

Forecasting and Planning

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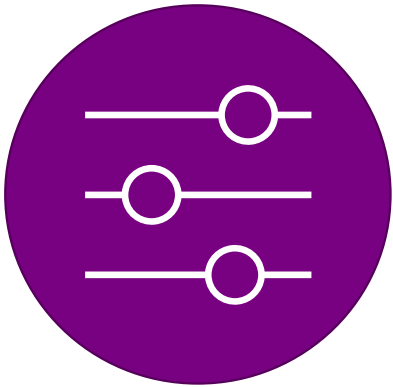
Agenda

- Demand Forecasting
- Priority-Based Planning
- Safety Stock Calculation

Demand Forecasting

An abstract graphic on the right side of the slide. It features a large, light blue semi-circle in the upper right corner. Below it, there is a white rounded rectangle. To the left of this rectangle, there is a light blue rounded rectangle that overlaps with the white one. The background is a solid dark blue.

Demand Forecasting



Remove Outliers

Define outliers by using outlier queries on historical transactions



Generate Forecast

Utilize historical data & Azure Machine Learning to generate a baseline forecast.



Authorize

Review, adjust & authorize the forecast for use in Planning/Simulation

Generate Statistical Baseline Forecast

- Define a historical horizon
- Baseline date the forecast should start from
- Filter on item allocation key and / or intercompany planning group
- Define forecast bucket and period
- Decide if manual adjustments should be included

Generate statistical baseline forecast

General

HISTORICAL HORIZON

From date
01.01.2016

To date
31.05.2016

BASELINE FORECAST START DATE

From date
01.06.2016

Records to include

Advanced parameters

FORECAST PERIOD

Forecast bucket
Month

Forecast horizon
1

Freeze time fence
0

DEMAND FORECAST IDENTIFICATION

Demand forecast name

Comment

MANUAL ADJUSTMENTS

Transfer manual adjustments t...

☒ Yes

Run in the background

Recurrence Alerts

Batch processing

☒ Yes

Task description

Generate statistical baseline f...

Batch group

Private

☐ No

Critical Job

☐ No

Monitoring category

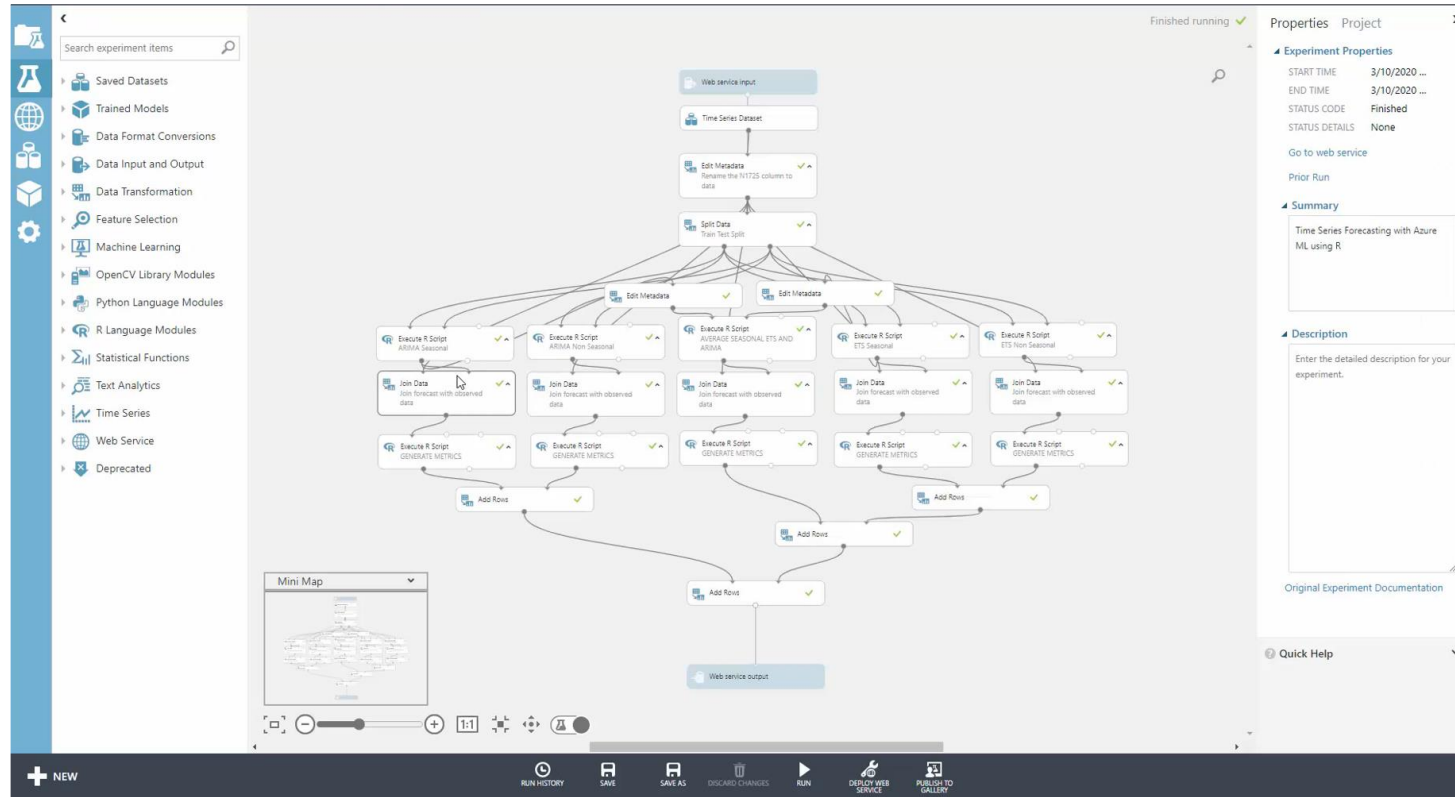
Start date: 20.05.2022 (12:07:32) (GMT) Coordinated Universal Time

Azure Machine Learning

Can be adjusted to best fit your business needs

Drag and drop design of the forecast process

Machine learning will suggest the best forecasting model based on your data



Review Demand Data and Authorize

Demand data can be adjusted manually before authorization is done.

Possible to gain a deeper insight into a specific forecast line

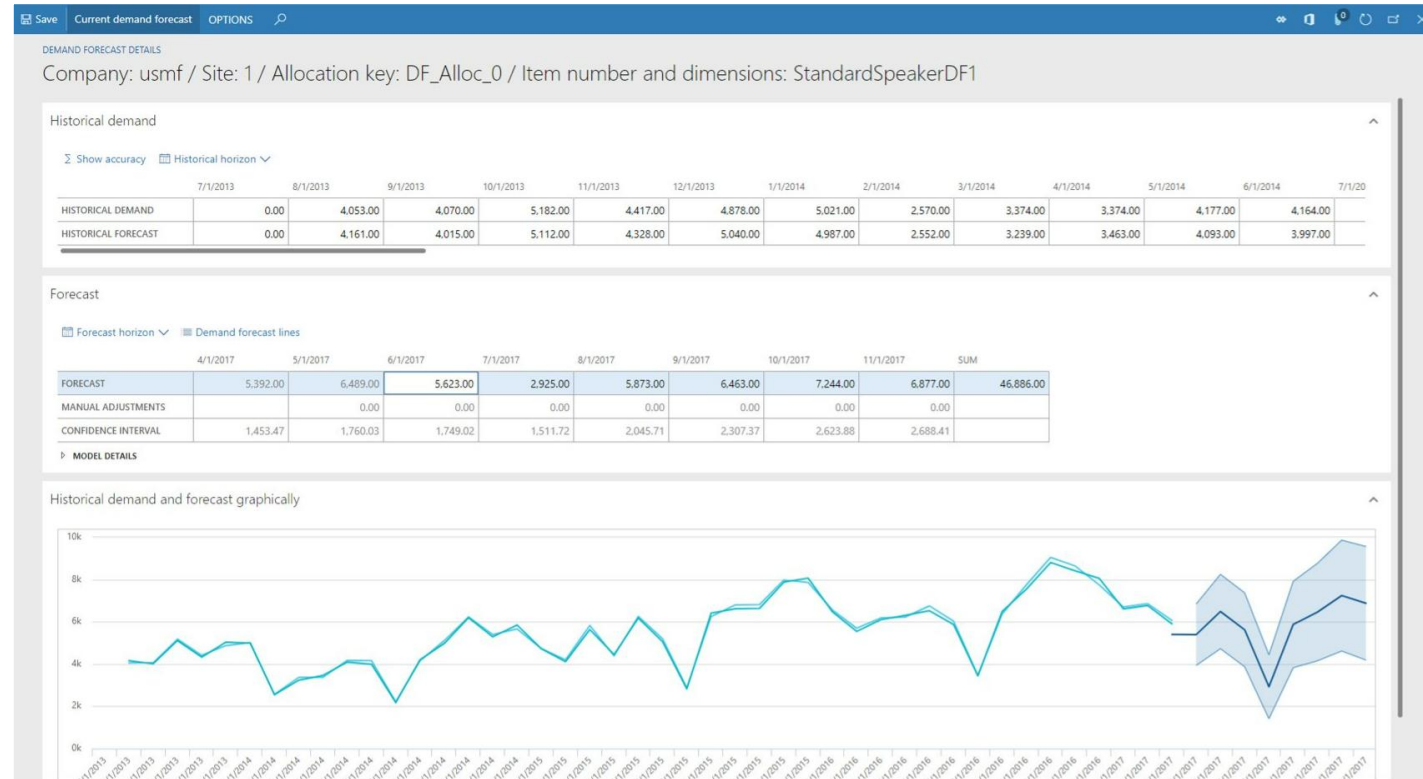
[illegible]

Review Demand Data and Authorize

Demand data can be adjusted manually before authorization is done.

