

Beas Manufacturing 2024.02 Release Notes



Highlights

- **RESERVATION SYSTEM IMPROVEMENT:** supporting several WMS Locking levels
- **WebApps:** Display “Available” Total Quantity instead of OnHand quantity
- **Performance improvement of loading Produmex information**
- **BeasScript:** New object is available to create WMS PickList
- **Pick list generation error fix**
- **Beas Web Service:** Keep Alive system
- **APS:** “Material OK” field considers linked WO
- **APS:** Allocation window - new filter option
- **Import Japanese language (2nd time)**

RESERVATION SYSTEM IMPROVEMENTS

The system improvement of breaking change level provided in this version is the Beas reservation support to 2 additional PMX WMS locking levels. Before this version, Beas could only manage WMS locking level "Detail". Now, Beas supports WMS locking levels "Batch" and "LUID", as well.

According to this, "Reserved" quantity field in the key related functions now reflects Total reserved quantities, considering all WMS locks on the three supported levels.

Similarly, the "Available" quantity field of the affected functions considers all WMS locks of the 3 supported locking levels.

The screenshot displays the 'Reservation' window in the Beas Manufacturing system. At the top, there are control buttons for 'Pre-assign', 'All pre-assign', and 'Reservation Delete', along with a dropdown for 'Priority Warehouse for Pre-assignment' set to '06'. Below this is a table with columns: #, Type, Number, Document, Line 1, Position, and Item. A single row is visible with Type 'Production', Number '1027', Document 'ABTest-000691', Line 1 '10', Position '15', and Item 'RM_B_AB'.

Below the main reservation view is a detailed list of reservations. The columns include #, Batch number, Available, Reserved, Assigned, Reserve, Unit, Warehouse, Description, Bin Loc, #, Type, Warehouse, Batch, Bin Local, LUID, Sccc, and Quantity. Two orange circles highlight the 'Available' and 'Reserved' columns in the first row of this list, and another orange circle highlights the 'Quantity' column in the second row.

#	Batch number	Available	Reserved	Assigned	Reserve	Unit	Wareho	Description	Bin L	#	Type	Warehouse	Batch	Bin Local	LUID	Sccc	Quantity
1	LT001	10.00	0.00	0.00		Pcs	07	Normal Warehou...		1	Wareh...	01	LT004	1-A-1	2045	00000000000001...	5.000
2	LT002	15.00	0.00	0.00		Pcs	07	Normal Warehou...		2	Wareh...	01	LT004				5.000
3	LT003	100.00	0.00	0.00		Pcs	07	Normal Warehou...									
4	LT004	40.00	10.00	5.00		Pcs	01	General Wareho...	1-A-1								

At the bottom of the window, there are 'Cancel' and 'Reservation list' buttons, and a search input field.

Window: reservation_set_master

RESERVATION SYSTEM CHANGES: WO Material issue screen

NEW:

Check total Available and Reserved quantities by each supported locking level in separate fields:

B / L / D Available
 B / L / D Reserved

Note: activate these fields in the window settings of:
 Reservation
 Allocation
 WO Material issue

The screenshot shows the 'issue' window with a table of reservation lines. Below it, a detailed table shows the available and reserved quantities for each locking level (L, B, D).

#	Type	Number	Document	Line 1	Position	Item	I-Version	Description	Requirement	Reserved	Open request
1	Production	1027	ABTest-000691	10	10	RM		Raw Material	12.00	0.00	0.00
2	Production	1027	ABTest-000691	10	15	RM_B_AB		Raw Material / Batch	10.00	0.00	0.00
3	Production	1027	ABTest-000691	10	20	RM_B		Raw Material / Batch	10.00	0.00	0.00
4	Production	1027	ABTest-000691	10	30	RM_S		Raw Material / Serial	10.00	0.00	0.00
5	Production	1027	ABTest-000691	10	40	RM_S_AB		Raw Material / Serial	10.00	0.00	0.00

Batch	Available	B Available	L Available	D Available	Reserved	B Reserved
LTOC	5.00	50.00	5.00	5.00	50.00	0.00
LTOC	100.00	100.00	100.00	100.00	0.00	0.00
LTOC	10.00	65.00	10.00	10.00	60.00	20.00
LTOC	35.00	65.00	35.00	50.00	35.00	20.00
LTOC	100.00	100.00	100.00	100.00	0.00	0.00
BT1C	100.00	150.00	100.00	100.00	0.00	0.00

RESERVATION SYSTEM CHANGES: Goods issues (manual)

NEW:

In the Goods Issue window, the bin location and the batch drop-downs display the correct available quantity: a new, "Inventory" field (stock of the batch in the bin loc) has been added.

