

7. Frequency of Inbound

Number of inbound shipments = By default equal to 1, it corresponds to the number of inbound shipments during RLT

- > Used to adjust Cycle stock formula for Finished Goods, if standing on a Distribution Center.
- > Used to calculate Cycle Stock for Raw Materials and Intermediates that are replenished.

| Material | SKU | Nb of stock entries SAP | SHS RLT final [Day] | Nb of inbound days per year [Day] | Nb of inbound shipment | Nb of inbound shipment override | Nb of inbound shipment final |
|--------------------------------|----------------------------------|-------------------------|---------------------|-----------------------------------|------------------------|---------------------------------|------------------------------|
| ACTALYS 2447 L5 (HSET) BASF BB | 125945R@7677R ACTALYS 2447 L5 (H | | 6 | 365 | 1 | +INF | 1 |
| ACTALYS 2447 L5 (HSET) HSE 100 | 54097R@7677R ACTALYS 2447 L5 (H | 1 | 7 | 365 | 1 | +INF | 4 |
| ACTALYS 2447 L5 CAKE | 119881R@7677R ACTALYS 2447 L5 C | | 3 | 365 | 1 | +INF | 1 |
| ACTALYS 2447 L5 HSE | 119396R@7677R ACTALYS 2447 L5 H | | 3 | 365 | 1 | +INF | 1 |
| ACTALYS 26 BASF 100 KG | 111530R@7677R ACTALYS 26 BASF 1 | | 8 | 365 | 1 | +INF | 1 |
| ACTALYS 26 HSE 100 KG | 82635R@7677R ACTALYS 26 HSE 100 | 1 | 6 | 365 | 1 | +INF | 10 |
| ACTALYS 4330 L5 | 119303R@7677R ACTALYS 4330 L5 Z | 4 | 3 | 365 | 1 | +INF | 1 |
| ACTALYS 4330 L5 PULPE | 119889R@7677R ACTALYS 4330 L5 P | 3 | 3 | 365 | 1 | +INF | 3 |
| ACTALYS 4330 L5 UMI BB 500 KG | 24866R@7677R ACTALYS 4330 L5 UM | | 7 | 365 | 1 | +INF | 1 |
| ACTALYS 4414 | 119415R@7677R ACTALYS 4414 ZFR | | 3 | 365 | 1 | +INF | 1 |
| ACTALYS 4414 L1 OMG 80 KG | 71280R@7677R ACTALYS 4414 L1 OM | | 5 | 365 | 1 | +INF | 1 |
| ACTALYS 4465 100 KG | 149281R@7677R ACTALYS 4465 100 | | 6 | 365 | 1 | +INF | 1 |
| ACTALYS 4800 L5 | 119402R@7677R ACTALYS 4800 L5 Z | | 3 | 365 | 1 | +INF | 1 |
| ACTALYS 4800 L5 NQ 100 KG | 48897R@7677R ACTALYS 4800 L5 NQ | | 6 | 365 | 1 | +INF | 1 |
| ACTALYS 530 | 321652R@7677R ACTALYS 530 ZFR3 | 46 | 3 | 365 | 1 | +INF | 1 |
| ACTALYS 530 CAKE | 321653R@7677R ACTALYS 530 CAKE | 19 | 3 | 365 | 1 | +INF | 1 |
| ACTALYS 530 LR 125 KG | 321617R@7677R ACTALYS 530 LR 12 | | 10 | 365 | 1 | +INF | 1 |
| ACTALYS 530 LR 800 KG | 322263R@7677R ACTALYS 530 LR 80 | 16 | 8 | 365 | 1 | +INF | 1 |
| ACTALYS 6340 CAKE | 119887R@7677R ACTALYS 6340 CAK | 35 | 3 | 365 | 1 | +INF | 1 |

Note: this view only shows the Materials which are Purchased (i.e. Procurement type <=> E 'In House Production').

- 1> User can define the number of inbound days per year by Site (by default = 365, in the same we have put 210 for Mexico Natie)
- 2> Frequency of inbound calculated from SAP stock entries, it works as the initial value (see explanation below).
- 3> Optional: user can manually override the value
- 4> This is the final value that will be used for Cycle stock formula.

Nb of Inbound shipments from SAP

As we saw before, the 'Nb of inbound shipments from SAP' is calculated and constitutes the initial (default) value. How is it calculated?

