

Incident: 1059349 / 2023 - During Transfer Posting From normal stock to Project 412 Q we are facing Price difference

ID	002075129500010593492023
Customer	2497386 - Vishvaraj Environment Private Limit
Installation	0021237307 - SAP S/4HANA PRIV. CL. ED.
System	QS4 - QS4VHE
Component	Goods Movement Valuation (MM-IM-GF-VAL)
Status	Customer Action
Priority	High
Estimated Automatic Confirmation Date	19.12.2023

Communication

27.11.2023 07:28:35 CET - Problem Description: SAP PCE User (S0023764130)

--- Product/Function ---

Predicted product: SAP S/4HANA

No predicted product function

User selected product function: SAP S/4HANA > Supply Chain > Inventory Management

Predicted component: MM-IM-GI-DET (Product Function)

Component: MM-IM-ST (Support Assistant)

Product: SAP S/4HANA (Support Assistant)

Product function: SAP S/4HANA > Supply Chain > Inventory Management (Support Assistant)

No predicted product function

--- Support Assistant ---

Path Taken

Goods Movements

Transfer Postings

Questions Answered

--- TagID/AreaID ---

TagID: #3

AreaID: 00109B36D6221EDBB0C0294B42E260E8

--- Steps to Reproduce ---

*Note To SAP:

I give approval for SAP Support to use these Steps to Reproduce, while connected to my impacted non-production environments, even if the steps result in a change being made and my approval remains valid until the issue is resolved, unless I inform SAP Support otherwise.

--- Description ---

While we are making transfer posting of normal stock to WBS element system is showing Price difference (Key - AUM), movement type used here is 412.

27.11.2023 07:28:36 CET - Business Impact: SAP PCE User (S0023764130)

Inventory Value is showing Wrong

27.11.2023 11:05:39 CET - Info for Customer: SAP

Dear Customer,

My name is Karen and I have taken over the processing of your incident.

The connection to your Test System QS4 is currently not possible. Therefore, I would like you to check the following information:

When a transfer posting is made, to send the stock FROM the normal, anonymus warehouse stock INTO the valuated project stock, we are transferring stock between two different segments which could be valuated at different prices. Refer to tables MBEW and QBEW.

This is the value of the goods movement: See the note 180503 in this regard: The movement type 412 is a reversal movement type (T156-XSTBW = X) and, as such, the goods movement is valuated according to the receiving segment of the sales order stock.

Please also refer to the following notes and KBAs:

[0001915998](#) - Valuation of a Movement when Special Stock E/Q is involved

[0000212286](#) - Overview Note: Valuation for goods movements

[0000180503](#) - Val. logic during transfer posting with reversal movem. type

[0002624573](#) - Stock posting in transfer posting with mov. 412 and special stock Q/E

I hope that this information clarifies your query. If so, please close this incident at your earliest convenience. Otherwise, please send it back for further analysis. In this case, I would like to logon to your Test System QS4 to check this issue further. Please provide with the remote connection to your System opened and the Logon Data for it (Client Number, User ID and Password) updated in the secure area as per the note [0001773689](#).

Thanks in advance. Best regards,

Karen
SAP Product Support - Materials Management
SAP hotline for urgent issues - see SAP Note [0000560499](#)

28.11.2023 06:51:47 CET - Info for SAP: SAP PCE User (S0023764130)

Dear Team

Connections and Login details are mentioned, Please check and revert

28.11.2023 10:22:03 CET - Info for Customer: SAP

Dear Customer,

Thanks for your cooperation.

Kindly be informed that I am currently logged on to your Test System QS4 100 checking your posting. I will contact you with an update as soon as possible.

Best regards,
Karen

28.11.2023 11:34:34 CET - Info for Customer: SAP

Dear Customer,

I have finished my analysis in your Test System QS4 100.