The "Reserved" column reflects the total reserved quantity here, as well, considering all WMS locks.

The screenshot shows the SAP Goods Issue window with the following fields and values:

- Type: Production
- Work Order: 1027
- Item: RM_B_AB
- Date: 02/20/24
- Description: Raw Material / Batch
- Warehouse: 01
- Bin Location: 1-A-1
- LUID: 2045
- Batch: LT004
- Project: [blank]
- Batch attribute 1: [blank]
- Batch attribute 2: [blank]

A table is displayed with the following data:

Batch	Available Unit	Bin Location	Batch att	Batch att I-Version	Expir. date	Inventory for BoM	Reserved
LT006	25.00 Pcs	1-A-1			2/23/2024	50.00	0.00 35.00

At the bottom of the window, there are buttons for "Cancel", "F3 Batch report", and "F2 Enter".

RESERVATION SYSTEM CHANGES: WO Reservation screen

NEW:

In this example you can see standard Beas reservations for 5 units and 5 reservations that are in pick lists.

Only the Beas reservation can be removed from the screen.

With this improvement, the user can see the pick list quantity separately.

Material Requirements

#	Type	Number	Document	Line 1	Position	Item	I-Versi	Description	Requirement	Reserved
1	Producti...	1027	ABTest-000691	10	15	RM_B_AB		Raw Material / Batch	0.00	10.00

Reservation

#	Type	Number	Document	Line 1	Position	Item	I-Version	Description	Requirement	Reserved	Open requests	Allocation warehouse	External Warehouse	Ordered	UoM	Warehouse	Customer
1	Production	1027	ABTest-000691	10	10	RM		Raw Material	3.00	9.00	0.00	517.55	0.00	0.00	Pcs	01	
2	Production	1027	ABTest-000691	10	15	RM_B_AB		Raw Material / Batch	0.00	10.00	0.00	125.00	0.00	0.00	Pcs	01	
3	Production	1027	ABTest-000691	10	20	RM_B		Raw Material / Batch	-1.00	11.00	0.00	583.00	0.00	0.00	Pcs	01	
4	Production	1027	ABTest-000691	10	30	RM_S		Raw Material / Serial	8.00	2.00	0.00	2.00	0.00	0.00	Pcs	01	
5	Production	1027	ABTest-000691	10	40	RM_S_AB		Raw Material / Serial	10.00	0.00	0.00	1.00	0.00	0.00	Pcs	01	

Reservation Detail

#	Batch nun	Available	Reserve	Unit	ilable	ailable	available	reserved	Reserved	reserved	Wareho	Bin Loca	LUID	Ssc
1	LT001	10.00		Pcs	10.00	10.00	10.00	0.00	0.00	0.00	07			
2	LT002	15.00		Pcs	15.00	15.00	15.00	0.00	0.00	0.00	07			
3	LT003	100.00		Pcs	100.00	100.00	100.00	0.00	0.00	0.00	07			
4	LT005	100.00		Pcs	100.00	100.00	100.00	0.00	0.00	0.00	01	1-A-2	2050	0000000000000018..
5	LT006	10.00		Pcs	25.00	10.00	10.00	60.00	20.00	0.00	01	1-A-2	2051	0000000000000018..
6	LT006	25.00		Pcs	25.00	35.00	50.00	35.00	20.00	15.00	01	1-A-1	2052	0000000000000018..
7	LT007	100.00		Pcs	100.00	100.00	100.00	0.00	0.00	0.00	01	B.0001	2053	0000000000000018..