1. We extract all the stock entries from Material Documents of MB51, calculating the number of lines with different posting dates.
2. Then we calculate the Number of inbound shipments as follows :

Number of inbound shipments = Number of stock entries SAP last 12 months * (SHS RLT / Number of inbound days by Site per year)

Note: - when previous calculations returns a value < 1, we round it to 1 (because we have at least 1 inbound during RLT)
 - number of inbound days by Site = 365 days by default but it can be manually adjusted by user (ex: for Mexico Natie, it's 210 days), see information in below section 'How to modify the number of inbound days per Site'

Example:

115199R@8711R

RHODAPEX ESB 70 A2 2200LB TOTE 7008 / TRCC Polymer Dalton

Number of inbound shipments = 10 * (22 / 365) = 0.6 -> 1

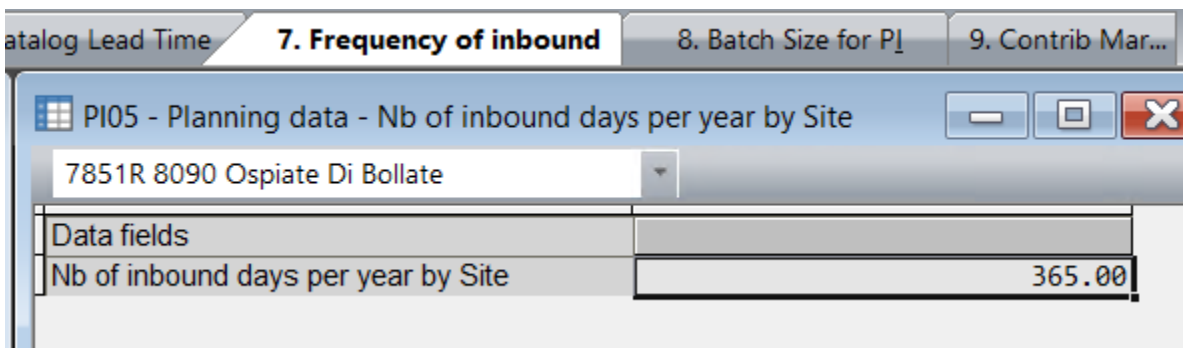
| Material | Desc | Plnt | Name | 1 | | | | | | | | | | | | | | | | | | | | |
|----------|------|------|------------|------|------|------------|---|-----|----|-----|-----|---------|------------|------------|-------|------------|--------|-----------|-------|----|------------|----------|------|------|
| SLoc | MvT | S | Mat. | Doc. | Item | Pstng | Date | Qty | in | UnE | EUn | User | Name | Doc.. | Date | PO | Vendor | Reference | GR/GI | Sl | Entry | Date | Time | Orde |
| 115199 | | | RHO.. | 8711 | 7008 | / | TRCC | P.. | | | | | | | | | | | | | | | | |
| 8711 | 101 | | 5029201635 | | 1 | 23.01.2023 | 39.600 | | LB | | | PARISIM | 23.01.2023 | 4504631213 | 95495 | 0280994798 | | | | | 23.01.2023 | 16:38:35 | | |
| 8711 | 101 | | 5029093649 | | 1 | 28.12.2022 | 39.600 | | LB | | | PARISIM | 28.12.2022 | 4504631208 | 95495 | 0280994081 | | | | | 28.12.2022 | 15:01:37 | | |
| 8711 | 101 | | 5028780362 | | 1 | 21.10.2022 | 39.600 | | LB | | | PARISIM | 21.10.2022 | 4504577232 | 95495 | 0280985010 | | | | | 21.10.2022 | 20:42:32 | | |
| 8711 | 101 | | 5028528891 | | 2 | 06.09.2022 | 6.600 | | LB | | | PARISIM | 06.09.2022 | 4504531260 | 95495 | 0280976899 | | | | | 07.09.2022 | 04:01:00 | | |
| 8711 | 101 | | 5028528891 | | 1 | 06.09.2022 | 33.000 | | LB | | | PARISIM | 06.09.2022 | 4504531260 | 95495 | 0280976899 | | | | | 07.09.2022 | 04:01:00 | | |
| 8711 | 101 | | 5028414541 | | 1 | 17.08.2022 | 37.400 | | LB | | | PARISIM | 17.08.2022 | 4504541548 | 95495 | 0280976891 | | | | | 17.08.2022 | 22:22:34 | | |
| 8711 | 101 | | 5028395101 | | 1 | 14.08.2022 | 39.600 | | LB | | | PARISIM | 14.08.2022 | 4504531259 | 95495 | 0280973833 | | | | | 14.08.2022 | 07:17:01 | | |
| 8711 | 101 | | 5028224000 | | 1 | 14.07.2022 | 39.600 | | LB | | | PARISIM | 14.07.2022 | 4504482909 | 95495 | 0280971088 | | | | | 14.07.2022 | 18:38:14 | | |
| 8711 | 101 | | 5028006116 | | 1 | 06.06.2022 | 37.400 | | LB | | | PARISIM | 06.06.2022 | 4504480170 | 95495 | 0280965476 | | | | | 06.06.2022 | 15:38:03 | | |
| 8711 | 101 | | 5027798819 | | 1 | 29.04.2022 | 39.600 | | LB | | | PARISIM | 29.04.2022 | 4504440984 | 95495 | 0280954806 | | | | | 29.04.2022 | 21:54:03 | | |
| 8711 | 101 | | 5027513339 | | 1 | 10.03.2022 | 39.600 | | LB | | | PARISIM | 10.03.2022 | 4504394434 | 95495 | 0280947568 | | | | | 10.03.2022 | 15:51:29 | | |
| | | | | | | | 11 entries with 10 different posting dates | | | | | | | | | | | | | | | | | |
| * 115199 | | | | | | | 391.600 | | LB | | | | | | | | | | | | | | | |
| ** Total | | | | | | | 391.600 | | LB | | | | | | | | | | | | | | | |

