Co$ta - Package assignment

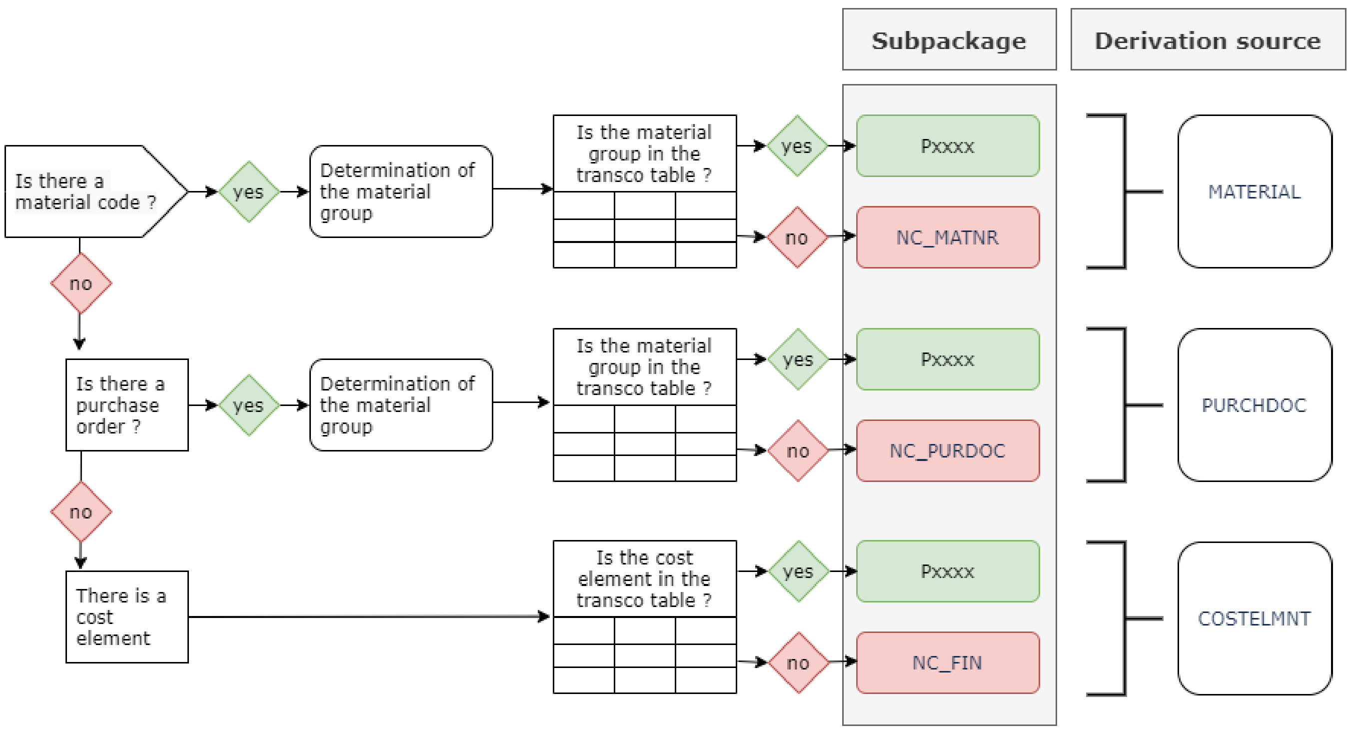
>> Back to the Co$ta project home page

[Main Principles] [Exceptions] [Package Derivation Source] [Unassigned packages]

Main Principles

The determination of the subpackage is done in 3 steps :

1. There is a material code in the posting, then the program assigns the posting using its material group
2. When there is no material code, then the program uses the material group of the purchase order when there is one to determine the subpackage
3. Where there is nor material code, neither purchase order, the determination of the subpackage is done using the cost element of the posting.



Exceptions

- **Samples in PF1**: Postings are done directly in COPA (Origin flow: COPA) in the value field VV151 which is fully assigned to the sub-package P20027.
- **IFRS16 Lease** (Origin flow: WCFI_LEASE): When there is neither article nor purchase order, the determination of the subpackage is done with the segment of vendor (mainly for cars and BGRS costs).

