

2. Procurement LT for P&I

In DynaSys, the tab "Procurement LT for PI" will be the one used to calculate the "Procurement LT" used for P&I.

Material	SKU	Procurement type	Valuation class final	Procurement LT historical from Purch Orders [Day]	Planned delivery time MRP2 SAP [Day]	Planned delivery time from SAP PIR [Day]	Planned delivery time override [Day]	Planned delivery time final [Day]	Plant Purchase processing time [Day]	Procurement LT [Day]	GR processing lead time [Day]	Mono level RL [Day]
108158R	RHODASURF BC 720 2200LB TOTE 7723 Atequiza	F External procurement	Z100R CS Raw Materials		13.00	13.00	-INF	13		13.00	2	15.00
128853R	TALL OIL FATTY ACIDS 190KG DR 7723 Atequiza	F External procurement	Z100R CS Raw Materials		30.00		-INF	30		30.00	2	32.00
143460R	AEROFROTH 70 800KG 1764LB IBC 7723 Atequiza	X Both procurement types	Z150R CS Finished Products		86.00		-INF				2	2.00
143485R	AERO 3302 1000KG 2205LB SX IBC 7723 Atequiza	X Both procurement types	Z140R CS Intermediates	60.00	2.00	2.00	-INF	2		2.00		2.00
143566R	AERO 407 1150KG 2315LB IBC 7723 Atequiza	X Both procurement types	Z150R CS Finished Products				-INF				2	2.00
143589R	CYQUEST DP-6 249KG 549LB ST TH DR 7723 Atequiza	F External procurement	Z150R CS Finished Products	31.00	10.00		-INF	10		10.00	7	17.00
143591R	CYQUEST DP-6 1270KG 2800LB IBC 7723 Atequiza	F External procurement	Z150R CS Finished Products	19.00	10.00		-INF	10		10.00	3	13.00
143592R	CYQUEST 3223 249KG 549LB ST TH DR 7723 Atequiza	F External procurement	Z100R CS Raw Materials				-INF				2	2.00
143621R	AERODRI 104 18KG 40LB PE PL 7723 Atequiza	X Both procurement types	Z150R CS Finished Products				-INF				2	2.00
143628R	AEROFROTH 88 873KG 1925LB IBC 7723 Atequiza	F External procurement	Z150R CS Finished Products	30.00			-INF				2	2.00
143646R	AEROSOL OT70PG 40LB (18.144KG) 5GAL JC 7723 Atequiza	F External procurement	Z150R CS Finished Products				-INF				2	2.00
143649R	AEROSOL OT70PG 2375LB (1077.293KG) TOTE 7723 Atequiza	F External procurement	Z150R CS Finished Products				-INF				3	3.00
143678R	AEROFLOAT 241 1150KG 2535LB MX IBC 7723 Atequiza	X Both procurement types	Z150R CS Finished Products				-INF				2	2.00
143692R	AEROPHINE 3418A BULK 7723 Atequiza	X Both procurement types	Z150R CS Finished Products				-INF					
143694R	AEROPHINE 3418A 227KG 500LB PE DR 7723 Atequiza	X Both procurement types	Z150R CS Finished Products	56.00			-INF				3	3.00
143696R	AEROPHINE 3418A 1000KG 2205LB IBC 7723 Atequiza	F External procurement	Z150R CS Finished Products	41.00	10.00		-INF	10		10.00	3	13.00
143698R	AERO-PHOS 800 1000KG 2205LB MX IBC 7723 Atequiza	F External procurement	Z150R CS Finished Products		143.00		-INF	143		143.00	2	145.00
143730R	AERO 845 227KG 500LB PE TH DR 7723 Atequiza	F External procurement	Z150R CS Finished Products				-INF				3	3.00
143748R	CYANEX 272 181KG 400LB DR 7723 Atequiza	F External procurement	Z150R CS Finished Products			51.00	-INF	51		51.00	2	53.00
143764R	CYFLOC-A-130 25KG 55.1LB BG (S/W) 7723 Atequiza	F External procurement	Z150R CS Finished Products				-INF				3	3.00
143799R	CYFLOC-A-100 25KG 55.1LB PLAS BG WHT 7723 Atequiza	F External procurement	Z150R CS Finished Products		65.00		-INF	65		65.00	2	67.00

The final value of the "Procurement LT for P&I" will be the result of the following values, each with different priorities.

More information about each lead time below:

> **Historical median Procurement LT** : this is only displayed as information. It's median value calculated from historical Purchase Orders in SAP in the last 12 calendar months (we take the median of the lead times of each PO, this lead time being = date of PO reception - date of PO creation).