Pick List Quantities

#	Type	Warehouse	Batch	Bin Loca	LUID	Ssc	Quantity
1	Wareh...	01	LT004	1-A-1	2045	000000000000001...	5.000
2	Wareh...	01	LT004	1-A-1	2045	000000000000001...	5.000

Window: reservation_set_master

RESERVATION SYSTEM CHANGES: Reservation list screen

#	Type	Document	Number	Line 1	Line 2	Item	Description	Wareho	Batch	Bin Location	Requirement	Res. Entry	Reservation	Issue	Res. Total	Inventory	UoM	Date	Ref. Ty	Ref. Do	Ref. Line	Ref. Li	Locki
10	Wareh...	Production	1027	10	50	RM_S_AB	Raw Material / ...	01	ST103	BP_Line	10.00	7.00	1.00										Detail
11	Wareh...	Production	1027	10	50	RM_S_AB	Raw Material / ...	01	ST101	1-A-1	10.00	7.00	1.00										Detail
12	Wareh...	Production	1027	10	50	RM_S_AB	Raw Material / ...	01	ST001	1-A-1	10.00	7.00	1.00										Detail
13	Wareh...	Production	1031	10	10	RM	Raw Material	01		Input	17.00	17.00	10.00										Detail
14	Wareh...	Production	1031	10	10	RM	Raw Material	01		Input	17.00	17.00	7.00										Detail
15	Wareh...	Production	1030	10	10	RM	Raw Material	01		Input	12.00	12.00	2.00										Detail
16	Wareh...	Production	1029	10	10	RM	Raw Material	01		Input	2.00	2.00	2.00										Detail
17	Wareh...	2147483000	320	1004...	1004...	RM	Raw Material	01			0.00	1.00	1.00										Batch
18	Wareh...	PMX_PLHE	280	0	0	RM	Raw Material	01			0.00	2.00	2.00										Batch
19	Wareh...	PMX_PLHE	278	0	0	RM	Raw Material	01			0.00	5.00	5.00										Batch
20	Wareh...	PMX_PLHE	277	0	0	RM	Raw Material	01			0.00	1.00	1.00										Batch
21	Wareh...	Sales Order	259	0	0	RM	Raw Material	01			10.00	10.00	10.00										Batch
22	Wareh...	Production	1030	10	10	RM	Raw Material	01		Input	12.00	12.00	10.00										Detail
23	Wareh...	Production	1027	10	20	RM_B	Raw Material / ...	01	0080	Input	10.00	8.00	8.00										Detail
24	Wareh...	Production	1031	10	20	RM_B	Raw Material / ...	01	0080	Input	15.00	8.00	1.00										Detail
25	Wareh...	Production	1031	10	20	RM_B	Raw Material / ...	01	0080	Input	15.00	8.00	5.00										Detail

In this example you can see how the "Document" column of the Reservation list displays all types of Beas/WMS documents, their related reserved quantities, and the locking level in a separate column – reflecting the now supported 3 locking level types: Detail, Batch and LUID.