Transfer Posting 4900035718 2023 generated the following Accounting document 4900005082:

It	PK	Account	Description	Amount	Curr	Material
Plant	Quantity	WBS element	Trs			
1	81	2101000002	STOCK - STEEL	5.859,97	INR	1700000242
	3053	0,105 TO E-034-ST-01-01	BSX			
2	91	2101000002	STOCK - STEEL	5.250,00-	INR	1700000242
	3053	0,105- TO	BSX			
3	93	4100000202	PRICE DIFF-STEEL	609,97-	INR	1700000242
	3053	0,105- TO	AUM			
4	81	2101000002	STOCK - STEEL	85.907,24	INR	1700000243
	3053	1,550 TO E-034-ST-01-01	BSX			
5	91	2101000002	STOCK - STEEL	77.500,00-	INR	1700000243
	3053	1,550- TO	BSX			
6	93	4100000202	PRICE DIFF-STEEL	8.407,24-	INR	1700000243
	3053	1,550- TO	AUM			

When the transfer posting was made, to send the stock FROM the normal, anonymus warehouse stock INTO the valuated project stock, we were transferring stock between two different segments which were valuated at different prices.

When you created the WBS Element E-034-ST-01-01, it was created with the valuation indicator 'M'. This can be seen in the table PRPS. The field is PRPS-KZBWS.

Please, have a look at the F1-on-line help for this indicator. This means that the project stock assigned to this project will be valuated separately, in a different way, than the normal, anonymus warehouse stock.

Refer to the KBA [0001915998](#) - Valuation of a Movement when Special Stock E/Q is involved.

Now please refer to the note [0000180503](#) about the value of the goods movement: The movement type 412 is a reversal movement type (T156-XSTBW = X) and, as such, the goods movement is valued according to the receiving segment of the project stock.

Receiving segment (WBS element)

Right before this reception was posted, the stock situation was as follows (for this, please refer to table MSEG, fields LBKUM and SALK3):

MBLNR	MJAHR	ZEILE	BWART	MATNR	WERKS	LGORT	SOBKZ	SHKZG	DMBTR	MENGE
MEINS	LBKUM	SALK3	VPRSV	KZBWS	MAT_PSPNR					
4900035718	2023	0001 412		1700000242	3053	1000	Q	S	5.859,97	0,105
TO	41,268	2.303.133,75	V	M	00010544					
4900035718	2023	0003 412		1700000243	3053	1000	Q	S	85.907,24	1,550
TO	38,148	2.114.315,73	V	M	00010544					

Material 1700000242
 Stock = 41,268 TO
 Value = 2.303.133,75 INR

BSX is valued according to the value. Refer to note [0000212286](#) (Stock Posting section).

So,

$$BSX1 = 0,105 \text{ TO} \times 2.303.133,75 \text{ INR} / 41,268 \text{ TO} = 5.859,96519 \text{ which is rounded to } 5.859,97 \text{ INR.}$$

Material 1700000243
 Stock = 38,148 TO
 Value = 2.114.315,73 INR

$$BSX2 = 1,550 \text{ TO} \times 2.114.315,73 \text{ INR} / 38,148 \text{ TO} = 85.907,239737 \text{ rounded to } 85.907,24 \text{ INR.}$$

Issuing segment (own)

Since the Material is MAP controlled, the issuing segment accepts the value coming from the strong (receiving) segment.

MSEG shows

MBLNR	MJAHR	ZEILE	BWART	MATNR	WERKS	LGORT	SOBKZ	SHKZG	DMBTR	MENGE
MEINS	LBKUM	SALK3	VPRSV							

4900035718	2023	0002 412	1700000242	3053	1000	H	5.250,00	0,105
TO	0,105	5.250,00	V					
4900035718	2023	0004 412	1700000243	3053	1000	H	77.500,00	1,550
TO	1,550	77.500,00	V					

The stock situation (MBEW) right before this goods issue was posted, was:

Material 1700000242
 Stock = 0,105 TO
 Value = 5.250,00 INR

Material 1700000243
 Stock = 1,550 TO
 Value = 77.500,00 INR

As you can see, we did not have value enough to carry out the posting at the value given externally: If we issue -5.859,97 INR (material 1700000242) and -85.907,24 INR (material 1700000242), the value of the stock would have run into negative figures, which is not allowed.

