

Performing Move with the Add-On with included WMS/Beas reservations

The following operation involves selecting lines on the Inventory Report form and performing moves with or without different reservations (WMS or Beas), enabling the filling of the Quantity field on the Perform Move form. In the Beas-WMS integration the move process is largely similar to the AdHoc Move with lock functionality on the mobile client.

Ultimately, the following results are possible: performing the move instantly or two Beas-specific endings: confirming the move with the reservation or selecting a reservation on a line (for these, or anything Beas-integration specific features, see the example). Alternatively, a lock-level specific error message is reported and the move is not performed.

The Move functionality process largely differs in terms of selecting a single or multiple line on the Inventory Report, therefore the two flows are highlighted in different sections.

For the Beas-WMS integration features to work properly, both BeasService and the Notification Listener needs to be running. For more on configuring the Notification Listener Tool, click [here](#).

Single Line Selection to Be Moved on Inventory Report Form

Selecting a single line to be moved on the Inventory Report involves multiple scenarios and outcomes depending on the reservation type and quantity. Overall, having WMS or no reservation eventually defaults to executing the move or reporting an error, while having Beas reservations divert to specific confirmations before executing the move. Also, moving partial quantities not only result in losing the SSCC in the process, but the process gets subdivided enabling different outcomes.

Note that for serial numbered and track located items partial move is not possible. The system will display an *Error 3000295* message.



No SSCC on the line

In this scenario, there is no SSCC attributed to the selected line on the Inventory Report. The outcomes are as follows:

Move entire quantity:

1. No reservation: Move is possible
2. WMS reservation: Error message (3000134: *Items are locked*) displayed (for [Detail-level locking](#),

when the [Picklist](#) is in 'Ready' status.)

3. BEAS reservation: Warning message displayed

Move partial quantity:

1. No reservation: Move is possible
2. WMS reservation:
 1. locked Quantity + move Quantity larger than entire Quantity: Error message displayed
 2. locked Quantity + move Quantity equal or smaller than entire Quantity: Move is possible
3. BEAS reservation:
 1. Single reservation for entire quantity: Warning message displayed
 2. Multiple reservations: Beas reservation selection

SSCC on the line

When an SSCC is attributed to the selected line, the SSCC will be removed when partial quantity is chosen, but kept for the entire quantity. Scenarios differ when the line shares the same SSCC with a not selected line or not. The outcomes are as follows:

No other line with the same SSCC

Move entire quantity:

1. No reservation: Move is possible
2. WMS reservation: Error message displayed
3. BEAS reservation: Warning message displayed

Move partial quantity (loses SSCC):

1. No reservation: Move is possible
2. WMS reservation:
 1. locked Quantity + move Quantity larger than entire Quantity: Error message displayed
 2. locked Quantity + move Quantity equal or smaller than entire Quantity: Move is possible
3. BEAS reservation:
 1. Single reservation for entire quantity: Warning message displayed
 2. Multiple reservations: Beas reservation selection

Other lines with the same SSCC

Move entire quantity: Error message displayed

Move partial quantity (loses SSCC):

1. No reservation: Move is possible

2. WMS reservation:
 1. locked Quantity + move Quantity larger than entire Quantity: Error message displayed
 2. locked Quantity + move Quantity equal or smaller than entire Quantity: Move is possible
3. BEAS reservation:
 1. Single reservation for entire quantity: Warning message displayed
 2. Multiple reservations: Beas reservation selection

Approaching the Move function with a single line selection from expected outcomes

Overall, the outcomes derive directly from the following steps:

Perform move

1. no reservation
2. equal or less (WMS locked + move) quantity than available

Error

1. larger quantity (WMS locked + move) than available
2. entire quantity with the same SSCC on another line

Beas confirmation

1. one (partial) Beas reservation
2. entire quantity with Beas reservation

Select Beas reservation

1. multiple (partial) Beas reservations

Multiple Line Selection to Be Moved on Inventory Report Form

The key difference when attempting a Move with multiple lines selected on the Inventory Report as opposed to when a single one is selected is the lack of partial quantity, hence the lack of e.g. Beas reservation selection or the presence of a WMS lock resulting in an error by default.



Single SSCC (no other lines with the same SSCC)

When no other line(s) have the same SSCC than the ones selected, the outcomes are as follows:

1. No reservation: Move is possible
2. WMS reservation: Error message displayed
3. BEAS reservation: Warning message displayed

Multiple SSCCs (selected lines have no other elements)

1. No reservation: Move is possible
2. WMS reservation: Error message displayed
3. BEAS reservation: Warning message displayed

Multiple SSCCs (an SSCC lacks a selected line)

Error

Approaching the Move function with multiple selection from expected outcomes

Perform move

1. no reservation

Error

1. WMS reservation
2. other, not selected line(s) sharing the same SSCC

Beas confirmation

1. Beas reservation

Beas-reservation example

The Beas-WMS integration results in additional opportunities when moving logistic units with Beas reservation(s) present. The outcomes differ when single or multiple lines are selected (see above). An extra warning and a selection field is added to the Move process on the Inventory Report in case of Beas reservations.