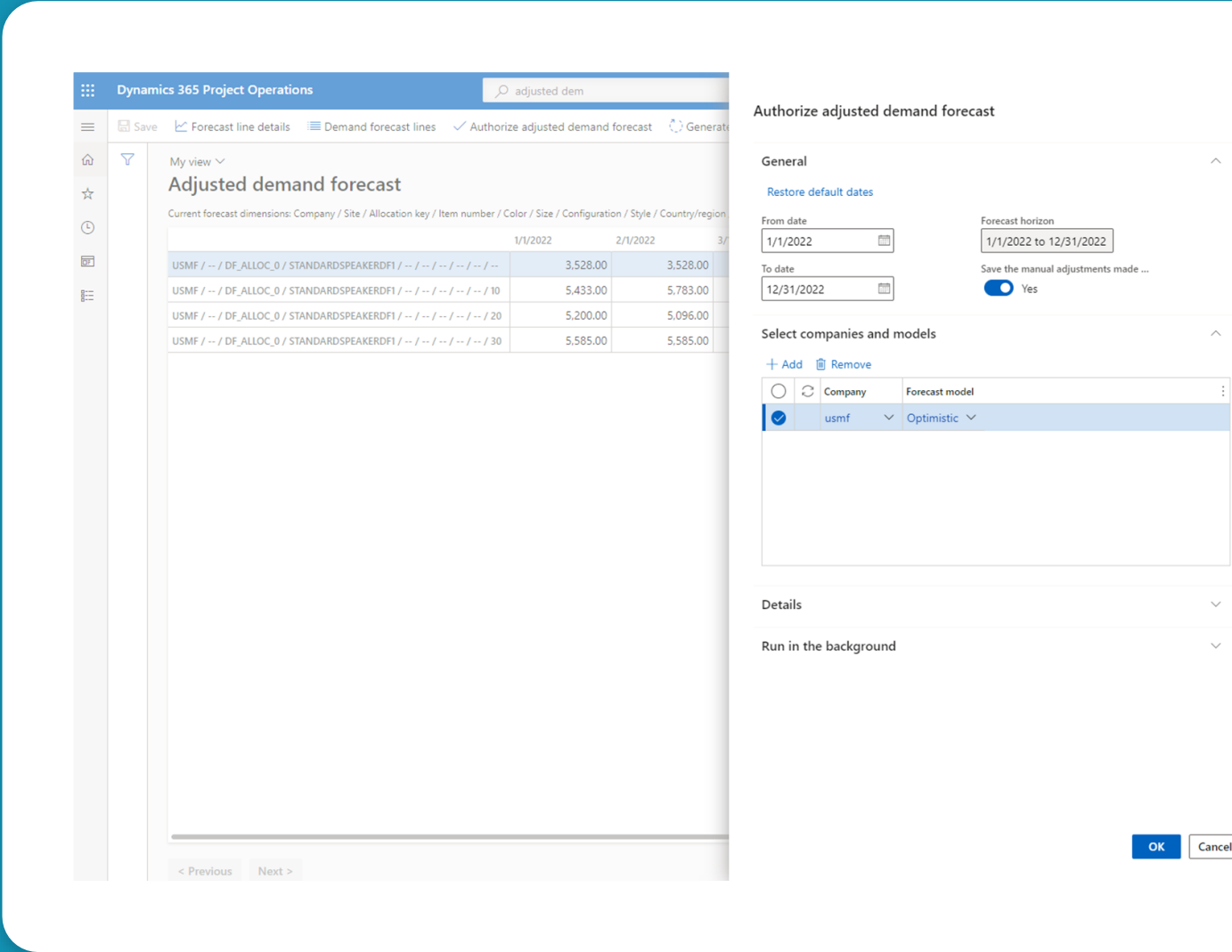
Possible to gain a deeper insight into a specific forecast line

View the forecast accuracy (MAPE) and model used

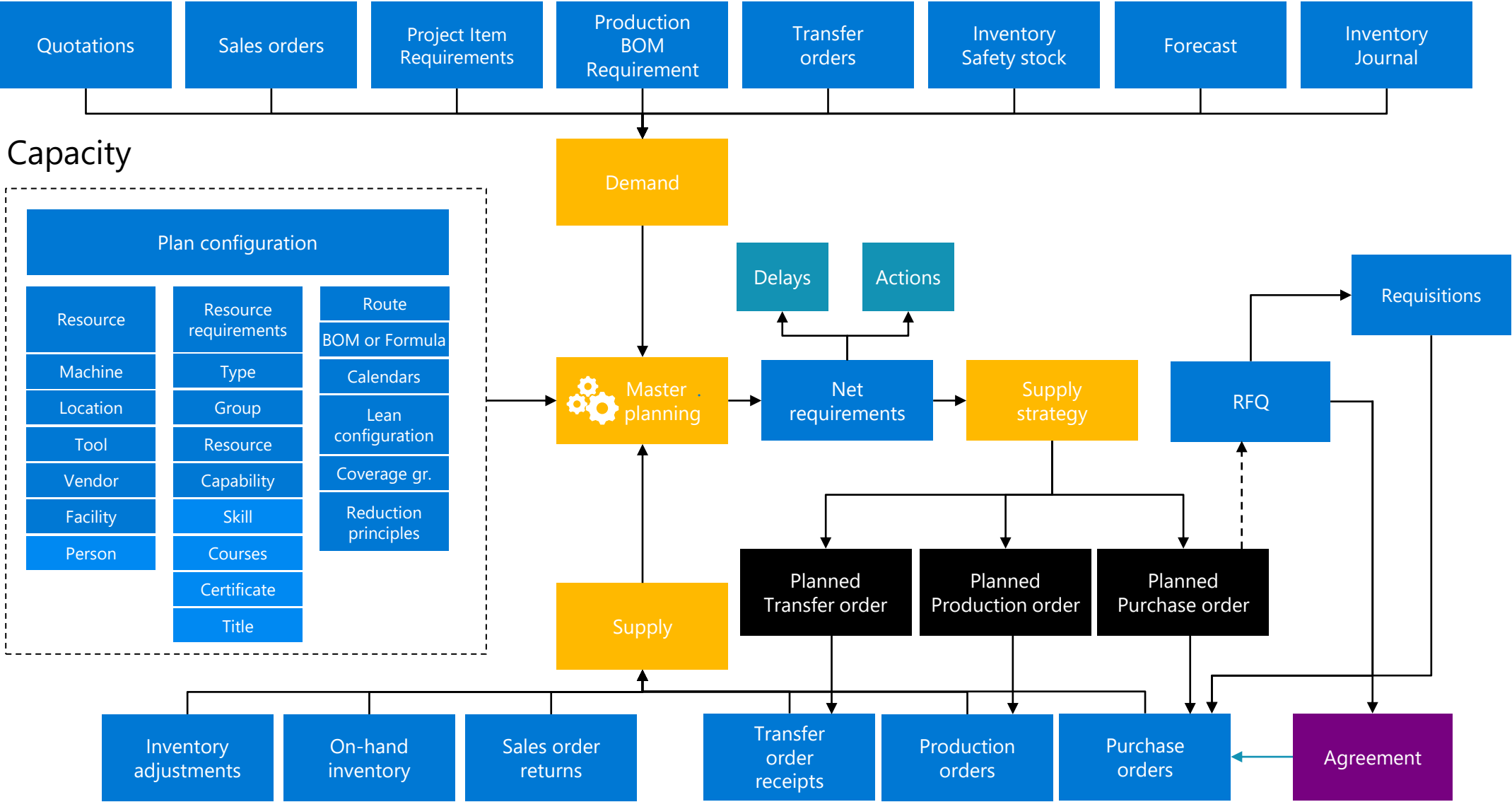


Review Demand Data and Authorize

Once demand data has been authorized it can be used in master planning process



Master Planning

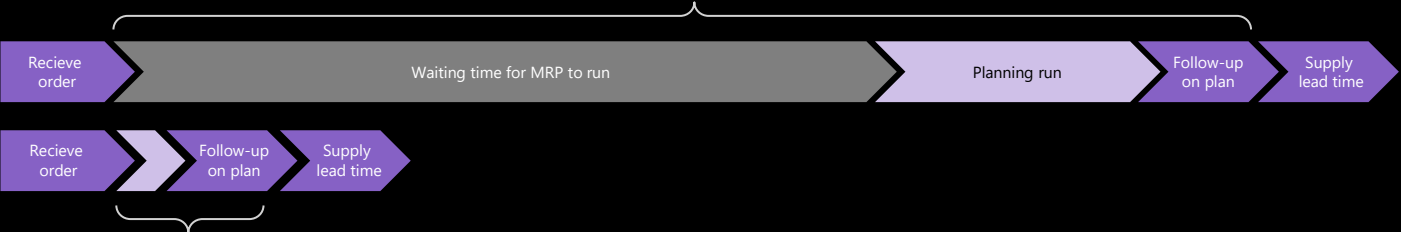


From hours to minutes ... to seconds

- Multi-tenant
- Micro Service
- Hyper Scale
- In-Memory
- Real time
- What-if
- External Signals

