

# 4.1.2c - Master Data from SAP

## SKU Plant/Warehouse SKU Shipping in DiP

Dimension	How to see SKU in DiP	Terms
Source	SAP transaction code <b>MM03</b> DynaSys DP DynaSys DiP	
Condition	a. The BU of Material x Plant should be part of DynaSys 's scope in BW filters (if not, ask SBS to tell BW team to add it) b. The Plant/Warehouse should be part of DynaSys 's scope in SAP ( if not, ask SBS to tell BW team to add it) c. At least one material x plant view (MRP1,2,3...) exists in SAP d. At least 1 costing view exists in SAP	
Frequency	Daily update (update to DynaSys DiP during daily Static import)	*should bear 2 days of delay if the Plant /Warehouse not exist yet  need to add the new material/shipto to SAP by creating a ticket thereafter SBS will interface this to DynaSys DP.
Trouble-shooting	Normally, a material that has all Material x Plant views (MRP views) & at least 1 costing view, should be created in DiP-PP (2 days of delay since moment of creation). If the SKU fulfills these 2 conditions but doesn't exist in DiP => contact SBS  Note: Another reason could be that the SKU belongs to a new plant, in that case raise a ticket to SBS to add it to the DynaSys's scope.	

## ABC Indicator

SAP Transaction **MM03** allow the user to view the Material data

ABC Indicator is in tab MRP1

**MM03**

Display Material 100220 (/Finished pdt & RM & SF)

Additional Data Org. Levels

Purchase order text **MRP 1** MRP 2 MRP 3 MRP 4 Work scheduling Plant d...

Material 100220 SOPROPHOR T5 10 440.92LB CHS  
 Plant 0263 7424 Spartanburg

General data  
 Base Unit of Measure LB US pound MRP group ZM01  
 ABC Indicator D

Plant-sp.matl status Valid from

I400 - Distribution imported datas (day) I400 Planning Strategy (ABC Indicator)

28190 / 1	Data fields
SKU	I400 Planning Strategy (ABC Indicator)
100187R@64508R	ZZ
100220R@0263R	D
100220R@0294R	D

**DiP-PP**

Batch size

SAP Transaction **MM03** allow the user to view the Material data

Fixed lot size is in tab MRP1

Purchase order text | **MRP 1** | MRP 2 | MRP 3 | MRP 4 | Forecasting | Work scheduling

Material 10454 | HODIASOLV RPDE FUTS METAL 225 KG  
Plant 7512 | ZFR3 Clamecy

**MM03**

**General data**

Base Unit of Measure	KG	kg	MRP group	Z009
Plant-sp.matl status	Z4		ABC Indicator	G
			Valid from	

**MRP procedure**

MRP Type	ZD	Copy of PD + uploaded in	APO
Reorder Point	0	Planning time fence	0
Planning cycle		MRP Controller	003

**Lot size data**

Lot size	FX	Fixed order quantity	
Fixed lot size	18.000	Maximum stock level	0
Assembly scrap (%)	0,00	Takt time	0
Unit of Measure Grp			

**DiP-PP**

28189 / 1	Data fields
Item	300 Batch size [KG]
10454R@7512R	18 000
10455R@7512R	43 000
10467R@7512R	10 800
10468R@7666R	2 000
10471R@7666R	28 600

### Country of origin

SAP Transaction **MM03** allow the user to view the Material data

Country of origin is in tab Foreign trade export

I400 - Distribution imported datas (day) - I400 Country of origin

Item	Data fields
47076 / 0	I400 Country of origin
105635R@7900R	CN
110663R@8035R	CN
143467R@8505R	US
143509R@8505R	US
143598R@8356R	MX
143599R@8356R	MX
143601R@8356R	MX
143637R@8505R	US
143684R@8505R	US
143740R@8505R	US
143782R@8505R	US
143896R@8505R	US
144042R@8505R	US
150851R@8509R	NL
61651R@0294R	US

Material 110663 R1CORR 75 250KG PLASTIC DRUM  
Plant 8035 7810 Zhangjiagang

Foreign trade data

Comm./mp. code no. 2931399090 Other organo-inorganic compounds contain Un

Export/import group

CAS number (pharm.)

PRODCOM no.

Control code

Origin / EU market organization / preferences

Country of origin CN Region of origin

CAP product list no.