Single line selection

In a single line selection, two scenarios are possible with Beas reservation(s) present:

1. Confirming the move with moving entire quantity or partial quantity with one reservation

2. Selecting reservation with multiple reservations

In each case, an existing SSCC gets dropped when partial quantity is selected.

Example:

In Beas, we see the following six, Beas-reserved batch managed items at the same location on the work order:



In WMS, we can see that there are seven total items on two different lines - one line has five of the reserved items with SSCC. On another line two do not have SSCC, but out of those two only one has a Beas reservation (as seen above):

Inventory Report

Results

Item Code	Barcode	Description	Batch Number	Batch Num...	Best Before Date	Batc...	LUID	SSCC	Warehouse	Storage Loc...	Storage Lo...	Quality Status	Quantity	
ITEM01		Item 1							01	B0101	B0101	RELEASED	2.00	
ITEM01		Item 1							01	DOCK0101	DOCK0101	RELEASED	1.00	
ITEM01		Item 1					50	00000000000000499	01	B0101	B0101	RELEASED	5.00	
ITEM16		Item 16 - serial, track					14	00000000000000130	01	B0101	B0101	RELEASED	2.00	
ITEM16		Item 16 - serial, track					23	00000000000000222	01	B0101	B0101	RELEASED	2.00	
ITEM16		Item 16 - serial, track					46	00000000000000451	01	B0102	B0102	RELEASED	1.00	
ITEM08		Item 8 - Serial managed							01	B0101	B0101	RELEASED	1.00	
ITEM08		Item 8 - Serial managed							01	INP0102	INP0102	RELEASED	1.00	
ITEM08		Item 8 - Serial managed					22	00000000000000215	01	B0102	B0102	RELEASED	3.00	
BEAS_RM1		Raw material 1							01	B0102	B0102	RELEASED	17.00	
BEAS_RM1		Raw material 1					1	00000000000000024	01	B0101	B0101	RELEASED	2.00	
BEAS_RM2		Raw material 2					18	00000000000000178	01	B0101	B0101	RELEASED	6.00	
BEAS_RM2		Raw material 2					19	00000000000000185	01	B0101	B0101	RELEASED	2.00	
BEAS_RM2		Raw material 2					20	00000000000000192	01	B0101	B0101	RELEASED	2.00	
BEAS_RM_B1		Raw material Batch managed 1	B01001				1	49	000000000000000482	01	INP0102	INP0102	RELEASED	5.00
BEAS_RM_B1		Raw material Batch managed 1	B01002				4	31	000000000000000307	01	B0102	B0102	RELEASED	2.00
BEAS_RM_B1		Raw material Batch managed 1	B01002				4	49	000000000000000482	01	INP0102	INP0102	RELEASED	3.00
BEAS_RM_BB2		Raw material Batch managed BB2	BBATCH3		09/20/24		8	40	000000000000000390	01	INP0101	INP0101	RELEASED	2.00
BEAS_RM_BB2		Raw material Batch managed BB2	BBATCH4		09/22/24		9	41	000000000000000406	01	B0101	B0101	RELEASED	4.00
BEAS_RM_BB2		Raw material Batch managed BB2	BBATCH4		09/22/24		9	48	000000000000000475	01	INP0101	INP0101	RELEASED	1.00
BEAS_RM_BB3		Raw material Batch managed BB2	BB3B1		03/31/24		10	43	000000000000000420	01	B0101	B0101	RELEASED	10.00
BEAS_RM_BB3		Raw material Batch managed BB2	BB3B2		05/15/24		11	44	000000000000000437	01	B0102	B0102	RELEASED	10.00

Ok

Locking

Change

Print Labels

Move

When moving the five items with the same Beas reservations, no reservation selection is offered:

LUID	SSCC	Warehouse	Storage Loc...	Storage Lo...	Quality Status	Quantity	UoM	Quantity2	UoM2	Supp
		01	B0101	B0101	RELEASED	3.00				
		01	DOCK0101	DOCK0101	RELEASED	1.00				
50	00000000000000499	01	B0101	B0101	RELEASED	5.00				
14	00000000000000130	01	B0101	B0101	RELEASED	2.00				
23	00000000000000222	01	B0101	B0101	RELEASED	2.00				
46	00000000000000451	01	B0102	B0102	RELEASED	1.00				
		01	B0101	B0101	RELEASED	1.00				
		01	INP0102	INP0102	RELEASED	1.00				
22	00000000000000215	01	B0102	B0102	RELEASED	3.00				
		01	B0102	B0102	RELEASED	17.00				
1	00000000000000024	01	B0101	B0101	RELEASED	2.00				
18	00000000000000178	01	B0101	B0101	RELEASED	6.00				
19	00000000000000185	01	B0101	B0101	RELEASED	2.00				
20	00000000000000192	01	B0101	B0101	RELEASED	2.00				
49	000000000000000482	01	INP0102	INP0102	RELEASED	5.00				
31	000000000000000307	01	B0102	B0102	RELEASED	2.00				
49	000000000000000482	01	INP0102	INP0102	RELEASED	3.00				

Perform Move

Destination location:

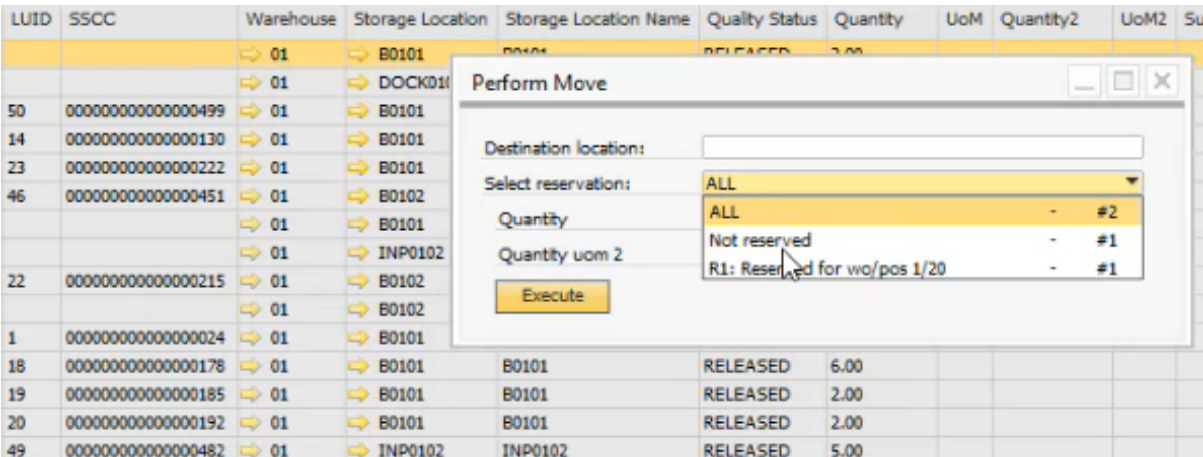
Quantity Maximum quantity: 5

Quantity uom 2

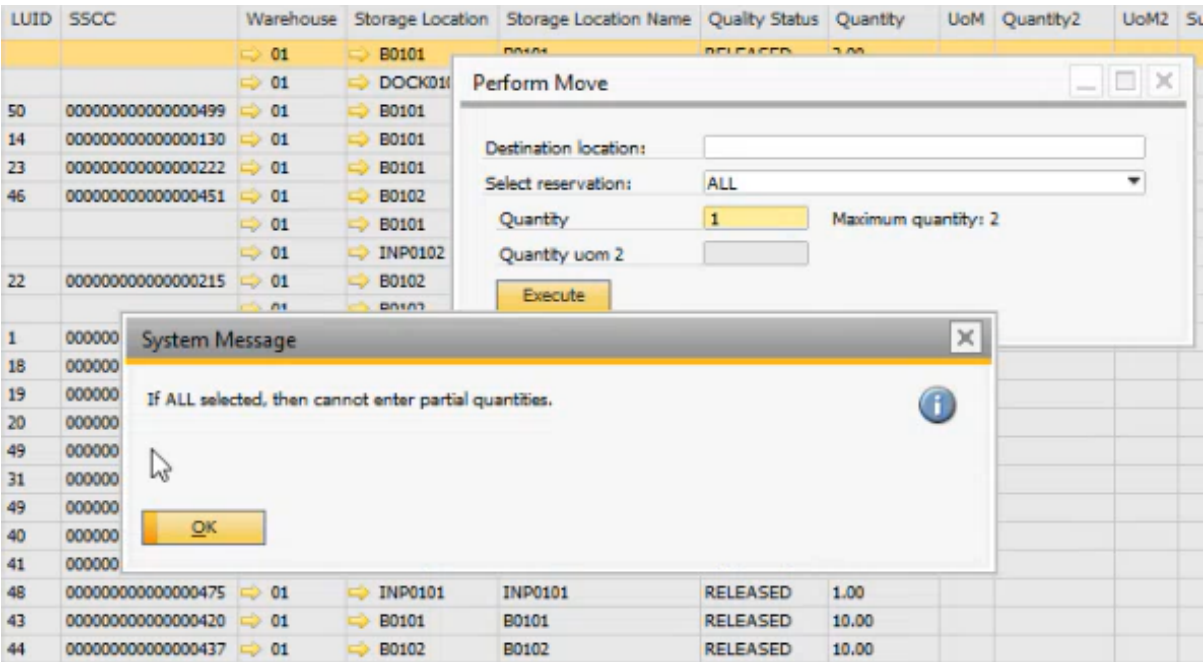
Execute

When moving the line with two items but with a Beas reservation on one of them, the selection screen is offered (For the 'No Reservation' option there is no lock on the item. 'Reserved for Wo/Pos' refers to