Type: PMX_PLHE PMX_PLPH

PL Request - Previous to WMS create PLPH or PL

RESERVATION SYSTEM CHANGES: Reservation list screen

#	Type	Document	Number	Line 1	Line 2	Item	Description	Wareho	Batch	Bin Location	Inventory	Res. Entry	Reservation	Issue	Res. Total	Inventory	UoM	Date	Ref. Ty	Ref. Doc	Ref. Line	Ref. Lin	Lockin
24	Wareh...	Production	1031	10	20	RM_B	Raw Material / ...	01	0080	Input	15.00	8.00	1.00	<input type="checkbox"/>	19.00	243.00	Pcs	02/14/24					Detail
25	Wareh...	Production	1031	10	20	RM_B	Raw Material / ...	01	0080	Input	15.00	8.00	5.00	<input type="checkbox"/>	19.00	243.00	Pcs	02/14/24					Detail
26	Wareh...	Production	1031	10	20	RM_B	Raw Material / ...	01	0080	Input	15.00	8.00	1.00	<input type="checkbox"/>	19.00	243.00	Pcs	02/14/24					Detail
27	Wareh...	Production	1031	10	20	RM_B	Raw Material / ...	01	0080	Input	15.00	8.00	1.00	<input type="checkbox"/>	19.00	243.00	Pcs	02/14/24					Detail
28	Wareh...	2147483000	326	1004...	1004...	RM_B	Raw Material / ...	01	0080		0.00	1.00	1.00	<input type="checkbox"/>	19.00	243.00	Pcs	02/14/24	Work ...	1027	10	20	Batch
29	Wareh...	2147483000	325	1004...	1004...	RM_B	Raw Material / ...	01	0080		0.00	1.00	1.00	<input type="checkbox"/>	19.00	243.00	Pcs	02/14/24	Work ...	1027	10	20	Batch
30	Wareh...	Production	1030	10	20	RM_B	Raw Material / ...	01	0080	Input	10.00	4.00	1.00	<input type="checkbox"/>	19.00	243.00	Pcs	02/12/24					Detail
31	Wareh...	Production	1030	10	40	RM_B_AB	Raw Material / ...	01	LT006	1-A-2	10.00	10.00	10.00	<input type="checkbox"/>	25.00	00.00	Pcs	02/13/24					Detail
32	Wareh...		0	0	0	RM_B_AB	Raw Material / ...	01	LT006		0.00	0.00	5.00	<input type="checkbox"/>	25.00	00.00	Pcs	02/14/24					LUID
33	Wareh...		0	0	0	RM_B_AB	Raw Material / ...	01	LT006		0.00	0.00	10.00	<input type="checkbox"/>	25.00	00.00	Pcs	02/14/24					LUID
34	Wareh...	PMX_PLHE	281	0	0	RM_B_AB	Raw Material / ...	01	LT004	1-A-1	5.00	5.00	5.00	<input type="checkbox"/>	50.00	50.00	Pcs	02/14/24	Work ...	1027	10	40	Detail
35	Wareh...	Production	1027	10	40	RM_B_AB	Raw Material / ...	01	LT004	1-A-1	10.00	5.00	5.00	<input type="checkbox"/>	50.00	50.00	Pcs	02/13/24					Detail
36	Wareh...	Production	1028	10	40	RM_B_AB	Raw Material / ...	01	LT004	1-A-1	30.00	40.00	40.00	<input type="checkbox"/>	50.00	50.00	Pcs	02/13/24					Detail
37	Wareh...	PMX_PLHE	276	0	0	RM_B_WN	Raw Material / ...	01	QC_2024020...	SA.CD1	1.00	1.00	1.00	<input type="checkbox"/>	1.00	10.00	Pcs	02/14/24					Detail
38	Wareh...	Production	1030	10	20	RM_B	Raw Material / ...	06	0022		10.00	4.00	3.00	<input type="checkbox"/>	3.00	3.00	Pcs	02/13/24					Detail
39	Wareh...	Production	1027	10	30	RM_S	Raw Material / ...	01	<b.Batch>	1-A-1	10.00	1.00	1.00	<input type="checkbox"/>	1.00	1.00	Pcs	02/12/24					Detail

RESERVATION SYSTEM CHANGES: Reservation list screen

NEW:

The “Reservation Conflicts” button opens a screen to display conflicts of reservation/locking between Beas and WMS systems.

The Configuration wizard setting to Integrate WMS reservation system is linked for activation – it can align the existing reservations from both systems.

#	Type	Locking Level	Document	Number	Line 1	Line 2	Item	Description	Wareho	Batch	Bin Location	LUID	rement	Res. Entry	Reservation	Issue Res.
1	Ware...	Batch		0	0	0	RM_S_AB	Raw Material...	01				0.00	0.00	2.00	<input type="checkbox"/>
2	Ware...	LUID		0	0	0	RM_S_AB	Raw Material...	01	ST309		1087	0.00	0.00	3.00	<input type="checkbox"/>
5.00																

Configuration wizard [Version: 2024H.02.00.12 SBO: 1000180 for HANA | 0090288900]

- Administration
- Financials
- Business partner
- Sales
- Master Data
- Production
- Quality control
- Materials management
- Calculation
- Personnel
- Terminal and WEB APP
- System
- WMS
 - Integrate WMS Reservation System
 - Pick Type
 - Enable pick process
 - LUID behavior

Pick List Proposal + Picking List
 New LUID will be generated automatically

RESERVATION SYSTEM CHANGES: Inventory History screen

The Inventory history list now also displays the correct total quantity in the “Thereof reserved” field, and the “Remove” button is only available for Beas “Detail” locks.