CAP prod. group

Preference status Not maintained Customs tariff prefs

**MM03**

## Frozen period production

SAP Transaction **MM03** allow the user to view the Material data

Planning time fence is in tab MRP1

I300 - Production imported datas (day) - I300 Frozen period production

Item	Data fields
34219 / 0	I300 Frozen period production [Standard Day]
100438R@7605R	7.00
100438R@7622R	3.00
100440R@0278R	7.00
100440R@8007R	5.00
100440R@8087R	5.00
100656R@8172R	7.00
100658R@7622R	3.00
100687R@8172R	7.00
101399R@7622R	3.00
101399R@8172R	7.00
101441R@0087R	5.00
101441R@7622R	3.00
101445R@0087R	5.00
101445R@0278R	1.00
101445R@7622R	3.00
101445R@7994R	1.00
101445R@8007R	5.00
101445R@8103R	1.00
101445R@8172R	21.00
101764R@7622R	3.00
101942R@8007R	5.00
101942R@8087R	5.00
102352R@0087R	5.00
102352R@7622R	3.00
102352R@8172R	1.00
102400R@7528R	1.00
102515R@7528R	60.00

Material 100438 EOSIL 1165MP 650KG/PAL  
Plant 7605 6746 Incheon

General data

Base Unit of Measure KG kg MRP group 2001

Plant-sp.matl status

MRP procedure

MRP Type Z3 Copy of P3 + uploaded in APO

Reorder Point 0

Planning cycle

Planning time fence 7

MRP Controller 300

Lot size data

Lot size EX Lot-for-lot order quantity

Minimum Lot Size 1.000 Maximum Lot Size 0

**MM03**

## Good receipt processing time

SAP Transaction **MD04** allow the user to view the Material data

GR processing time is in tab MRP2

I300 - Production imported datas (day) - I300 Good receipt processing time

47076 / 0	Data fields
Item	I300 Good receipt processing time [Standard Day]
105635R@7900R	7.00
105635R@8035R	1.00

MD04

Display Material 105635 (/Finished pdt & RM & SF)

Additional Data Org. Levels

MRP 1 MRP 2 MRP 3 MRP 4 Work scheduling Plant data / stor. 1 Plant d...

Material 105635 I BRICORR 75:IBC:1400KG  
Plant 7900 7424 / Chempak Houston

Procurement

Procurement type F Batch entry  
Special procurement GE Prod. stor. location  
Quota arr. usage Default supply area  
Backflush 2 Storage loc. for EP  
JIT delivery sched. Stock det. grp  
 Co-product  
 Bulk material

Scheduling

In-house production 1 days Planned Delv. Time 60 days  
GR processing time 7 days Planning calendar  
SchedMargin key 000

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## HTS

SAP Transaction **MM03** allow the user to view the Material data

Foreign trade data - Comm./imp. code no. is in tab Foreign trade import

I400 - Distribution imported datas (day) - I400 HTS

47076 / 0	Data fields
SKU	I400 HTS
105635R@7900R	2931399000
105635R@8035R	2931399090
110663R@8035R	2931399090
118364R@8035R	2931399090
143467R@8505R	34029099
143509R@8505R	34021199
143598R@8356R	39092099
143599R@8356R	39092099
143601R@8356R	39092099
143637R@8505R	34021199
143684R@8505R	29171902
143740R@8505R	34029099
143782R@8505R	34029099
143896R@8505R	34021199
144042R@8505R	34029099
150851R@8509R	3402900090
61651R@0294R	2920900002

MM03

Material Edit Goto Environment System Help

Display Material 105635 (/Finished pdt & RM & SF)

Additional Data Org. Levels

Purchasing Foreign trade import Purchase order text MRP 1 MRP 2 MRP 3 MRP 4

Material 105635 BRICORR 75:IBC:1400KG  
Plant 8035 7810 Zhangjiagang

Foreign trade data

Comm./imp. code no. 2931399090 Other organo-inorganic compounds contain Un

Export/import group  
CAS number (pharm.)  
PRODCOM no.

## Minimum run

SAP Transaction **MM03** allow the user to view the Material data

Minimum Lot Size is in tab MRP1

Display Material 143598 (/Finished pdt & RM & SF) **MM03**

Additional Data Org. Levels

Purchase order text MRP 1 MRP 2 MRP 3 MRP 4 Work scheduling Plant d...