Built-in master planning

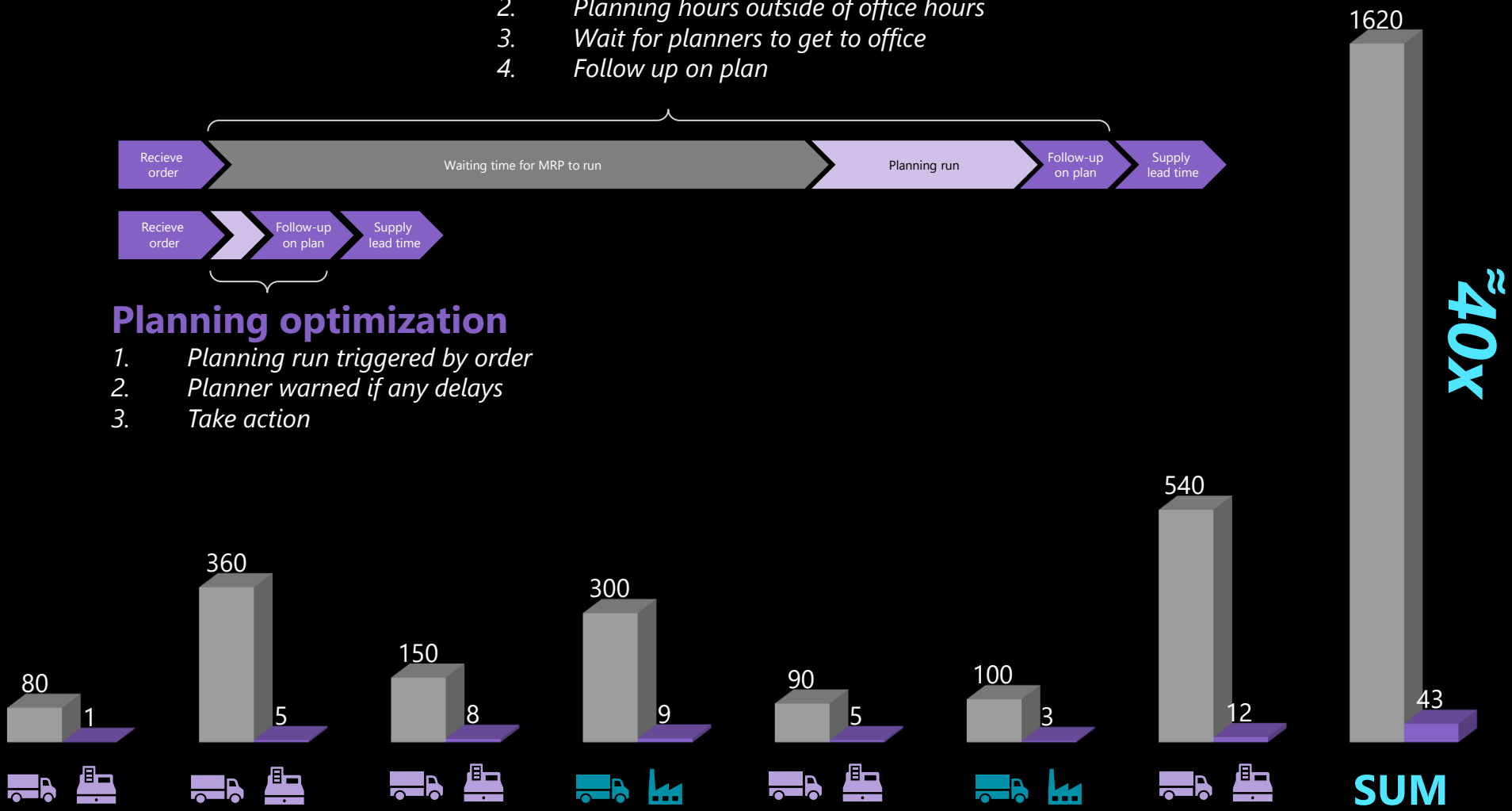
1. Wait for the nightly plan to run (normally 1-4 am)
2. Planning hours outside of office hours
3. Wait for planners to get to office
4. Follow up on plan



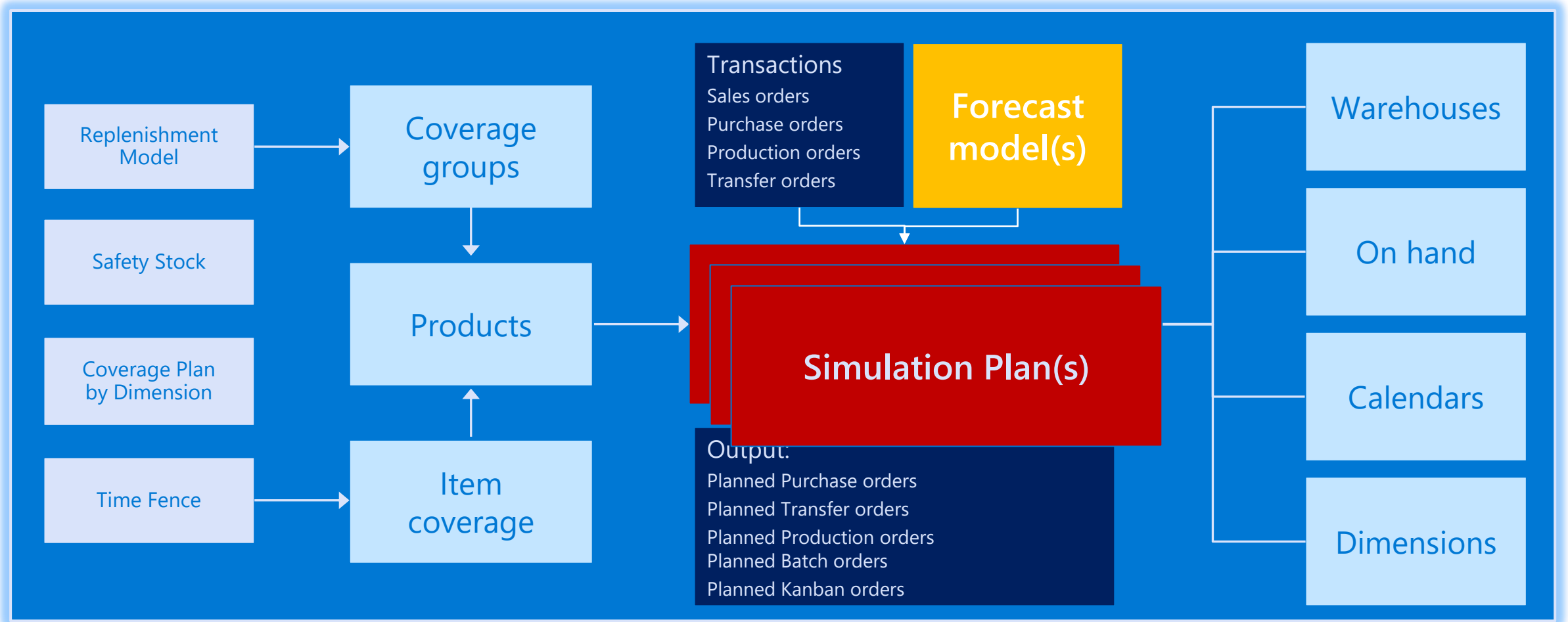
Planning optimization

1. Planning run triggered by order
2. Planner warned if any delays
3. Take action

■ MRP ■ PO



Planning Optimization

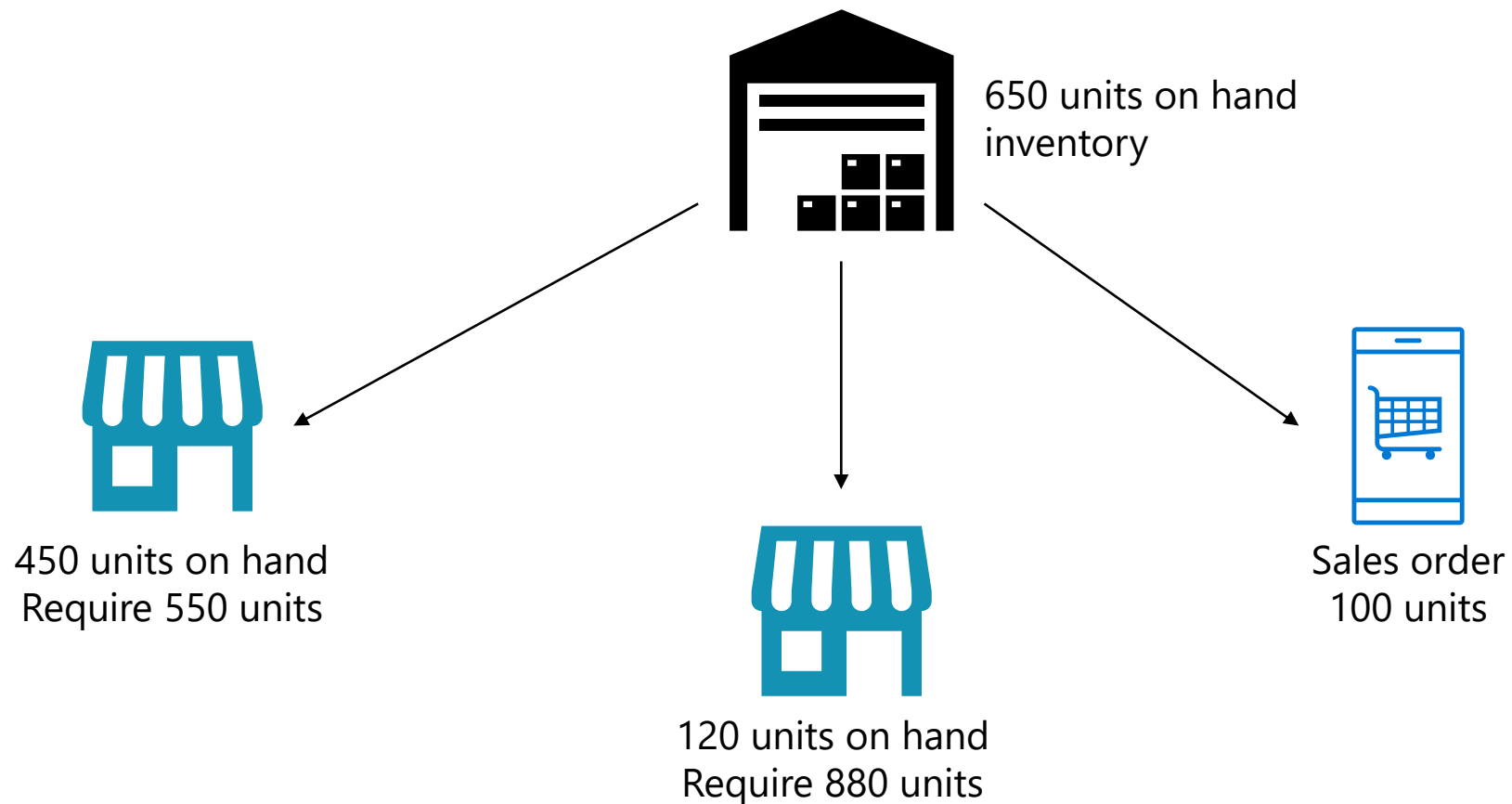


Priority-Based Planning

The background features a dark navy blue field. On the right side, there is a large, light blue semi-circle. In the lower right, a white rounded rectangle overlaps the bottom of the light blue semi-circle. Another light blue rounded rectangle overlaps the left side of the white rectangle.

Not all demand is created equal

How should we prioritize the demand orders?