Invent.History		RM_B_AB	Raw Material / Batch		Inflow	Outflow
Warehouse stock		825.00			825.00	0.00
Thereof reserved		115.00				
Blocked stock		0.00				
Sales Order		0.00				
Thereof reserved		0.00				
Goods issue for production		129.00				
Goods receipt from produ		0.00				
Goods receipt from PO		0.00				
Available		696.00				

#	Type	Locking Level	Document	Number	Line 1	Line 2	Item	Description	Wareho	Batch	Bin Location	LUID	rement	Res. Entry	Reservation Issue	Issue	Res. Total	Inventory
1	Ware	LUID		0	0	0	RM_B_AB	Raw Material...	01	LT006		2052	0.00	0.0	10.00		45.00	100.00
2	Ware	LUID		0	0	0	RM_B_AB	Raw Material...	01	LT006		2052	0.00	0.0	5.00		45.00	100.00
3	Ware	Detail	PMX_PLHE	281	0	0	RM_B_AB	Raw Material...	01	LT004	1-A-1	2045	5.00	5.0	5.00		50.00	50.00
4	Ware	Detail	Production	1027	10	40	RM_B_AB	Raw Material...	01	LT004	1-A-1	2045	10.00	5.0	5.00		50.00	50.00
5	Ware	Detail	Production	1028	10	40	RM_B_AB	Raw Material...	01	LT004	1-A-1	2045	30.00	40.0	40.00		50.00	50.00
6	Ware	Detail	Production	1030	10	40	RM_B_AB	Raw Material...	01	LT006	1-A-2	2051	10.00	10.0	10.00		45.00	100.00
7	Ware	Batch		0	0	0	RM_B_AB	Raw Material...	01	LT006			0.00	0.0	20.00		45.00	100.00
8	Ware	LUID		0	0	0	RM_B_AB	Raw Material...	01	BT101		2055	0.00	0.0	20.00		20.00	100.00

Beas reservation support to PMX WMS has been extended to 2 additional PMX WMS locking levels, making the function display 3 different levels:

- Detail
- LUID
- Batch

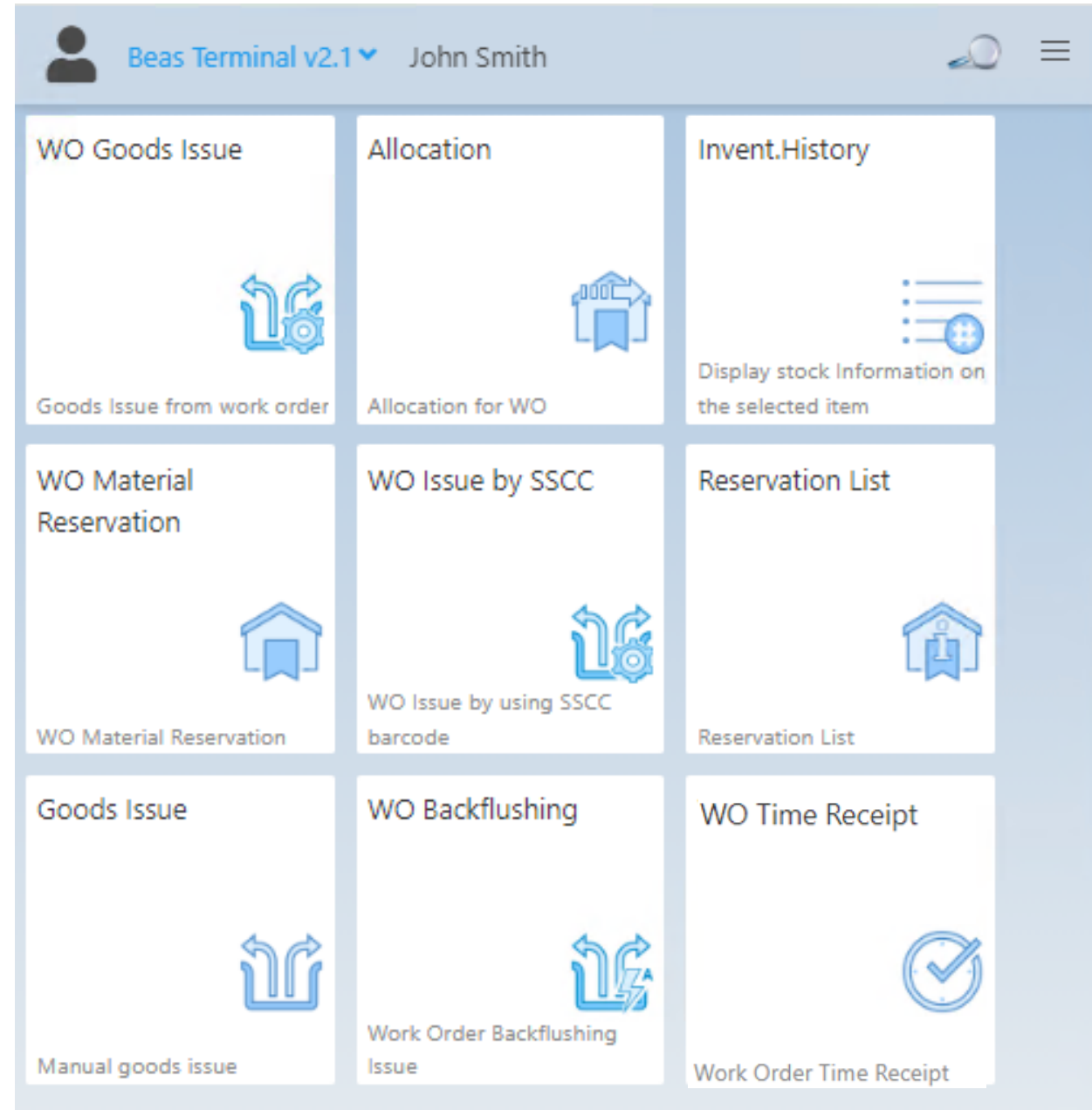
RESERVATION SYSTEM CHANGES: WebApps

NEW:

The Beas WebApps also reflect total reserved and available quantities considering all WMS locks in the system.

The affected WebApps are as follows:

- WO Goods Issue
- WO Time Receipt
- WO issue by SSCC
- WO Backflush
- Inventory history
- WO Material Reservation
- Reservation list
- Goods Issue
- Allocation



Beas Web Service: Keep Alive system

NEW FUNCTIONALITY:

Now the Beas Web Service includes a "Keep Alive system" to avoid any technical problems with access to the current web solution.

When the Web Service is started, a process is initiated in parallel to ensure the integrity and availability of the web page.

When the system detects that the Web solution is down for any reason, it restarts the web solution to ensure that the web page is always available.

Window: system_server_setup.psr

The Keep Alive system manages the following parameters:

- KeepAlive_Active
- KeepAlive URL to check
- KeepAlive Num Retry
- KeepAlive Petition TimeOut
- Keep Alive Interval to Wait
- KeepAlive Log Event Viewer

For more information on the parameters, and performance tips on splitting the web service in groups of users, visit the Activity log and our Online Help.

Japanese language Import

NEW functionality:

Beas has supported Japanese language for a long time, but many entries were not translated. Now the translation is complete.



APS: "Material OK" considers linked Work Order

NEW functionality:
The material check in APS now considers links between Work Orders.

For example, in Beas it is possible to link a WO that produces a subassembly that is needed for another WO.

This link is like a reservation, meaning that the WO of the subassembly serves the WO that it is linked to.

As part of this change, the logic to calculate a WO that is dependent on another WO was extended.

Dependent WO's that have a "linked dependency", have a higher priority than a "normal" WO that just delivers any other WOs.

The screenshot displays the SAP Work Orders interface. The main table lists work orders with columns for Document, Sales Order, Date, Customer Name, From, To, Item, Plan, Actual, and Drawing number. A red box highlights a row with Document 10, Sales Order TFS-98610-O, and Item TFS-98610-SUB-S, with a link icon and text 'WO:1000743 TFS-98610-SUB-S Sub Item Storage related'. A red arrow points from this row to another row with Document 10, Sales Order TFS-98610-SUB-S, and Item Sub Item Storage related. The right-hand panel shows details for 'Work Order Pos. 058 (1000743 / 10)', including fields for Position (10), Item (TFS-98610-SUB-S), Description (Sub Item Storage related), and Qty. to produce (32,0 Pcs). The bottom panel shows 'Quantity ordered' (20,0 Pcs) and 'Precalculation' (0).

