

Picklist proposal

See the [Stock allocation algorithm](#) section for information about the rules of creating picklist proposals.

1. Disallowed locations

Stock on some locations is not allowed to use for creation of pick list proposals. This includes:

- Can be lined up locations linked to a production line
- Input location of a production line
- The production line
- Special locations linked to a warehouse
- Moveable locations
- Locked locations (*Cycle count*)
- All locations linked to a WA location

There is a view that is used to get those locations: `PMX_DISALLOWED_LOCATIONS_FOR_PICKING`

This view used a table with cached data: **PMX_CDLP**

This table contains the following data:

- Can be lined up locations linked to a production line
- Input location of a production line
- The production line
- Special locations linked to a warehouse
- Moveable locations
- All locations linked to a WA location

The query that is used:

```
SELECT "PMX_OSEL"."Code" FROM "PMX_OSEL" WHERE "PMX_OSEL"."TypeCode" IN
(N'PRODLINE', N'MOVLOC')
UNION SELECT "PMX_OSPL"."InputLocationCode" FROM "PMX_OSPL" WHERE
"PMX_OSPL"."InputLocationCode" IS NOT NULL
UNION SELECT "PMX_OSPL"."PickToLocationCode" FROM "PMX_OSPL" WHERE
"PMX_OSPL"."PickToLocationCode" IS NOT NULL
UNION SELECT "PMX_CBLU"."CanBeLinedUpLocationCode" FROM "PMX_CBLU"
UNION SELECT "PMX_OSWH"."StorLocLogCar" FROM "PMX_OSWH" WHERE
"PMX_OSWH"."StorLocLogCar" IS NOT NULL
UNION SELECT "PMX_OSWH"."StorLocRetItem" FROM "PMX_OSWH" WHERE
"PMX_OSWH"."StorLocRetItem" IS NOT NULL
UNION SELECT "PMX_OSWH"."StorLocLostAndFound" FROM "PMX_OSWH" WHERE
"PMX_OSWH"."StorLocLostAndFound" IS NOT NULL
UNION SELECT "PMX_OSWA"."InputLocationCode" FROM "PMX_OSWA" WHERE
"PMX_OSWA"."InputLocationCode" IS NOT NULL
UNION SELECT "PMX_OSWA"."InputWithBoxLocationCode" FROM "PMX_OSWA" WHERE
```

```
"PMX_OSWA"."InputWithBoxLocationCode" IS NOT NULL  
UNION SELECT "PMX_OSWA"."OutputLocationCode" FROM "PMX_OSWA" WHERE  
"PMX_OSWA"."OutputLocationCode" IS NOT NULL  
UNION SELECT "PMX_OSSL"."Code" FROM "PMX_OSSL" WHERE  
"PMX_OSSL"."BlockStockFromBeingUsedOnProposal" = N'Y'
```

The cached table is filled when the add-on or fat client is started.

The locked locations are retrieved when running the view, because this information can change a lot.

2. Shelf life calculation

In order to calculate the shelf life of an item for a particular customer & shipping address, the systems evaluates the shelf lives that can be found at different places. The first matching shelf life will be taken into account, according to the following priority:

- shelf life defined in the sales order line (RDR1.U_PMX_SHLF column)
 - Note: Produmex WMS does not support negative shelf life values.
- shelf life defined on the item master data for the customer code and country code
- shelf life defined on the item master data for the customer code
- shelf life defined on the item master data for the country code
- shelf life defined for the customer code and country code (@PMX_CSSL user table)
- shelf life defined for the customer code (@PMX_CSSL user table)
- shelf life defined for the country code (@PMX_CSSL user table)
- shelf life defined on the item master data (OITM.U_PMX_SLID field)

From:

<https://wiki.produmex.name/> - **Produmex**

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Last update: **2022/05/19 09:24**