Prioritize manual orders by order type



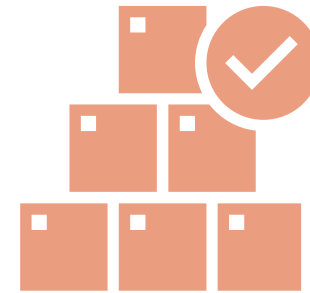
Sales Order



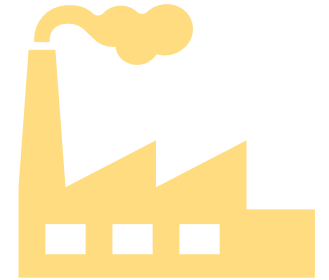
Demand Forecast



Transfer Order



Purchase Order



Production Order

* Priorities 0 – 100, 0 is the highest

Supply Priority

- When pegging supply against demand, the supply with the highest priority is used up first
- On hand inventory priority is 0
- “Consider demand priority” flag can be used to make sure supply orders reflect the priority of corresponding demand

Priority Based Planning Prerequisites

- Enable feature *Priority driven MRP support for Planning Optimization* in Feature Management workspace
- Create planning priority models
- Create coverage groups of type “Priority” and assign the planning priority models
- Set up item coverage as needed to drive min/max/*reorder points*

* Only compatible with Planning Optimization, not traditional master planning

Planning Priority Models

- Planning priority defaults are used when orders are manually created and can be overridden on specific orders
- Planning models are assigned to coverage groups with coverage type "Priority"

The screenshot shows the 'Planning priority models' configuration page in Dynamics 365 Finance. The left sidebar lists two models: 'PRangeSingle' (Priority Ranges Single Supply) and 'PRangeSplit' (Priority Ranges Split Orders). The main area is titled 'Planning priority models' and includes a 'Standard view' dropdown. Below this, there are fields for 'Name' (PRangeSingle), 'Description' (Priority Ranges Single Supply), 'Priority calculation method' (Priority ranges), 'Planned order creation' (Single supply with most im...), and a 'Consider demand priority' toggle (Yes). The 'Planning priority ranges' section contains a table with columns: Planning priority, Description, From quantity, To quantity, and Percent of to quantity. The table lists three ranges: 70,00 to 100,00 % of Reorder point (Maximum inventory quantity, 100,00), 50,00 to 100,00 % of Minimum inventory quantity (Reorder point, 100,00), and 30,00 to Zero (Minimum inventory quantity, 100,00). The 'Planning priority defaults' section shows five input fields: Sales order default (5,00), Purchase order default (50,00), Transfer order default (50,00), Production order default (50,00), and Demand forecast default (60,00).

Planning priority	Description	From quantity	To quantity	Percent of to quantity
70,00	100,00 % of Reorder point		Maximum inventory quantity	100,00
50,00	100,00 % of Minimum inventory quantity		Reorder point	100,00
30,00	Zero		Minimum inventory quantity	100,00
1,00	Zero or less		Zero	100,00

Sales order default	Purchase order default	Transfer order default	Production order default	Demand forecast default
5,00	50,00	50,00	50,00	60,00

Minimum, reorder, and maximum

- Master planning will generate replenishment requirements when projected on hand (POH) is below the reorder point
- Replenishment quantity is to reach the maximum

Dynamics 365 Finance | Product information management > Products > Released products

Save +New Delete Wizard Default settings Options

FG0001: WATERBOTTLE05L | My view

Item coverage, Site: 1, Warehouse: 11

Overview General Lead time Min./Max. Dimension

☒ CHANGE PLANNED ORDER TYPE ☐ OVERRIDE COVERAGE GROUP SETTINGS ☐ OVERRIDE TIME FENCES

Planned order type: Transfer

Main warehouse: 13

☐ USE SPECIFIC SETTINGS

Coverage group: %Priority

Vendor account: US-104

Coverage code: Priority

Coverage period: 1

Coverage time fence (days): 100

Negative days: 2

Positive days: 100

Automatic firming time fence (days): 0

Freeze time fence (days): 0

BOM explosion time fence (days): 100

Capacity scheduling time fence (days): 100

Approved requisitions time fence (days): 0

MIN./MAX.