It is calculated in BW taking the rule : for every Material x Plant, we extract all the stock entries (Quantity) from Material Documents of MB51 due to a PO and we calculate the lead time (Lead time = Posting date - Date of PO creation). Then, we calculate the Median value

Note: the median is the middle number in a sorted, ascending or descending, list of values.

Example: RHODIASOLV RPDE FUTS METAL 225 KG @ Clamecy / 10454 @ 7512

In this case, this Material has 3 entries (Posting Date = 27/03/2020) for a PO created in 26/12/2019

Source Syste	BW: Document Ye	Number of material document	Item in material document	Additional Key Field	Revaluation Document	Calendar Day	BW: Document Num
WQ1_400	2020	4933995460	0001		0000000001	27.03.2020	4503814574
WQ1_400	2020	4933995460	0002		0000000001	27.03.2020	4503814574
WQ1_400	2020	4933995460	0003		0000000001	27.03.2020	4503814574

Source Syste	Doc. Number	Purchase Order It	V	Material	Requirements Date	Change flag
WQ1_400	4503814574	000010	A	00000000000162296	26.12.2019	

Historical median Planned delivery time value = 27/03/2020 - 26/12/2019 = 92 days

> **Planned delivery time from MRP2** : this is the initial value taken into account to determine the "Procurement LT for P&I". It takes the Pld Delivery time from SAP MRP2 view. For more information about MRP2 Pld Delivery time, please refer to: [SAP Purchase LT](#)

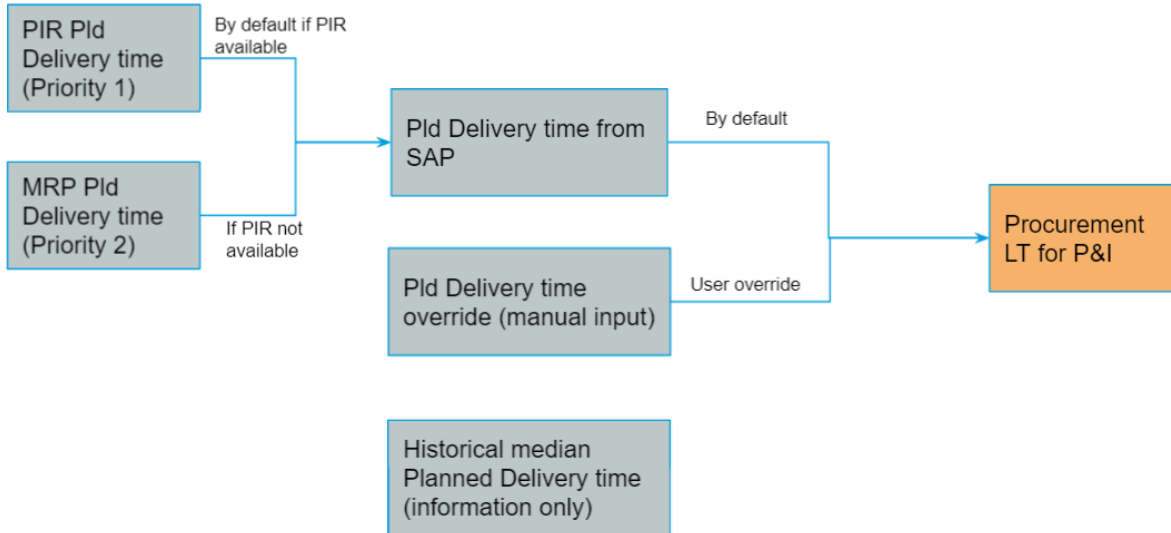
> **Planned Delivery time from PIR**: If available, this value becomes priority to the one above from MRP2. This LT coming from the Purchase Info Record. For more information about PIR Pld Delivery time, please refer to: [SAP Purchase LT](#)

> **Proc LT override**: user can override the value (Optional, not mandatory).

> **Procurement LT for P&I:** this will be the result of the logic from previous lines (refer to schema below)

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Note:

a> if "PIR Pld Delivery time" and "MRP Pld Delivery time" are both empty, the "Procurement LT for P&I" will be 0 (unless the User keys in a value in the datafield "Pld Delivery time override").

b> the "Historical median Planned delivery time" is only displayed as information and can be used as referent of a historical value by the user. It means that it's not automatically considered in the final value of "Procurement LT for P&I".

This is a design choice and the rationnel behind it is that this "historical median value", even though is a good reference, can sometimes be inflated.

=> To help detect the cases where neither PIR Pld Delivery time nor MRP2 Pld Delivery time is maintained, there is an alert at the beginning of P&I Process : in the WS "SAP Data Quality", the Alert "SKU Purchased without Pld Delivery time". The missing values can be shared with the Site SC department.

=> The Mass upload from a .xml file could help speed up extraction/upload part.