Material 143598 YFLOC C515 BULK  
Plant 8356 7723 Atequiza

General data

Base Unit of Measure

Plant-sp. ma 47076 / 0 Data fields

Item	1300 Minimum run [KG]
143467R@8505R	215
143509R@8505R	227
143598R@8356R	30 000
143599R@8356R	215

Lot size data

Lot size EX Lot-for-lot order quantity

Minimum Lot Size 30.000 Maximum Lot Size 0  
Maximum stock level 0

1300 - Production imported datas (day) - 1300 Minimum run

## Moving price

SAP Transaction **MM03** allow the user to view the Material data

Moving price is in tab Accounting1

I400 - Distribution imported datas (day) I400 Unit moving price

SKU	1400 Unit moving price [€/KG]
105635R@7900R	1.65
105635R@8035R	0.69
110663R@8035R	0.71
118364R@8035R	0.72
143467R@8505R	2.14
143509R@8505R	1.31
143598R@8356R	0.40
143599R@8356R	0.56
143601R@8356R	0.58
143637R@8505R	14.05
143684R@8505R	4.23
143740R@8505R	1.57
143782R@8505R	4.22
143896R@8505R	1.79
144042R@8505R	1.77
150851R@8509R	1.92
61651R@0294R	3.82

Display Material 110663 (/Finished pdt & RM & SF) **MM03**

Additional Data Org. Levels

Quality management Accounting 1 Accounting 2 Costing 1 Costing 2 Plant stock Sto...

Material 110663 RICORR 75 250KG PLASTIC DRUM  
Plant 8035 7810 Zhangjiagang

General Data

Base Unit of Measure KG kg Valuation Category  
Currency CNY Current period 09 2019  
Division TL Price determ.  ML act.

Current valuation

Valuation Class Z150  
VC: Sales order stk  
Price control S  
Moving price 5.600,50  
Total Stock 0

Proj. stk val. class  
Price unit 1.000  
Standard price 5.668,25  
Total Value 0,00

Valuated Un

## Procurement type

SAP Transaction **MM03** allow the user to view the Material data

Procurement type is in tab MRP2

Display Material 100220 (/Finished pdt & RM & SF) **MM03**

Additional Data Org. Levels

MRP 1 MRP 2 MRP 3 MRP 4 Work scheduling Plant data / stor. 1 Plant d...

Material 100220 OPROPHOR TS 10 440.92LB CHS  
Plant 0263 7424 Spartanburg

Procurement

Procurement type E Batch entry  
Special procurement Prod. stor. location  
Quota arr. usage Default supply area  
Backflush 2 Storage loc. for EP  
JIT delivery sched. Stock det. grp  
Co-product

1400 - Distribution imported datas (day) - 1400 Procurement type

28190 / 1	Data fields
SKU	1400 Procurement type
100187R@64508R	Not defined
100220R@0263R	E
100220R@0294R	F

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## Rounding value

SAP Transaction **MM03** allow the user to view the Material data

Rounding value is in tab MRP1

1400 - Distribution imported datas (day) - 1400 - Rounding value

47076 / 0	Data fields
SKU	1400 - Rounding value [KG]
105635R@8035R	1.400
110663R@8035R	250
118364R@8035R	
143467R@8505R	
143509R@8505R	
143598R@8356R	
143599R@8356R	
143601R@8356R	
143637R@8505R	
143684R@8505R	
143740R@8505R	
143782R@8505R	
143896R@8505R	
144042R@8505R	
150851R@8509R	

Display Material 105635 (/Finished pdt & RM & SF) **MM03**

Additional Data Org. Levels

Purchase order text MRP 1 MRP 2 MRP 3 MRP 4 Work scheduling Plant data / stor. 1

Material 105635 IRICOPR 75:IBC:1400KG  
Plant 8035 7810 Zhanjiangang

General data

Base Unit of Measure KG kg MRP group Z002  
ABC indicator B  
Plant-sp.matl status Valid from

MRP procedure

MRP Type ZD Copy of PD + uploaded in APO  
Reorder Point 0 Planning time fence 0  
Planning cycle MRP Controller 105

Lot size data

Lot size ZM Monthly lot size (Req date :=del date)  
Minimum Lot Size 0 Maximum Lot Size 0  
Maximum stock level 0  
Assembly scrap (%) 0,00 Takt time 0  
Rounding Profile Rounding value 1.400  
Unit of Measure Grp