Minimum: 200.00

Reorder point: 500.00

Maximum: 1 000.00

CW maximum

Minimum key

CW minimum

Maximum key

Fulfill minimum: Today's date

Current priority: 99

Minimum periods: No

Date changed

FORMULA PRIORITY

Planning formula

Default priority: 99

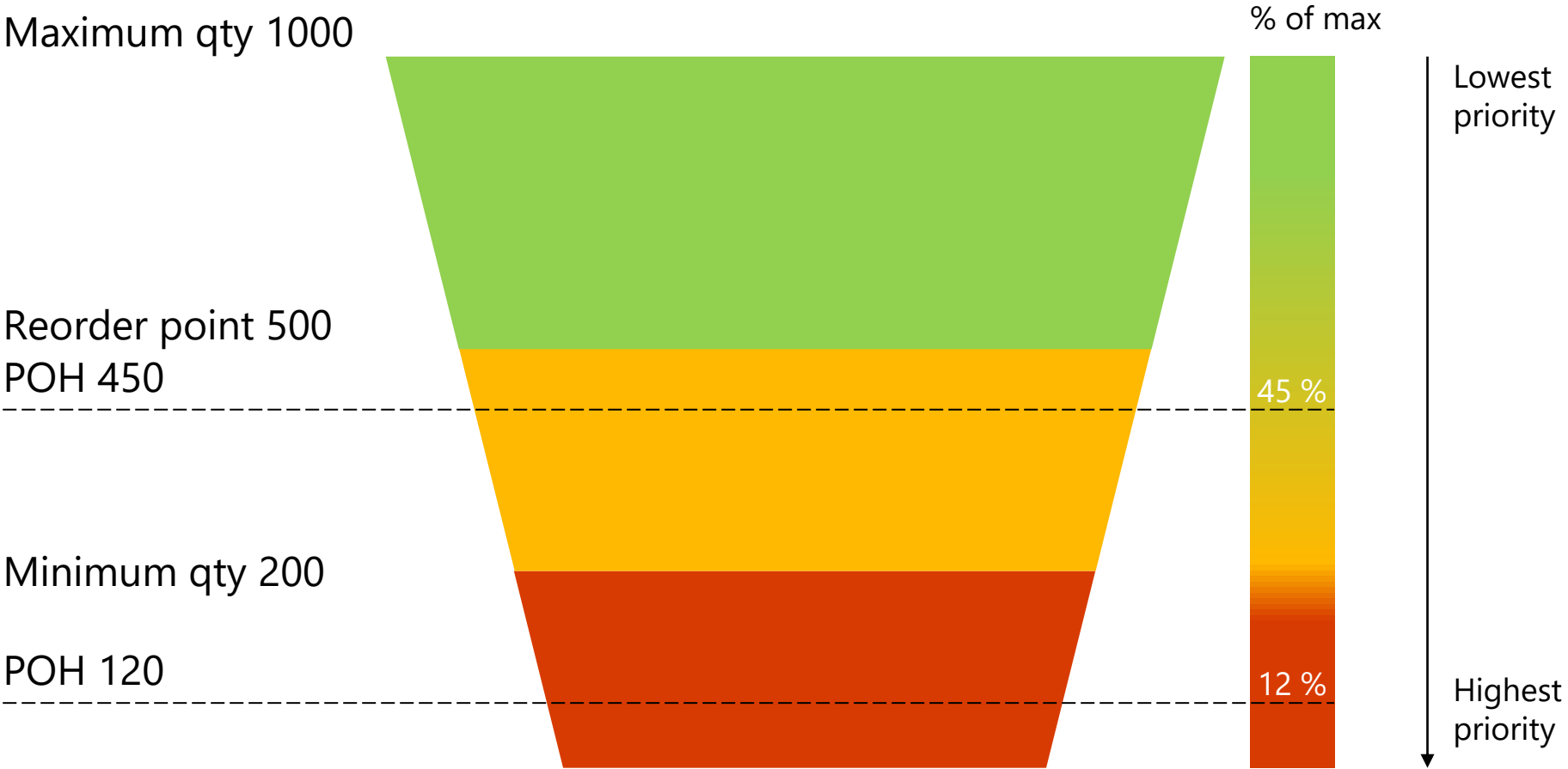
☐ OVERRIDE ON HAND

Consume on-hand inventory

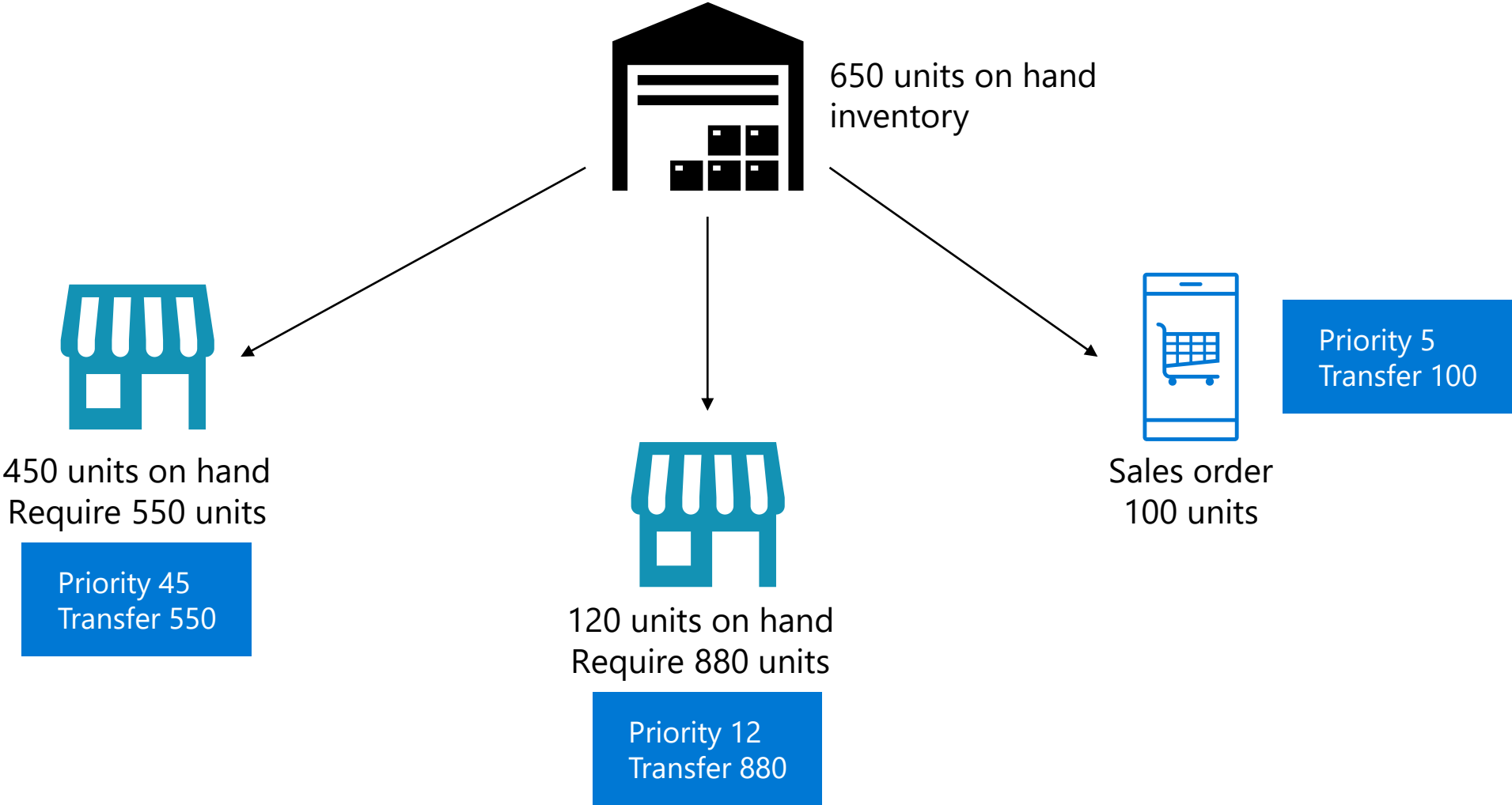
Before all other supply

% of maximum stock level

Prioritize by percentage of maximum inventory



Prioritize by percentage of maximum inventory



Prioritize by percentage of maximum inventory

- Master planning has generated two transfer orders with priority 12 and 45
- Transfer requirements are delayed due to insufficient stock in warehouse 13
- A purchase order has been planned to cover these requirements

Dynamics 365 Finance | Product information management > Products > Released products

USMF

FG0001: WATERBOTTLE05L | Priority Based Planning

Net requirements, Item number FG0001, Water bottle 0.5L, Sorting: Requirement date

Plan: DynPlan

Overview | Item coverage | Summary | Period

Warehouse	Site	CW minim...	Minimum	CW maxim...	Maximum	Coverage group	Planned order type
11	1		200,00		1 000,00	%Priority	Transfer
12	1		200,00		1 000,00	%Priority	Transfer
13	1		0,00		0,00	%Priority	Purchase order

Overview | General | Action

Inquiries

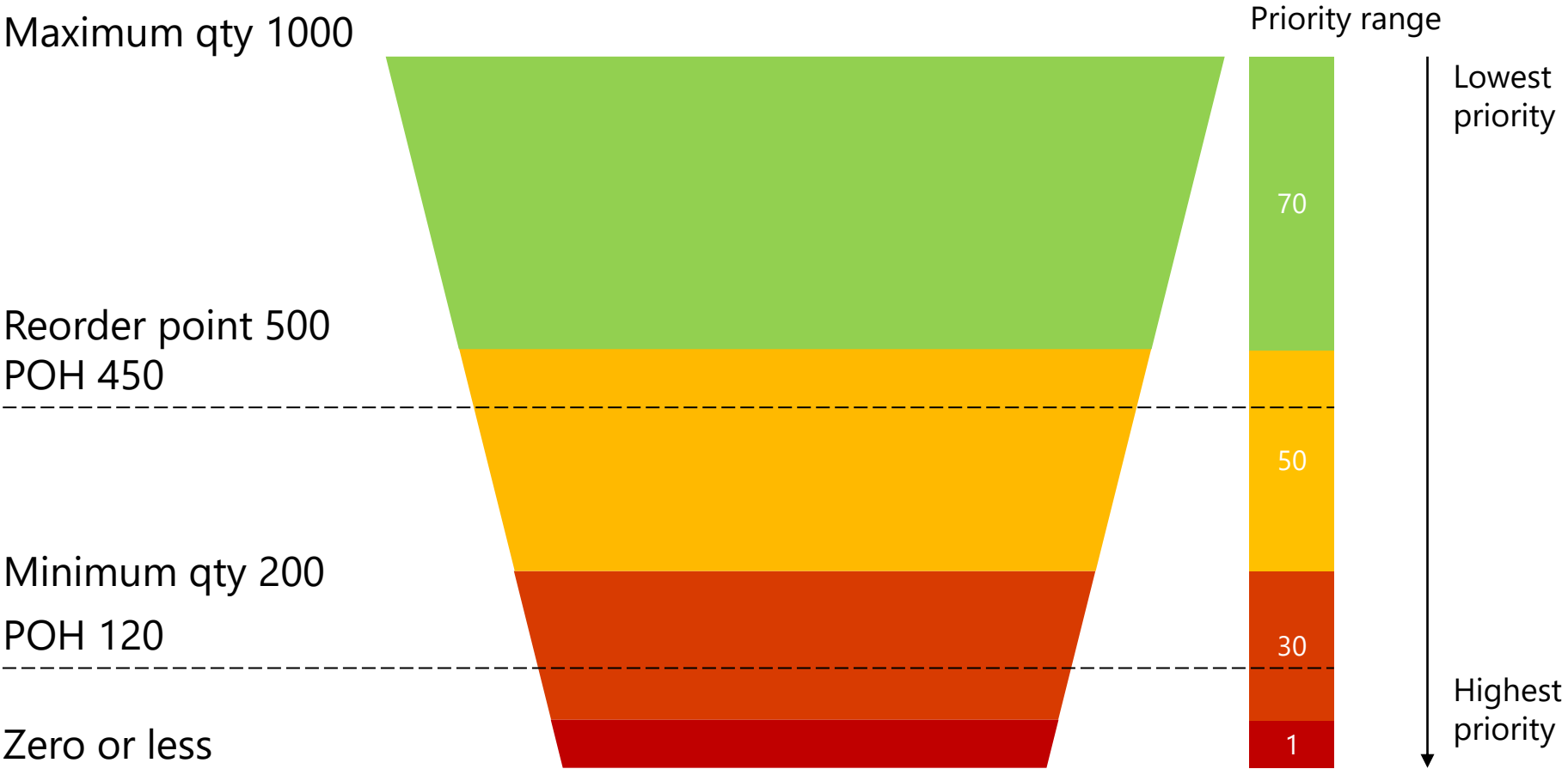
Reference	Number	Item number	Requirement d...	Requirement quantity	Accumulated	Delay (days)	To date	Planning priority	Action
On-hand		FG0001		650,00	650,00			0,00	
Sales order	002278	FG0001	19.05.2022	-100,00	550,00			5,00	
Planned purchase orders	0007000010	FG0001	24.05.2022	880,00	1 430,00			0,00	
Transfer requirement	0007000002	FG0001	24.05.2022	-880,00	550,00	5	24.05.2022	12,00	
Transfer requirement	0007000001	FG0001	24.05.2022	-550,00		5	24.05.2022	45,00	

PEGGING

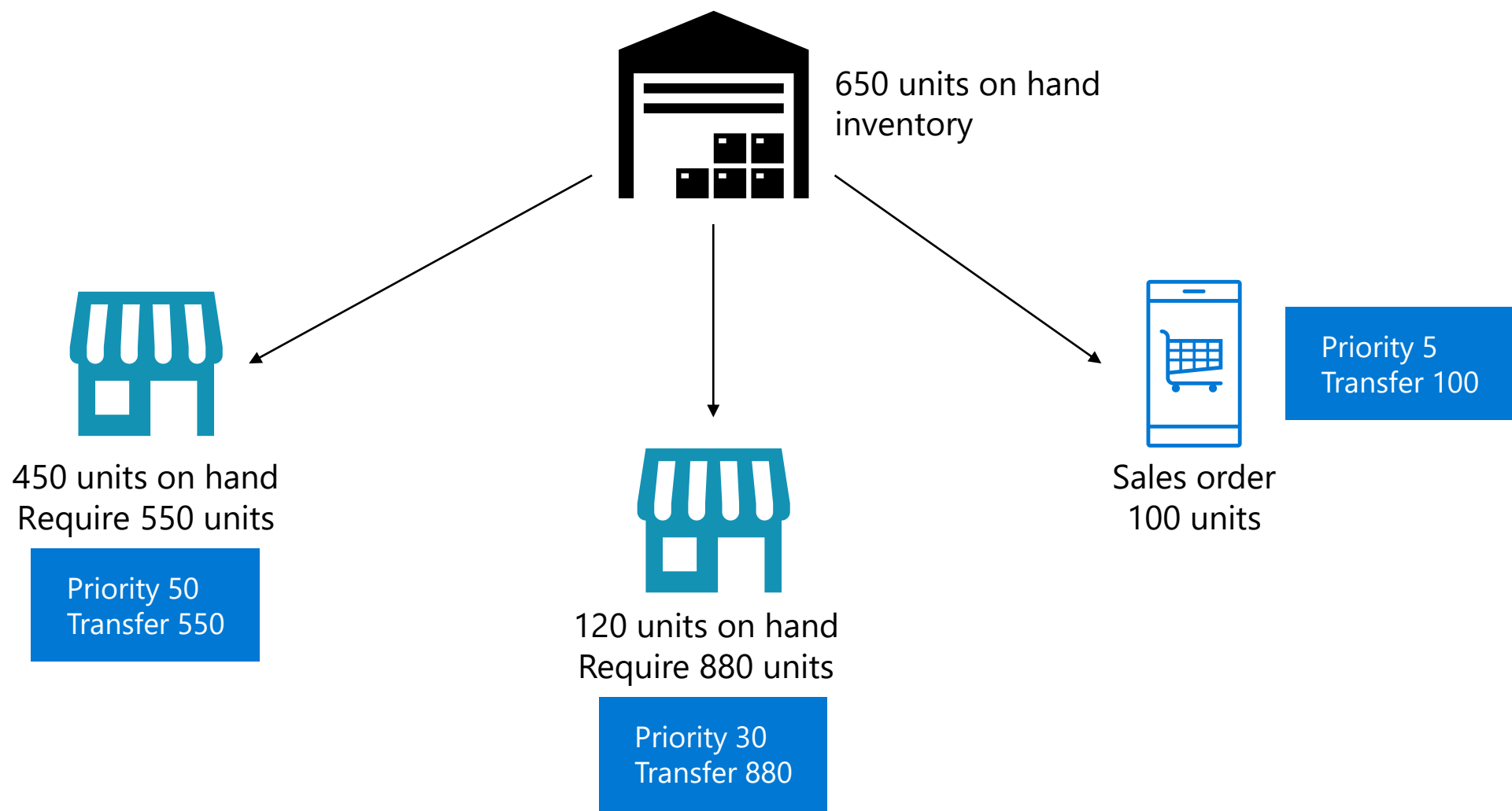
Number	Reference	Item number	Requirement date	Requireme...	Requireme...	Covered q...	Covered C...	Changed b...	Changed b...
002278	Sales order	FG0001	19.05.2022	-100,00		-100,00			
0007000002	Transfer requirement	FG0001	24.05.2022	-880,00		-550,00			

