Position?	
Owner	S
Field	CZF_TPMP
Sequence	001
Rule	POSITION("SX5",1,XFILIAL("SX5")+M->CZF_TPMP,"X5_DESCRI")
Domain Field	CZF_DSTPMP
Type	P
Position?	
Owner	S

- Table CZG – Technical sheet:

Field	CZG_CDAC
Sequence	001
Rule	POSITION("SB1",1,XFILIAL("SB1")+M->CZG_CDAC,"B1_DESC")
Domain Field	CZG_DSAC
Type	P
Position?	N
Owner	S

Field	CZG_CDAC
Sequence	002
Rule	POSITION("SB1",1,XFILIAL("SB1")+M->CZG_CDAC,"B1_GRUPO")
Domain Field	CZG_CDGRIV
Type	X
Position?	N
Owner	S

Field	CZG_CDAC
Sequence	003
Rule	POSITION("SB1",1,XFILIAL("SB1")+M->CZG_CDAC,"B1_TIPO")
Domain Field	CZG_TPMP
Type	X
Position?	N
Owner	S



Field	CZG_CDFATD
Sequence	001
Rule	POSITION("CZL",1,XFILIAL("CZL")+M->CZG_CDFATD,"CZL_DSFATD")
Domain Field	CZG_DSFATD
Type	X
Position?	N
Owner	S

Field	CZG_CDGRIV
Sequence	001
Rule	POSITION("SBM",1,XFILIAL("SBM")+M->CZG_CDGRIV,"BM_DESC")
Domain Field	CZG_DSGRIV
Type	X
Position?	N
Owner	S

Field	CZG_CDMD
Sequence	001
Rule	POSITION("CZD",1,XFILIAL("CZD")+M->CZG_CDMD,"CZD_NMMD")
Domain Field	CZG_NMMD
Type	X
Position?	N
Owner	S

Field	CZG_CDRC
Sequence	001
Rule	POSITION("SH1",1,XFILIAL("SH1")+M->CZG_CDRC,"H1_DESCRI")
Domain Field	CZG_DSRC
Type	X
Position?	S
Owner	S

Field	CZG_CDRC
Sequence	002
Rule	POSITION("SB1",1,XFILIAL("SB1")+M->CZG_CDRC,"B1_GRUPO")
Domain Field	CZG_CDGRIV



Type	X
Position?	N
Owner	S

Field	CZG_CDRC
Sequence	003
Rule	POSITION("SB1",1,XFILIAL("SB1")+M->CZG_CDAC,"B1_TIPO")
Domain Field	CZG_TPMP
Type	X
Position?	N
Owner	S

Field	CZG_TPMP
Sequence	001
Rule	POSITION("SX5",1,XFILIAL("SX5")+ "02"+M->CZG_TPMP,"X5_DESCRI")
Domain Field	CZG_DSTPMP
Type	X
Position?	N
Owner	S

Configuration Procedures

1. In **Configurator(SIGACFG)** access **Environments/Registers/Parameters (CFGX017)**. Configure the following parameters:

Items/Folders	Description
Name	MV_PCPFTEC
Type	Character
Port. Cont.	N
Description	Indicates if it will register the Technical Family at product register. (Y) = Yes; (N) = No.

2. In **Configurator (SIGACFG)**, access **Environments/Registers/Menu (CFGX013)**. Enter the new option of Production Planning and Control(SIGAPCP) menu according to the following instructions:

Menu	Files
Submenu	Technical sheet



Name of Routine	Technical family
Program	PCPA105
Module	10 – PCP
Type	1
Tables	CZL
Menu	Files
Submenu	Technical sheet
Name of Routine	Attributes
Program	PCPA101
Module	10 – PCP
Type	1
Tables	CZB CZC

Menu	Files
Submenu	Technical sheet
Name of Routine	Template
Program	PCPA102
Module	10 – PCP
Type	1
Tables	CZD CZE

Menu	Files
Submenu	Technical sheet
Name of Routine	Template allocation
Program	PCPA103
Module	10 – PCP
Type	1
Tables	CZF

Menu	Files
Submenu	Technical sheet
Name of Routine	Technical sheet
Program	PCPA104



Module	10 – PCP
Type	1
Tables	CZG

Menu	Queries
Submenu	Registers
Name of routine	Technical sheet
Program	PCPC101
Module	10 – PCP
Type	1
Tables	

Procedures for Usage

1. At SIGAPCP(Production planning and control), access Updates/Registers/Technical Sheet. At the menu location, there will be register programs of Technical Family(PCPA105), Attributes(PCPA101), Templates(PCPA102), Template Allocation(PCPA103) and Technical Sheet(PCPA104).
2. At SIGAPCP(Production planning and control), access Queries/Registers/Technical Sheet. This program will query the technical sheets registered at the system.
3. The routine PCPA101(Attribute register) allows the register of information that will compose the product technical sheet, resource, product x resource, technical family, technical family x resource.
4. The routine PCPA102(Register of templates) has the objective of grouping the attributes registered.
5. The routine PCPA103 (Template allocation) has the objective of identifying the templates that should be used for each product, resources, product x resource, technical family or technical family x resource.
6. The routine PCPA104(Technical sheet register) allows the generation of the product technical sheet, resource, product x resource, technical family or technical family x resource. This technical sheet will be generated based on the template allocation(PCPA103).
7. The routine PCPA105(Technical Family Register) has the objective of registering the technical family that will be used to generate templates and technical sheets.
8. The routine PCPC101(Technical sheet query) will make possible to view the technical sheets clearly, allowing you to query the whole history of sheets.



Technical Information

Tables Used	CZB – Technical sheet attributes CZC – List attribute values CZD – Technical sheet template CZE – Template attributes CZF – Template allocation CZG - Technical sheet CZL – Technical family
Functions Involved	PCPA105 – Technical family register PCPA101 – Attribute register PCPA102 – Template register PCPA103 – Template allocation PCPA104 – Technical sheet register PCPC101 – Technical sheet query
Operating Systems	Windows/Linux