# Safety stock days

SAP Transaction **MM03** allow the user to view the Material data

Safety time/act.cov. is in tab MRP2

Display Material 101655 (/Finished pdt & RM & SF)

Additional Data Org. Levels

MRP 1 **MRP 2** MRP 3 MRP 4 Work scheduling Plant data / stor. 1 Plant data / stor. 2

Material 101655 ALKAMULS VO 2003 2200LB TOTE  
Plant 0246 7424 Blue Island

Item	Data fields
101655R@0246R	1300 Safety stock days 3.00
103427R@7851R	3.00

1300 - Production imported datas (day) 1300 Safety stock days

Scheduling

In-house production 0 days Planned Deliv. Time 2 days  
GR processing time 0 days Planning calendar US  
SchedMargin key 010

Net requirements calculation

Safety stock 0 Service level (%) 0.0  
Min safety stock 0 Coverage profile  
Safety time ind. 2 Safety time/act.cov. 3 days  
STime period profile

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# Safety stock quantity

SAP Transaction **MM03** allow the user to view the Material data

Safety stock is in tab MRP2

1300 - Production imported datas (day) 1300 Safety stock quantity

Item	1300 Safety stock quantity (KG)
143467R@8505R	3 232
143509R@8505R	4 536
143599R@8356R	18 785
143684R@8505R	1 988
143740R@8505R	1 134
143782R@8505R	1 170
143896R@8505R	1 584
144042R@8505R	5 171
150851R@8509R	20 000
61651R@0294R	32 659

Material 143467 EROSOL OT75 475LB (215.459KG) CHP  
Plant 8505 7723 / FH Logist Azcapotzalco

Procurement

Procurement type F Batch entry

Special procurement ET Prod. stor. location

Quota arr. usage  Default supply area

Backflush 2 Storage loc. for EP

JIT delivery sched.  Stock det. grp

Co-product

Bulk material

Scheduling

In-house production 0 days Planned Delv. Time 27 days

GR processing time 3 days Planning calendar

SchedMargin key 000

Net requirements calculation

Safety stock 3. 231, 885 Service level (%) 0, 0

Min safety stock 0 Coverage profile

Safety time ind.  Safety time/act.cov. 0 days

STime period profile

**MM03**

## Special Procurement key

SAP Transaction **MM03** allow the user to view the Material data

Special procurement is in tab MRP2

Display Material 100220 (/Finished pdt & RM & SF)

Additional Data Org. Levels

MRP 1 MRP 2 MRP 3 MRP 4 Work scheduling Plant data / stor. 1 Plant data / stor. 2

Material 100220 OPROPHOR TS 10 440.92LB CHS  
Plant 0294 7424 / Sunland Greenville

Procurement

Procurement type F Batch entry

Special procurement E5 Prod. stor. location

Quota arr. usage  Default supply area

Backflush 2 Storage loc. for EP

JIT delivery sched.  Stock det. grp

Co-product

Bulk material

**MM03**

1400 - Distribution imported datas (day) 1400 Special Procurement Key

SKU	1400 Special Procurement Key
100187R@64508R	ZZ
100220R@0263R	
100220R@0294R	E5
100220R@2026282R	ZZ

**DiP-PP**

# Total Replenishment Lead time (RLT) from MRP3

SAP Transaction **MM03** allow the user to view the Material data

Tot. repl. lead time is in tab MRP3

The screenshot shows the SAP MM03 interface for material 110663. The 'MRP3' tab is active, and the 'Tot. repl. lead time' is displayed as 20 days. A red box highlights the material and plant information, and another red box highlights the lead time value. A red arrow points from the lead time value to the '110663R@8035R' row in the table on the left.

SKU	1400 Total RLT from MRP3 (SAP) [Standard Day]
105635R@7900R	60.00
105635R@8035R	20.00
110663R@8035R	20.00
118364R@8035R	20.00
143467R@8505R	30.00
143509R@8505R	31.00
143598R@8356R	24.00
143599R@8356R	24.00
143601R@8356R	24.00
143637R@8505R	36.00
143684R@8505R	45.00
143740R@8505R	25.00
143782R@8505R	52.00
143896R@8505R	30.00
144042R@8505R	27.00
61651R@0294R	14.00

# Unit standard cost (CCR)

SAP Transaction **MM03** allow the user to view the Material data

Currency & Standard price is in tab Costing2

The screenshot shows the SAP MM03 interface for material 10454. The 'Costing2' tab is active, and the 'Standard price' is displayed as 920,58. A red box highlights the 'Standard price' field, and a red arrow points from it to the '10454R@7512R' row in the table on the right.