Inventory Priority Ranges

Inventory priority ranges



Inventory Priority Ranges



Inventory Priority Ranges

- Master planning has generated two transfer orders with priority 30 and 50
- Transfer requirements are delayed due to insufficient stock in warehouse 13
- A purchase order has been planned to cover these requirements

The screenshot displays the Dynamics 365 Finance interface for 'Product information management > Products > Released products'. The main view is 'Net requirements, Item number FG0002, Water Bottle 0.75L, Sorting: Requirement date'. The 'Plan' dropdown is set to 'DynPlan'. The 'Overview' tab is active, showing a table with columns: Warehouse, Site, CW minim..., Minimum, CW maxim..., Maximum, Coverage group, and Planned order type. The table lists three rows for warehouse 11, 12, and 13. Warehouse 13 is highlighted, showing a 'Purchase order' type. Below this, the 'Inquiries' section shows a table with columns: Reference, Number, Item number, Requirement d..., Requirement quantity, Accumulated, Delay (days), To date, Planning priority, and Action. The table lists four rows: On-hand, Sales order, Planned purchase orders, and Transfer requirement. The 'PEGGING' section at the bottom shows a table with columns: Number, Reference, Item number, Requirement date, Requireme..., Requireme..., Covered q..., Covered C..., Changed b..., and Changed b... The table lists two rows: Sales order and Transfer requirement.

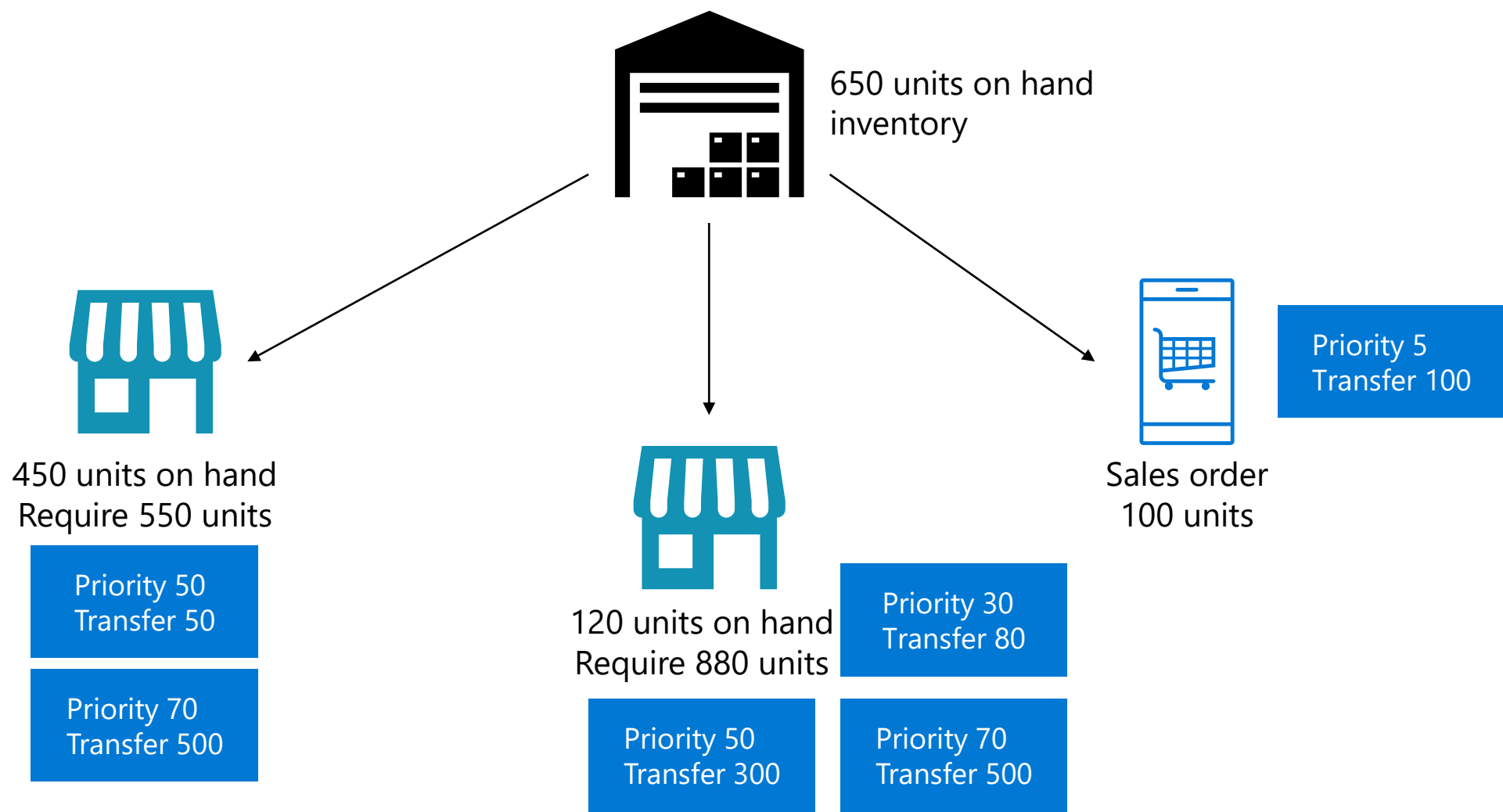
Warehouse	Site	CW minim...	Minimum	CW maxim...	Maximum	Coverage group	Planned order type
11	1		200,00		1 000,00	PRSingle	Transfer
12	1		200,00		1 000,00	PRSingle	Transfer
13	1		0,00		0,00	PRSingle	Purchase order

Reference	Number	Item number	Requirement d...	Requirement quantity	Accumulated	Delay (days)	To date	Planning priority	Action
On-hand		FG0002		650,00	650,00			0,00	
Sales order	002279	FG0002	19.05.2022	-100,00	550,00			5,00	
Planned purchase orders	0007000012	FG0002	23.05.2022	880,00	1 430,00			1,00	
Transfer requirement	0007000004	FG0002	23.05.2022	-880,00	550,00	4	23.05.2022	30,00	
Transfer requirement	0007000003	FG0002	23.05.2022	-550,00		4	23.05.2022	50,00	

Number	Reference	Item number	Requirement date	Requireme...	Requireme...	Covered q...	Covered C...	Changed b...	Changed b...
002279	Sales order	FG0002	19.05.2022	-100,00		-100,00			
0007000004	Transfer requirement	FG0002	23.05.2022	-880,00		-550,00			

Priority Ranges with Split Orders

Priority Ranges with Split Orders



Priority Ranges with Split Orders

- Master planning has generated five transfer orders with priority 30, 50 and 70
- Three transfer requirements can be processed immediately, while two are delayed due to insufficient stock in warehouse 13
- A purchase order has been planned to cover the two remaining requirements

Dynamics 365 Finance | Product information management > Products > Released products

USMF

FG0003 : WATERBOTTLE1L | Priority Based Planning

Net requirements, Item number FG0003, Water Bottle 1L, Sorting: Requirement date

Plan
DynPlan

Overview | Item coverage | Summary | Period

Warehouse	Site	CW minim...	Minimum	CW maxim...	Maximum	Coverage group	Planned order type
11	1		200,00		1 000,00	PRSplit	Transfer
12	1		200,00		1 000,00	PRSplit	Transfer
13	1		0,00		0,00	PRSplit	Purchase order

Overview | General | Action

Inquiries

Reference	Number	Item number	Requirement d...	Requirement quantity	Accumulated	Delay (days)	To date	Planning priority	Action
On-hand		FG0003		650,00	650,00			0,00	
Sales order	002280	FG0003	19.05.2022	-100,00	550,00			5,00	
Transfer requirement	0007000006	FG0003	19.05.2022	-50,00	500,00			50,00	
Transfer requirement	0007000007	FG0003	19.05.2022	-300,00	200,00			50,00	
Transfer requirement	0007000005	FG0003	19.05.2022	-80,00	120,00			30,00	
Planned purchase orders	0007000015	FG0003	24.05.2022	880,00	1 000,00			1,00	
Transfer requirement	0007000008	FG0003	24.05.2022	-500,00	500,00	5	24.05.2022	70,00	
Transfer requirement	0007000009	FG0003	24.05.2022	-500,00		5	24.05.2022	70,00	

PEGGING

Number	Reference	Item number	Requirement date	Requireme...	Requireme...	Covered q...	Covered C...	Changed b...	Changed b...
002280	Sales order	FG0003	19.05.2022	-100,00		-100,00			
0007000005	Transfer requirement	FG0003	19.05.2022	-80,00		-80,00			
0007000007	Transfer requirement	FG0003	19.05.2022	-300,00		-300,00			
0007000006	Transfer requirement	FG0003	19.05.2022	-50,00		-50,00			
0007000008	Transfer requirement	FG0003	24.05.2022	-500,00		-120,00			

Safety Stock Calculation



Safety Stock

- Safety stock indicates an additional quantity of an item held in the inventory in order to reduce the risk that the item will be out of stock.
- Safety stock is used as a buffer stock in case sales orders come in and the supplier is unable to deliver the additional items to meet the customer's requested ship date

Safety Stock with Minimum/maximum Keys

Minimum/maximum Keys

Different minimum/maximum keys can be configured to a factor to multiply the minimum inventory by to account for increased seasonal demand

The screenshot shows the 'Minimum or maximum keys' configuration page in Dynamics 365 Finance. The page is titled 'Minimum or maximum keys' and has a sub-header 'My view'. Below the header, there are tabs for 'Minimum or maximum key' and 'Name'. The 'Months' key is selected. A toggle switch for 'Use the effective date' is set to 'Yes'. Below this, there is a table of periods.

