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.

Table of Content
- Overview
- Relevant customizing
  - Step 1: Check the customizing
    - Step 2: Maintain safety stock in SNP planning book
    - Check Safety Stock in Product View
- Important Function Modules
- Related Content
  - Related Documents
  - Related Notes

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: 9ASN05
- 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
Input planning area 9ASNP05, planning object 9AMALO, and key figure 9ASAFETY and 9ASVTTY (9ASVTTY is used in other safety stock method e.g. MZ)

Step 2: Maintain safety stock in SNP planning book

In transaction /SAPAPO/SDP94, open planning book 9ASNP_SSP 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