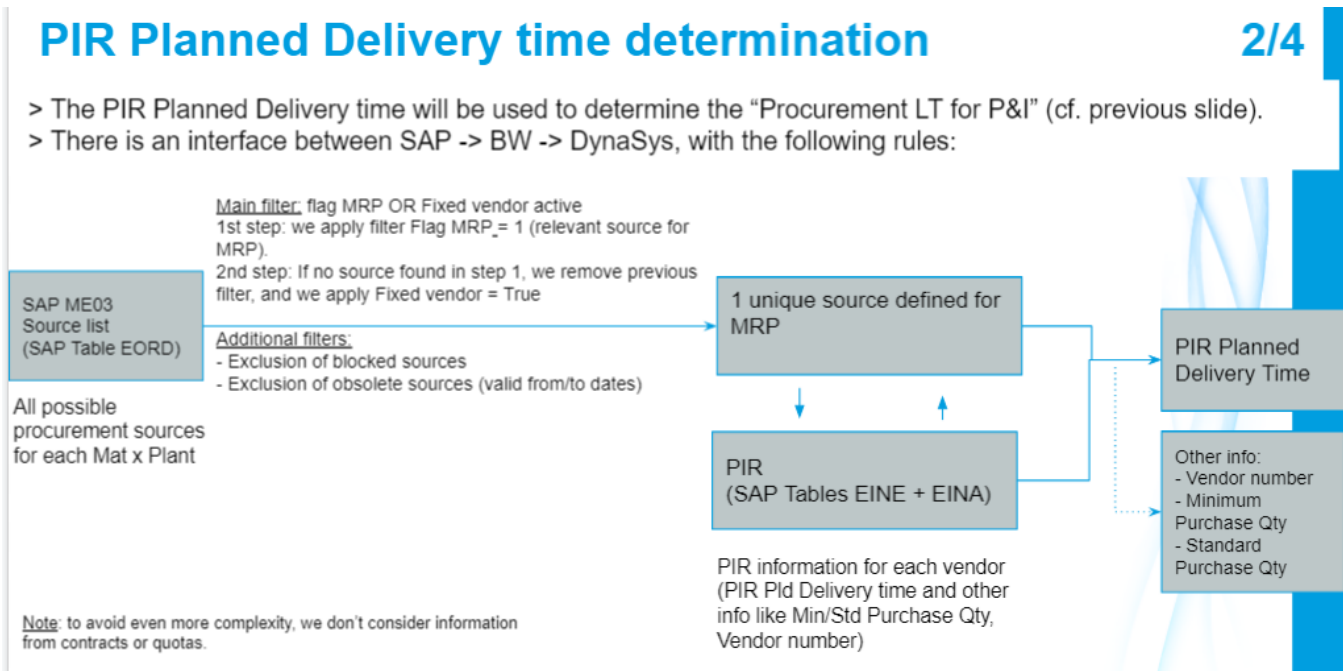
SKU	1400 Unit Standard Cost (CCR) € [€/KG]
104395R@8098R	1.29778
104530R@7897R	1.55968
10454R@7512R	0.92058
10455R@7512R	0.72704
10455R@8584R	0.72705

# PIR Planned Delivery time

> The PIR Planned Delivery time will be used to determine the "Procurement LT for P&I".

> There is an interface between SAP -> BW -> DynaSys to determine the 'PIR Planned Delivery time'

> The same interface is used to determine the 'Vendor number', 'Minimum Purchase Quantity' and 'Standard Purchase Quantity'



### Number of Vendor / Suppliers

The "Number of Suppliers" (or "Number of vendors") is calculated from the number of valide suppliers available in SAP Purchasing Source List, tcode ME03 (or can also access Table EORD).

In a nutshell, we take all sources and we apply the following filters in order to keep only the valid ones:

- Exclusion of blocked sources
- Exclusion of obsolete sources (using validity date)



**Note:** as we can see above, we take almost the same filters as when calculating the 'PIR Planned Delivery time' except the 'flag MRP' or 'Fixed vendor'