Change	Unit	Factor	From date	To date	Month
1	Months	1,00	01.01.2022	31.01.2022	January
2	Months	1,00	01.02.2022	28.02.2022	February
3	Months	1,00	01.03.2022	31.03.2022	March
4	Months	2,00	01.04.2022	30.04.2022	April
5	Months	2,00	01.05.2022	31.05.2022	May
6	Months	2,50	01.06.2022	30.06.2022	June
7	Months	2,50	01.07.2022	31.07.2022	July
8	Months	2,50	01.08.2022	31.08.2022	August
9	Months	1,00	01.09.2022	30.09.2022	September
10	Months	1,00	01.10.2022	31.10.2022	October
11	Months	1,00	01.11.2022	30.11.2022	November
12	Months	1,00	01.12.2022	31.12.2022	December

Safety Stock with Minimum/maximum Keys

The minimum/maximum keys can be assigned to an article under item coverage

The different minimum/maximum keys can be view in more detail under "Min/Max"

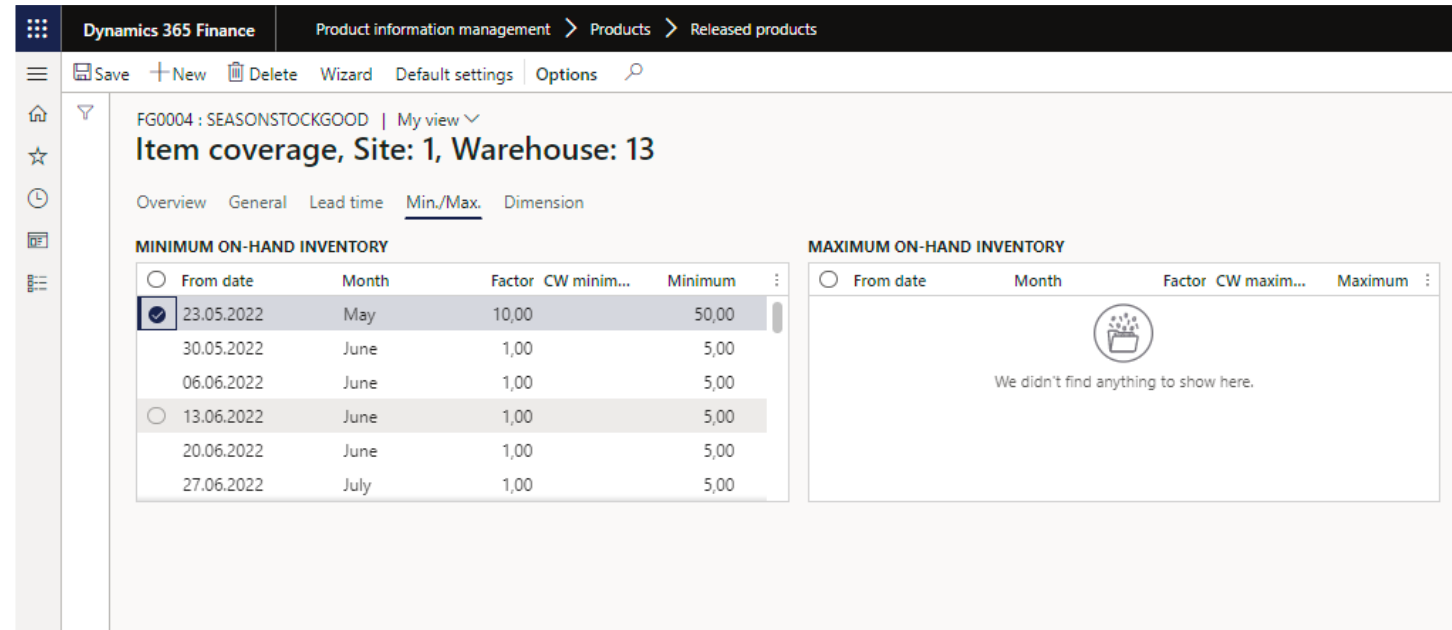
The screenshot shows the 'Item coverage' form in Dynamics 365 Finance. The breadcrumb trail is 'Dynamics 365 Finance > Product information management > Products > Released products'. The form title is 'Item coverage, Site: 1, Warehouse: 13'. The 'MIN./MAX.' section is highlighted with a red box, showing the 'Minimum key' dropdown set to '7.Day'. The 'Maximum key' dropdown is also visible. The 'FORMULA PRIORITY' section shows 'Default priority' and 'Current priority' both set to 99. The 'USE SPECIFIC SETTINGS' checkbox is checked, and the 'Coverage group' is set to 'Req' and the 'Vendor account' is set to 'US-104'.

Section	Field	Value
MIN./MAX.	Minimum	5,00
	CW minimum	7.Day
	Maximum	0,00
	Reorder point	0,00
FORMULA PRIORITY	Default priority	99
	Current priority	99
	Date changed	
	Minimum periods	No
USE SPECIFIC SETTINGS	Coverage group	Req
	Vendor account	US-104

Safety Stock with Minimum/maximum Keys

The minimum/maximum keys can be assigned to an article under item coverage

The different minimum/maximum keys can be view in more detail under "Min/Max"



Dynamics 365 Finance | Product information management > Products > Released products

Save + New Delete Wizard Default settings Options

FG0004 : SEASONSTOCKGOOD | My view

Item coverage, Site: 1, Warehouse: 13

Overview General Lead time Min./Max. Dimension

MINIMUM ON-HAND INVENTORY

<input type="radio"/> From date	Month	Factor	CW minim...	Minimum
<input checked="" type="radio"/> 23.05.2022	May	10,00		50,00
<input type="radio"/> 30.05.2022	June	1,00		5,00
<input type="radio"/> 06.06.2022	June	1,00		5,00
<input type="radio"/> 13.06.2022	June	1,00		5,00
<input type="radio"/> 20.06.2022	June	1,00		5,00
<input type="radio"/> 27.06.2022	July	1,00		5,00

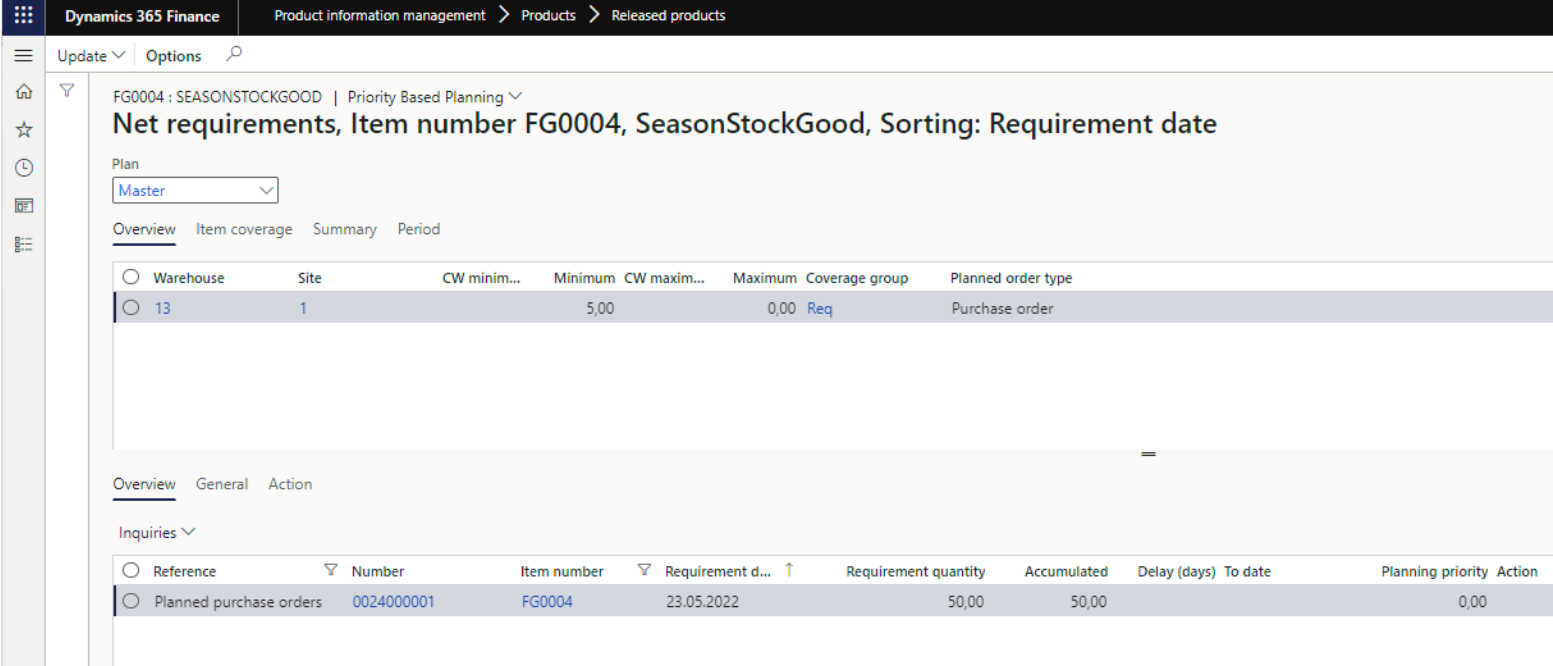
MAXIMUM ON-HAND INVENTORY

☐ From date Month Factor CW maxim... Maximum

We didn't find anything to show here.

Safety Stock with Minimum/maximum Keys

The minimum key for this period dynamically adjusts the minimum requirement with a factor of 10 to 50 units.