We, therefore, cleared totally the value of the stock (posting -5.250,00 INR and -77.500,00 INR to the Stock Account BSX) and posted the differences to the AUM account.

Have modified KBA [0002624573](#) to include this constellation.

Hope this information if of help.

Best regards,
 Karen

Contacts

Role	Name	Time Zone	Primary Phone	Secondary Phone	E-Mail
System Opener		UTC+00			
SECONDARY		UTC+00			
Reporter	SAP PCE User (S0023764130)	Centra		9860742791	vivek.chopade@vilindia.com
24h Contact		UTC+00			

Attachments

File Name	Description	File Type	File Size	Created By	Created On
Price difference.docx	S0023764130 - 11/27/2023, 12:05:12 PM	DOCX	766.9 KB	SAP PCE User (S0023764130)	27.11.2023 07:35:12 CET

KBA/SAP Notes

KBA/SAP Note Number	Note Text
560499	Customer Interaction Center: Hotline - Email - Chat
1773689	How to add logon credentials (S-user ID and password) to the Customer Remote Logon Depot for a support case - SAP for Me
2624573	Stock posting in transfer posting with mov. 412 and special stock Q/E
212286	Overview Note: Valuation for goods movements
180503	Val. logic during transfer posting with reversal movem. type
1915998	Valuation of a Movement when Special Stock E/Q is involved

Action Log

Changed On	Changed At	Changed By	Action	Old Value	New Value
Monday 27.11.2023	07:28:35 CET	SAP PCE User (S0023764130)	Priority changed	Medium	High
	07:28:35 CET	SAP PCE User (S0023764130)	Incident created		0020751295 0001059349 2023
	07:28:35 CET	SAP PCE User (S0023764130)	Component		MM-IM-GI-DET
	07:28:46 CET	SAP PCE User (S0023764130)	Memo/Text changed	Problem Description	Problem Description
	07:28:50 CET	SAP PCE User (S0023764130)	Memo/Text changed	Problem Description	Problem Description
	07:33:04 CET	SAP PCE User (S0023764130)	Memo/Text changed	Problem Description	Problem Description
	07:33:04 CET	SAP PCE User (S0023764130)	Component	MM-IM-GI-DET	MM-IM-ST
	07:35:12 CET	SAP PCE User	Memo/Text	Problem	Problem

		(S0023764130)	changed	Description	Description
	07:35:12 CET	SAP PCE User (S0023764130)	Status	Not Sent to SAP	Sent to SAP
	09:13:52 CET	SAP	Component	MM-IM-ST	MM-IM-GF-VAL
	10:02:52 CET	SAP	Status	Sent to SAP	In Processing by SAP
	11:07:25 CET	SAP	Memo/Text changed		Info for Customer
	11:07:25 CET	SAP	SAP Note add./rem.		2624573
	11:07:25 CET	SAP	SAP Note add./rem.		1915998
	11:07:25 CET	SAP	SAP Note add./rem.		1773689
	11:07:25 CET	SAP	SAP Note add./rem.		560499
	11:07:25 CET	SAP	SAP Note add./rem.		212286
	11:07:25 CET	SAP	SAP Note add./rem.		180503
	11:07:25 CET	SAP	Status	In Processing by SAP	Customer Action
Tuesday 28.11.20 23	06:51:49 CET	SAP PCE User (S0023764130)	Status	Customer Action	Sent to SAP
	06:51:52 CET	SAP	Memo/Text changed		Info for SAP
	06:51:52 CET	SAP	Status	Customer Action	In Processing by SAP
	10:22:03 CET	SAP	Memo/Text changed		Info for Customer
	11:34:37 CET	SAP	Memo/Text changed		Info for Customer
	11:34:37 CET	SAP	Status	Sent to SAP	Customer Action

29.11.2023 07:15:28 CET