Scenario - Dynamic Safety Stock in PPDS Planning

Purpose

To describe how to use Dynamic Safety Stock in PP/DS.

Overview

Dynamic safety stock is read from interactive Supply Network Planning (SNP), and it also can be taken into account in Production Planning and Detailed Scheduling (PP/DS). This page explains how to consider dynamic safety stock in PP/DS. It includes corresponding customizing and an example.

This page will describe the steps that need to be taken in order to make PP/DS consider the Dynamic Safety Stock maintained in SNP application.

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Relevant customizing

- /SAPAPO/MVM - take Safety Stock into Account.
- /SAPAPO/RRPCUST1 - set SNP planning area
- Make SNP Key Figures Available in customizing
- /SAPAPO/MAT1 - set safety stock method

Example Creation

- SNP Planning Book: 9ASNP_SSP
- Dataview: SAFETY
- Planning Area: 9ASNP05
- Safety Stock Key Figure: 9ASAFETY - SafetyStock(Planned)
- Location: PL0001@Q63002
- Product: MTS-FERT@Q63002

Step 1: Check the customizing

In this example, in transaction /SAPAPO/MVM, set "2" - Consider Virtual Safety Stock Elements
In transaction /SAPAPO/MAT1, set safety stock method, e.g. MB.

In transaction /SAPAPO/RRPCUST1, set planning area 9ASNP05.

In the following customizing, make SNP key figures available.
Step 2: Maintain safety stock in SNP planning book

In transaction /SAPAPO/SDP94, open planning book 9ASNP_9SP dataview SAFETY, load location product, input safety stock value e.g. 100, 130, 120, 100.
Check Safety Stock in Product View

The virtual requirements can be calculated

- $0 - 100 = -100$
- $100 - 130 = -30$
- $130 - 120 = 10$
- $120 - 100 = 20$
- $100 - 0 = 100$

Check the safety stock in APO product view
Important Function Modules

> FUNCTION /SAPAPO/RRP_CONSIDER_SAFTY
> FUNCTION /SAPAPO/CTM_TDSSAFETY_GET
> FORM MATLOC_GET_TIMESERIES
> FORM CONVERT_TS

Related Content

Related Documents

SAP Help Safety and Target Stock Level Planning in PP/DS
SAP Help Safety Stock Planning (SNP)

Related Notes

SAP Note 855592 - Dynamic safety stock in the PP/DS planning
SAP Note 517898 - PP: Standard methods for safety stock planning
SAP KBA 2298319 - Target Stock Level Method 4 does not always maintain Available Quantity >= Safety Stock