The screenshot displays the Dynamics 365 Finance interface for 'Product information management > Products > Released products'. The main title is 'FG0004 : SEASONSTOCKGOOD | Priority Based Planning'. Below this, it says 'Net requirements, Item number FG0004, SeasonStockGood, Sorting: Requirement date'. A 'Plan' dropdown is set to 'Master'. The 'Overview' tab is selected, showing a table with columns: Warehouse, Site, CW minim..., Minimum, CW maxim..., Maximum, Coverage group, and Planned order type. The table has one row with values: 13, 1, 5,00, 0,00, and Req. Below this, there are tabs for 'Overview', 'General', and 'Action'. The 'Inquiries' section is expanded, showing a table with columns: Reference, Number, Item number, Requirement d..., Requirement quantity, Accumulated, Delay (days), To date, Planning priority, and Action. The table has one row with values: Planned purchase orders, 0024000001, FG0004, 23.05.2022, 50,00, 50,00, and 0,00.

Warehouse	Site	CW minim...	Minimum	CW maxim...	Maximum	Coverage group	Planned order type
13	1	5,00			0,00	Req	Purchase order

Reference	Number	Item number	Requirement d...	Requirement quantity	Accumulated	Delay (days)	To date	Planning priority	Action
Planned purchase orders	0024000001	FG0004	23.05.2022	50,00	50,00			0,00	

Safety Stock Journals for Mini. Coverage Calculation

Safety Stock Journals for Mini. Coverage Calculation

Prerequisites:

- Safety stock journal name (Master planning > Setup > Safety Stock Journal Name)
- Item Coverage Group with minimum requirement
- Issue transactions in time period

The screenshot displays the 'Safety stock calculation' form in Dynamics 365 Finance. The breadcrumb trail at the top indicates the path: Master planning > Master planning > Run > Safety stock calculation. The form is divided into several sections:

- Journal header details:** Contains fields for 'Journal' (00011), 'Journal type' (Safety stock), 'Name' (DynUg22), 'Description', 'POSTING' (Delete lines after posting: No), and 'TOTALS' (Lines).
- Journal lines:** A table with columns: Item number, Product name, Configuration, Size, Color, Style, Site, Warehouse, Batch, Current minimum..., Calculated minimum quant..., New minimum qua..., Unit, and Log. The table is currently empty, showing a message: 'We didn't find anything to show here.'
- Line details:** This section is further divided into 'General' and 'Inventory dimensions' tabs. The 'General' tab includes fields for 'Journal', 'Line number' (0.0000000000), 'Item number', 'Dimension number', 'Calculated minimum quantity' (0.00), 'New minimum quantity' (0.00), 'Current inventory value', 'New inventory value', 'Increase in inventory value', 'ISSUES' (Average issues per month, Standard deviation of issues per ...), 'LEAD TIME' (Planned order type, Lead time: 0), 'Lead time in working days' (No), and 'Average issue per lead time'. The 'Inventory dimensions' tab includes 'MINIMUM INVENTORY LEVEL' (Current minimum quantity: 0.00) and 'INVENTORY VALUE' (Cost price: 0.00).

Safety Stock Journals for Mini. Coverage Calculation

Select “Create lines” to specify products and time-frame for the calculation

Historical usage represents all issue transactions during a specified period.

Select “Calculate standard deviation” if service level are to be used in calculation of minimum.

The screenshot displays the 'Safety stock calculation' interface in Dynamics 365 Finance. The main window is titled 'Safety stock calculation' and shows the 'Journal lines' section. The 'Create lines' button is highlighted in the 'Journal lines' section. The right-hand pane shows configuration options for journal lines, including parameters, filters, and background processing settings.

Journal header details

IDENTIFICATION	Journal type	Name	POSTING	TOTALS
Journal 00011	Safety stock	DynUg22	Delete lines after posting <input checked="" type="radio"/> No	Lines
Description		DynUg demo		

Journal lines

+ New Delete **Create lines** Delete journal lines Calculate proposal Display dimensions

Item number	Product name	Configuration	Size	Color	Style	Site	Warehouse	Batch ...	Current minimum...	Calc
We didn't find anything to show here.										

Line details

General Statistics Inventory dimensions

IDENTIFICATION	Item number	Calculated minimum quantity	Current inventory value	ISSUES	LEAD TIME
Journal		0.00		Average issues per month	Planned order type
Line number	Dimension number	New minimum quantity	New inventory value	Standard deviation of issues per ...	Lead time
0.0000000000		0.00			0
MINIMUM INVENTORY LEVEL		INVENTORY VALUE			
Current minimum quantity		Cost price			
0.00		0.00			

Create journal lines for proposed minimum inventory levels

Parameters

JOURNAL
Journal
00011

To date
30.04.2022

FIND ISSUES FOR THE MONTHS
From date
01.05.2022

Calculate standard deviation
☒ Yes

Records to include

Filter

ITEMS

Item number
A0001

Coverage group

Buyer group

RELATIONSHIP BETWEEN ITEMS AND ITEM GROUPS

Item group

Run in the background

Recurrence Alerts

Batch processing
☒ No

Task description
Create journal lines for propo...

Batch group

Private
☒ No

Critical Job
☒ No

Monitoring category

Start date: 19.05.2022 (20:19:04) (GMT) Coordinated Universal Time

OK Cancel

Safety Stock Journals for Mini. Coverage Calculation

Key values for calculation:

- Average issues per month
- Standard Dev. of issues per month
- Lead time
- Average issue per lead time

Journal header details

IDENTIFICATION	Journal type	Name	POSTING	TOTALS
Journal 00011	Safety stock	DynUg22	Delete lines after posting <input checked="" type="radio"/> No	Lines 2
Description DynUg demo				

Journal lines

Item number	Product name	Configuration	Size	Color	Style	Site	Warehouse	Batch	Current minimum...	Calculated minimum quant...	New minimum qua...	Unit	Log
A0001	HDMI 6' Cables					2	24		3,00	0,00	3,00	Pcs	
A0001	HDMI 6' Cables					6	62		0,00	0,00	0,00	Pcs	

Line details

General

IDENTIFICATION	Item number	Calculated minimum quantity	Current inventory value
Journal 00011	A0001	0,00	36,00
Line number 1,0000000000	Dimension number 000606	New minimum quantity 3,00	New inventory value 36,00
MINIMUM INVENTORY LEVEL		INVENTORY VALUE	
Current minimum quantity 3,00		Cost price 12,00	

ISSUES

Average issues per month	Standard deviation of issues per ...
1,25	4,15

LEAD TIME

Planned order type	Lead time	Average issue per lead time
Transfer	5	0,21

Safety Stock Journals for Mini. Coverage Calculation

Two calculation parameters:

- Average issue during lead time
- Service level

Possible to automatically use calculated min. level as new min. quantity

Dynamics 365 Finance Master planning > Master planning > Run > Safety stock calculation

Save + New Delete Validate Post Log Options

Personalize Page options Edit Share Power Automate

Always open for editing Personalize this page Add to workspace

Security diagnostics Advanced filter or sort Record info Go to

Read mode Revert Get a link Create a custom alert Manage my alerts

See your flows Create a flow

Safety stock journal lines | Standard view

Journal header details

IDENTIFICATION	Journal type	Name	POSTING	TOTALS
Journal: 00011	Safety stock	DynUg22	Delete lines after posting: No	Lines: 2
Description		DynUg demo		

Journal lines

Item number	Product name	Configuration	Size	Color	Style	Site	Warehouse	Batch ...	Current minimum...	Calc
A0001	HDMI 6' Cables					2	24		3,00	
A0001	HDMI 6' Cables					6	62		0,00	

Line details

General Statistics Inventory dimensions

IDENTIFICATION	Item number	Calculated minimum quantity	Current inventory value	ISSUES	LEAD TIME
Journal: 00011	A0001	3,00	36,00	Average issues per month: 1,25	Planned order type: Transfer
Line number: 1,0000000000	Dimension number: 000606	New minimum quantity: 3,00	New inventory value: 36,00	Standard deviation of issues per ...: 4,15	Lead time: 5
MINIMUM INVENTORY LEVEL		INVENTORY VALUE			
Current minimum quantity: 3,00		Cost price: 12,00			

Calculate proposal for minimum inventory level

Parameters

☐ USE AVERAGE ISSUE DURING LEAD TIME

Multiplication factor: 1,00

☒ USE SERVICE LEVEL

Service level: 99.86 %

GENERAL

Lead time margin: 0

Use the calculated minimum q...: Yes

Run in the background

Recurrence Alerts

Batch processing: No

Task description: Calculate proposal for minim...

Batch group:

Private: No

Critical Job: No

Monitoring category:

Start date: 19.05.2022 (20:41:00) (GMT) Coordinated Universal Time

OK Cancel

Safety Stock Journals for Mini. Coverage Calculation

After calculation is completed,
you have the change in minimum
quantity and difference in
inventory value

Posting the journal will update the
item coverage for the product

Journal header details

IDENTIFICATION	Journal type	Name	POSTING	TOTALS
Journal: 00011	Safety stock	DynUg22	Delete lines after posting: No	Lines: 2
Description: DynUg demo				

Journal lines

Item number	Product name	Configuration	Size	Color	Style	Site	Warehouse	Batch ...	Current minimum...	Calculated minimum quant...	New minimum qua...	Unit	Log
A0001	HDMI 6' Cables					2	24		3.00	5.00	5.00	Pcs	
A0001	HDMI 6' Cables					6	62		0.00	0.00	0.00	Pcs	

Line details

General | Statistics | Inventory dimensions

IDENTIFICATION	Item number	Calculated minimum quantity	Current inventory value	ISSUES	LEAD TIME	Lead time in working days
Journal: 00011	A0001	5.00	36.00	Average issues per month: 1.25	Planned order type: Transfer	No
Line number: 1,0000000000	Dimension number: 000606	New minimum quantity: 5.00	New inventory value: 60.00	Standard deviation of issues per month: 4.15	Lead time: 5	Average issue per lead time: 0.21
MINIMUM INVENTORY LEVEL		INVENTORY VALUE	Increase in inventory value			
Current minimum quantity: 3.00		Cost price: 12.00	24.00			

Thank you

Appendix

[Intro to Demand Forecasting in Dynamics 365 Supply Chain Management](#)

[Implementation Guidance on Azure Machine Learning Service for Demand Forecasting](#)

[Demand Forecasting Setup \(Docs\)](#)

[Templates for Dynamics 365 Supply Chain Management Demand Forecasting with Azure Machine Learning \(GitHub\)](#)

[Get started with Planning Optimization](#)

[Priority based planning in D365 Supply Chain Management](#)