Package Derivation Source

The dimension "Package Derivation Source" is used to see how the sub-package is assigned to a posting:

- **MATERIAL**: There is a material code in the posting. A material group is assigned in its master data that is itself assigned to a sub-package,
- **PURCHDOC**: There is no material but a purchase order. There is a material group in the purchase order that is assigned to a sub-package,

> **Link Material group => Subpackage**
>
> - < What is package taxonomy (PCK)? > shared by PSL Data and Analytics

- **COSTELMNT**: There is neither material nor purchase order. The cost element is used to assign the sub-package,

> **Link Cost element => Subpackage**
>
> The Table ZTFI_CESBPKG - Cost elements Subpackages mapping is used to map the lowest level cost element group from the ZSOLV hierarchy to the cost sub-packages.

- **VFIELD:** This dimension is only used when the origin flow is COPA. Some postings are done directly in COPA and in some cases the assignement to a subpackage is done based on the value field used for the posting,
    - *For instance Samples in PF1 are posted in the value field VV151 which is assigned to the subpackage P20233.*
- **VENDOR:** This dimension is only used when the origin flow is WCFI_LEASE. When there is neither article nor purchase order, the determination of the subpackage is done with the vendor.
- **NERPSYST**: This dimension is only used when the origin flow is NERP. The subpackage is maintained in the file TEMPLATE ZCBS_BW that is loaded manually in BW.

Cost Package Derivation Source	Origin Flow	Actual Origin - Conso view (Conv)
COSTELMNT	WBS	75 566 469,19 EUR
	CCA	291 744 181,04 EUR
	OPA	5 746 522,76 EUR
MATERIAL	WBS	-205 136 967,15 EUR
	CCA	124 047 950,15 EUR
	OPA	15 650 379,75 EUR
	COPA	456 400,77 EUR
	FI	18 737 997,56 EUR
	WCFI_LEASE	325 958,95 EUR
NERPSYST	NERP	2 277 437,74 EUR
PURCHDOC	WBS	10 983 820,36 EUR
	CCA	81 940 474,84 EUR
	OPA	31 366 329,32 EUR
	WCFI_LEASE	8 666 977,05 EUR
VENDOR	WCFI_LEASE	453 558,53 EUR
VFIELD	COPA	214 835,91 EUR

Unassigned packages

In some cases a package can not be assigned.

When the assignement is not possible, there is a reason code in the column Cost Sub Package.

						AMOUNT
Cost Sub Package		Cost Package		Cost Macro Package		EUR
NC_FIN	NC_FIN	#	Not assigned	#	Not assigned	8,518.00
NC_MATNR	NC_MATNR	#	Not assigned	#	Not assigned	1,139.28
NC_PURDOC	NC_PURDOC	#	Not assigned	#	Not assigned	20,143.65
P20001	Base Salary	P10001	Internal	P0001	People	570,804.68
P20002	Social Charges	P10001	Internal	P0001	People	234,550.76
P20004	Bonus & Premium PSU	P10001	Internal	P0001	People	20,624.34

- **NC_MATNR** (1): There is a material code with a material group but the material group is not assigned to a sub-package.

In the example, the material group 0112 (2) is assigned to the material code 1062492 (3) however the material group 0112 is not assigned to a sub-package in the transcodification table.

=> The material group 0112 should be included in the table and assigned to a sub-package.