| | |
|-----------------------------------|---|
| 6 / 1 | Item |
| Data fields | 115199R@8711R RHODAPEX ESB 70 A2 2200LB TOTE 7008 / TRCC Polymer Dalton |
| Nb of stock entries SAP | 10 |
| Nb of inbound days per year [Day] | 365 |
| SHS RLT final [Day] | 22 |
| Nb of inbound shipment override | +INF |
| Nb of inbound shipment | 1 |
| Nb of inbound shipment final | 1 |

How to modify the number of inbound days per Site

The value by default is 365 days but it can be manually adjusted by user (ex: for Mexico Natie, it's 210 days).

Due to potential conflicts when 2 P&I users are working on the tool, the "NB of inbound days per year by Site" is not open to modification default (you will see it in gray color) :



To open it to modification, please follow the steps below:

In the right tab "PI05 - Planning data - Nb of inbound days per year by Site", do the following:

The screenshot shows a SAP S/4HANA Planning Data Work Center. The main table displays 'Nb of inbound days per year by Site' for various materials. A context menu is open over the data field, with red annotations: '1- right click' points to the data field, and '2- select' points to the 'Details' option in the menu.

| Material | SKU | Procurement type | Number of stock entries | SHS RLT [Standard Day] | Number of inbound days @ SKU | Number of inbound shipment | Nu sh |
|----------|--|--------------------------|-------------------------|------------------------|------------------------------|----------------------------|-------|
| 10331R | IGEPAL CO 630 200 KG METAL DRUM 8090 Ospiate Di Bollat | F External procurement | | | 9.0 | | |
| 103427R | RHODAPEX LA 1205 1000 KG PLASTIC CONT 8090 Ospiate | F External procurement | 20.0 | | 57.0 | | 3.1 |
| 103429R | RHODAPEX LA 1205 BULK 8090 Ospiate Di Bollate | F External procurement | 4.0 | | 42.0 | | |
| 10508R | IGEPAL CO 730 200KG METAL DRUM 8090 Ospiate Di Bollat | F External procurement | | | 24.0 | | |
| 105265R | ALCOHOL CETILOLEICO 50-55 BU 8090 Ospiate Di Bollate | F External procurement | 9.0 | | 16.0 | | |
| 105798R | RHODACAL 70B BULK 8090 Ospiate Di Bollate | F External procurement | 1.0 | | 35.0 | | |
| 1061657R | DEIONIZED WATER 8090 Ospiate Di Bollate | X Both procurement types | | | 4.0 | | |
| 109601R | ISO-TRIDECYL ALCOHOL 175KG DRUM 8090 Ospiate Di Boll | F External procurement | 16.0 | | 10.0 | | |
| 114347R | ISOPROPYLOH TSP 200 KG METAL DRUM 8090 Ospiate Di B | F External procurement | 8.0 | | 30.0 | | |
| 117547R | MONOETHANOLAM COCO SABOPALM46 IBC1000KG 809 | F External procurement | | | 15.0 | | |
| 118572R | IGEPAL CO 630 1000KG IBC 8090 Ospiate Di Bollate | F External procurement | 3.0 | | 9.0 | | |

The screenshot shows the 'View Management' dialog box. The 'Open mode' tab is selected in the left-hand menu. The 'Default Open Mode' section shows three modes: 'Mode 1: Updatable data fields' (set to 'Modification (lock)'), 'Mode 2: Computed data fields' (set to 'Notified update'), and 'Mode 3: Annotation data fields' (set to 'That of the data field'). A table below shows the configuration for the 'Nb of inbound days per year by Site' data field, with its 'Data field open mode' set to 'Default (Mode 1)'. Red annotations indicate: '3- Select' points to the 'Open mode' tab, '4- Change to 'Modification (lock)'' points to the dropdown menu, and '5- Click on 'Ok'' points to the 'OK' button at the bottom.

| Data field | Data field open mode | Annotation opening mode |
|-------------------------------------|----------------------|-------------------------|
| Nb of inbound days per year by Site | Default (Mode 1) | |

The datafield (line) becomes now open to Modification:

PI05 - Planning data - Nb of inbound days per year by Site

7851R 8090 Ospiate Di Bollate

| | |
|-------------------------------------|--------|
| Data fields | |
| Nb of inbound days per year by Site | 365.00 |