a Beas reservation - work order and assembly number displayed). Less than full quantity can be added, therefore partial quantity move is possible.:



In this case, when 'ALL' is selected but a partial quantity is typed, the system blocks the request:



However, when the maximum available quantity is entered for the reserved unit, the system proceeds with the move:

LUID	SSCC	Warehouse	Storage Location	Storage Location Name	Quality Status	Quantity	UoM	Quantity2	UoM2	S
		01	B0101	B0101	RELEASED	3.00				
		01	DOCK0101	DOCK0101	RELEASED	1.00				
50	00000000000000499	01	B0101	B0101	RELEASED	1.00				
14	00000000000000130	01	B0101	B0101	RELEASED	1.00				
23	00000000000000222	01	B0101	B0101	RELEASED	1.00				
46	00000000000000451	01	B0102	B0102	RELEASED	1.00				
		01	B0101	B0101	RELEASED	1.00				
		01	INP0102	INP0102	RELEASED	1.00				
22	00000000000000215	01	B0102	B0102	RELEASED	1.00				
		01	B0101	B0101	RELEASED	1.00				
1	000000									
18	000000									
19	000000									
20	000000									
49	000000									
31	000000									
49	000000									
40	000000									
41	000000									
48	00000000000000475	01	INP0101	INP0101	RELEASED	1.00				
43	00000000000000420	01	B0101	B0101	RELEASED	10.00				
44	00000000000000437	01	B0102	B0102	RELEASED	10.00				

Perform Move

Destination location: B0102

Select reservation: R1: Reserved for wo/pos 1/20

Quantity 1 Maximum quantity: 1

Quantity uom 2

Execute

System Message

Move executed.

OK

Now we can see that in Beas, the order of the two items changed because the reserved item without SSCC was moved to the new location:



Multiple line selection

In this example, we are moving two Beas-reserved items as highlighted on the work order:



When multiple lines on the Inventory Report in WMS are selected with at least one with a Beas reservation, the system does not offer reservation selection, only a warning is sent to the user before performing the move:

Item Code	Barcode	Description	Batch Number	Batch Number 2	Best Before Date	Batch ID	SSCC	Warehouse	Storage Location	Storage Location Name	Quality Status	Quantity	UoM	Quantity2
ITEM01		Item 1						01	B0101	B0101	RELEASED	1.00		
ITEM01		Item 1						01	B0102	B0102	RELEASED	1.00		
ITEM08		Item 8 - Serial managed						01	DOCK0101	DOCK0101	RELEASED	1.00		
ITEM08		Item 8 - Serial managed						01						
BEAS_RM1		Raw material 1						01						
ITEM16		Item 16 - serial, track						01						
BEAS_RM2		Raw material 2						01						
BEAS_RM2		Raw material 2						01						
ITEM08		Item 8 - Serial managed						01						
ITEM16		Item 16 - serial, track						01						
BEAS_RM_B1		Raw material Batch managed 1	B01002			4		01						
BEAS_RM_BB2		Raw material Batch managed BBD 2	BBATCH3		09/20/24	8		01						
BEAS_RM_BB2		Raw material Batch managed BBD 2	BBATCH4		09/22/24	9		01						
BEAS_RM_BB3		Raw material Batch managed BBD 3	BB381		03/31/24	10		01						
BEAS_RM_BB3		Raw material Batch managed BBD 3	BB382		05/15/24	11		01						
ITEM16		Item 16 - serial, track						01						
BEAS_RM_BB2		Raw material Batch managed BBD 2	BBATCH4		09/22/24	9		01						
BEAS_RM_B1		Raw material Batch managed 1	B01001			1		01						
BEAS_RM_B1		Raw material Batch managed 1	B01002			4		01	INP0102	INP0102	RELEASED	3.00		
ITEM01		Item 1						01	B0101	B0101	RELEASED	5.00		

Perform Move

Destination location: B0102

Quantity

Quantity uom 2

Execute

System Message

There is a Beas reservation on the item(s) to be moved.

Continue with move?

Yes No

After the move is executed, the new location is displayed in the Beas Work Orders once it is refreshed:



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