APS: Allocation window - new filter

NEW functionality:

A new filter option has been added to show all entries again if the list was filtered by another option before.

The screenshot shows the SAP APS Allocation window for document 1000743. The 'Material Requirements' button is highlighted with a red box. A red arrow points to the 'Filter' button in the bottom right corner. A dropdown menu is open, showing the following options:

- allocation requirement
- Shortage
- only with Allocation ID
- only Purchased Items
- All**

The main table displays the following data:

#	Document	Pos	BOM	Item	Description	Delivery Date	Rem.Requir.	All
1	1000743	10	10	TFS-98610-Mat02	Material 2	19.01.2024	32,0	
2	1000743	10	20	TFS-98610-Mat03	Material 3	19.01.2024	32,0	

Performance improvement of loading Produmex information

NEW FUNCTIONALITY:

Better performance in "Reservation", "Collective Issue", "Allocation" screens with WMS information.

In previous versions, Beas loaded the information from WMS based on existing views. Now, the system reads tables directly to retrieve information and the performance is increased in reading operations.

This improvement mainly affects Serial Numbers, but the performance of reading the data of "Batch" and "Normal" items has become optimal, as well.

BeasScript: New object is available to create WMS PickList

NEW FUNCTIONALITY:

New BeasScript object "ue_produmex" to create Picklist and PickList proposal.
Detailed documentation for the new object is located in:

https://help.beascloud.com/script202311/index.html?ue_produmex.htm

Example:

Create a PickList for WO 419 and send to WMS:

```
declare=produmex=ue_produmex  
produmex=proposalpicking_basefilter=AND BEAS_FTPOS.BELNR_ID = 419  
produmex=proposalpicking_document_create  
produmex=proposalpicking_document_send=<value>  
destroy=produmex
```

Pick list generation error fix

BEFORE FIXING: The PickList to production window occasionally displayed an inactive icon for WMS integration when the connection was running properly.

NEW: Information is improved to display the number of pending messages to be processed instead of an inactive/active status.

#	Document Pos 1	Bill of Item	Planned quantity	Beas requested	Picklist Proposal	Pending request	Picked	Pending picking	Request	Inventory UoM	Warehouse	Warehouse Name	WMS Production Line
1	419	10 → 10 → RM	10,0000	18,0000	0,0000	10,0000	0,0000	0,0000	0,0000	10.820,0770 Pcs...	01	General Warehouse (WMS)	BeasProdLine
2	419	10 → 20 → RM_B	10,0000	14,0000	0,0000	10,0000	0,0000	0,0000	0,0000	834,7380 Pcs...	01	General Warehouse (WMS)	BeasProdLine