										AMOUNT
Cost Sub Package		Cost Package		Cost Macro Package		Material - Material Group		Material		EUR
NC_MATNR	NC_MATNR	#	Not assigned	#	Not assigned	0112	#FITTINGS###########	1062492	RACCORDO RAPIDO A LEVA TIPO D A316 DN20	541.97
NC_MATNR	NC_MATNR	#	Not assigned	#	Not assigned	0112	#FITTINGS###########	1062500	Tubo flessibile in materiale composito	442.82
NC_MATNR	NC_MATNR	#	Not assigned	#	Not assigned	0112	#FITTINGS###########	1062563	FLANGE PIANE FE UNI2278 PN16 DN15	2.09
NC_MATNR	NC_MATNR	#	Not assigned	#	Not assigned	0112	#FITTINGS###########	1062564	FLANGE PIANE FE UNI2278 PN16 DN20	11.69
NC_MATNR	NC_MATNR	#	Not assigned	#	Not assigned	0112	#FITTINGS###########	1062565	FLANGE PIANE FE UNI2278 PN16 DN25	5.20
NC_MATNR	NC_MATNR	#	Not assigned	#	Not assigned	0112	#FITTINGS###########	1062568	FLANGE PIANE FE UNI2278 PN16 DN50	19.77
NC_MATNR	NC_MATNR	#	Not assigned	#	Not assigned	0112	#FITTINGS###########	1062583	FLANGE FE FILETTATE UNI 2254 DN15	6.10
NC_MATNR	NC_MATNR	#	Not assigned	#	Not assigned	0112	#FITTINGS###########	1062585	FLANGE FE FILETTATE UNI2254 DN25	9.06
NC_MATNR	NC_MATNR	#	Not assigned	#	Not assigned	0112	#FITTINGS###########	1062615	FLANGIA LIBERA STAMPATA DN15 A304	6.16
NC_MATNR	NC_MATNR	#	Not assigned	#	Not assigned	0112	#FITTINGS###########	1062617	FLANGIA LIBERA STAMPATA DN25 A304	2.62
NC_MATNR	NC_MATNR	#	Not assigned	#	Not assigned	0112	#FITTINGS###########	1062620	FLANGIA LIBERA STAMPATA DN50 A304	19.64
NC_MATNR	NC_MATNR	#	Not assigned	#	Not assigned	0112	#FITTINGS###########	1062663	CURVE A316 90° 33,7X2 1"	7.83
NC_MATNR	NC_MATNR	#	Not assigned	#	Not assigned	0112	#FITTINGS###########	1062664	CURVE A316 90° 42,4X3 1 1/4"	10.97
[illegible]	NC_MATNR	#	Not assigned	#	Not assigned	[illegible]	#FITTINGS###########	[illegible]	CURVE A316 90° 60,3X3 2"	24.09
[illegible]	NC_MATNR	#	Not assigned	#	Not assigned	[illegible]	#FITTINGS###########	[illegible]	TAPPO MASCHIO TPM-3 da 1" GK	2.14
[illegible]	NC_MATNR	#	Not assigned	#	Not assigned	[illegible]	#FITTINGS###########	[illegible]	GIRELLA CIECA DIN11851-52 DN 50	503.90
[illegible]	NC_MATNR	#	Not assigned	#	Not assigned	0112	#FITTINGS###########	[illegible]	UNITA' TODO MATIC 2" SELETTIVITA' V	792.83
NC_MATNR	NC_MATNR	#	Not assigned	#	Not assigned	0112	#FITTINGS###########	1113515	Flange con manicotti in AISI 304	638.00

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- **NC_PURDOC** (1): There is a purchase order with a material group but the material group is not assigned to a sub-package.

In the example, the material group 0078 (2) is not assigned to a sub-package in the transcodification table.

								AMOUNT
Cost Sub Package		Cost Package		Cost Macro Package		Purchase Doc - Material Group		EUR
NC_PURDOC	NC_PURDOC	#	Not assigned	#	Not assigned	0078	ELECTRICITY SUPPLY	323,571.20
NC_PURDOC	NC_PURDOC	#	Not assigned	#	Not assigned	0269	TOLLING SVCS	735,659.50
[illegible]	NC_PURDOC	#	Not assigned	#	Not assigned	0308	[illegible]ERPRISE SOFTWARE	7,830.00
[illegible]	NC_PURDOC	#	Not assigned	#	Not assigned	0317	[illegible] GAS /CYLINDER	12,751.20
[illegible]	NC_PURDOC	#	Not assigned	#	Not assigned	0451	[illegible]M PROD >RAW MAT	5,190.00
[illegible]	NC_PURDOC	#	Not assigned	#	Not assigned	0587	[illegible] GAS /PROC SVCS	1,360.00

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=> The material group 0078 should be included in the table and assigned to a sub-package.

- **NC_FIN** (1): There is a cost element that is not assigned to a sub-package.

In the example, the cost element 98120010 (2) is not assigned to a sub-package in the transcodification table.

=> The cost element 98120010 should be included in the table and assigned to a sub-package.

								AMOUNT
Cost Sub Package		Cost Package		Cost Macro Package		Cost Element		EUR
NC_FIN	NC_FIN	#	Not assigned	#	Not assigned	98120010	VSE FREIGHT ON SALES	2,204.56
NC_FIN	NC_FIN	#	Not assigned	#	Not assigned	98150890	VC FREIGHT ON RM PUR	
NC_FIN	NC_FIN	#	Not assigned	#	Not assigned	98150970	SC FREIGHT	832.49
NC_FIN	[illegible]	#	Not assigned	#	Not assigned	[illegible]	MAINT SUPPLIES	12,198.03
NC_FIN	[illegible]	#	Not assigned	#	Not assigned	[illegible]	SC OTHER SERV	-3,768.27
NC_FIN	[illegible]	#	Not assigned	#	Not assigned	[illegible]	MAINTENANCE	4,584.00
NC_FIN	[illegible]	#	Not assigned	#	Not assigned	[illegible]	FC - MAINTENANCE EGM	