WebApps: Display “Available” Total Quantity instead of in stock quantity

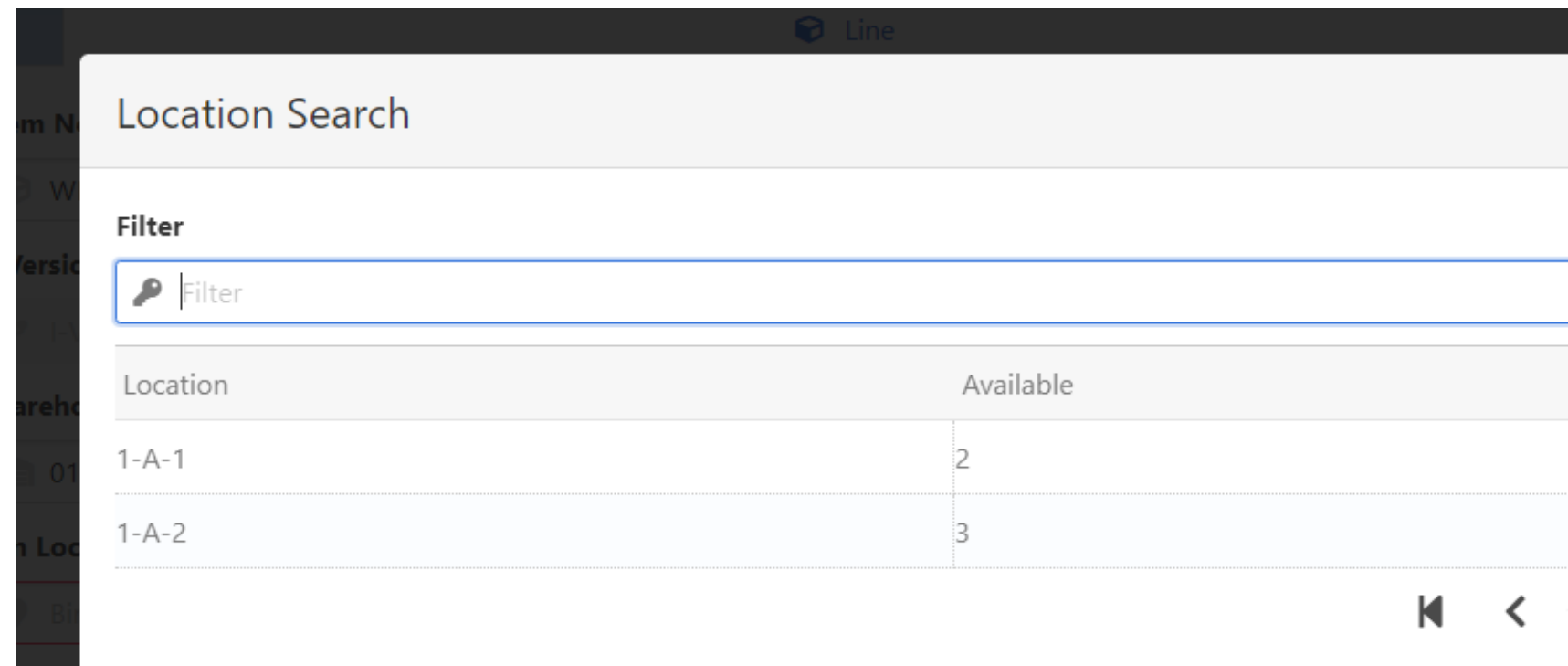
NEW FUNCTIONALITY:

Beas WebApps now display the correct, total "Available" quantity instead of "in stock" in screens where the system displays the quantity by bin Location.

Now with the "available" quantity, the system can take into consideration the "reserved" quantity and Beas will not display what is not available for the selected operation.

This new functionality affects the following WebApps:

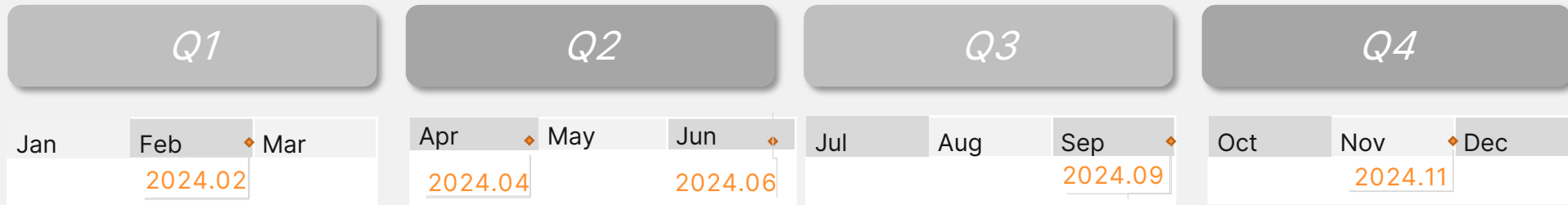
- WO Issue by SSCC
- WO Goods Issue
- WO Backflushing
- Inventory History
- WO Material Reservation
- Reservation List
- Goods Issue
- Allocation



The screenshot displays the 'Location Search' interface. It features a search filter input field with a magnifying glass icon and the text 'Filter'. Below the filter is a table with two columns: 'Location' and 'Available'. The table contains two rows of data.

Location	Available
1-A-1	2
1-A-2	3

2024 Planned releases



This is the current state of planning and may be changed by Boyum IT Solutions at any time.

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