

492828 - Determining the transaction key for 2LIS_03_BF + 2LIS_03_UM

Component: BW-BCT-MM-IM (SAP Business Warehouse > BW only - Business Content and Extractors > BW only - Materials Management > BW only - Inventory Management), Version: 5, Released On: 18.07.2005

| Symptom

This consulting note describes how to determine the transaction key (the BWVORG field in the plug-in, 0PROCESSKEY InfoObject in the BW)) for the extraction of material movements and revaluations (2LIS_03_BF and 2LIS_03_UM extractors) in the R/3 plug-in system.

| Other Terms

MC03BF0, MC03UM0

| Reason and Prerequisites

The following transaction keys are available in the standard system (see transaction MCB0) for the MM application component and Application 03 (Inventory Controlling).

Extractor 2LIS_03_BF

Transaction Description Receipt/Issue

000 Misc.

001 Goods receipt/vendor Receipt

004 Matl transfer posting/inbound Receipt

005 Stock adjustment inventory + Receipt

006 Stock adjustment other + Receipt

010 Receipt from stock transfer Receipt issues Issue

101 Returns/vendor Issue

104 Matl transfer posting/outbound Issue

105 Stock adjustment inventory - Issue

106 Stock adjustment inventory - Issue

110 Issue from stock transfer Issue

Extractor 2LIS_03_UM

Transaction Description

revaluation +

051 Revaluation/price change +

052 Revaluation/invoice verification + + + revaluation -

151 Revaluation/price change -

152 Revaluation/invoice verification - - -

| Solution

Extractor 2LIS_03_BF

1. Determine whether the transferred row of the 2LIS_03_BF extractor corresponds to a receipt or an issue.

Receipt:

- The debit/credit indicator of the movement type = DEBIT (T156-SHKZG = S) and the movement type is not defined as a reversal movement type (T156-XSTBW = BLANK).
- The debit/credit indicator of the movement type = CREDIT (T156-SHKZG = H) and the movement type is defined as a reversal movement type (T156-XSTBW = X).

In this case, the transferred row is also determined as a receipt. However, the ROCANCEL = X (BW: 0STORNO) indicator is set. For this reason, the fields of the 2LIS_03_BF extractor, where the STORNO = X (ROOSFIELD table, STORNO field) reversal indicator is set, are transferred with a minus sign. This means that key figures in the BW are also updated with a minus sign (subtracted) if they are based on the fields described above.

- For more information, see note 352344.

Issue:

- The debit/credit indicator of the movement type = CREDIT (T156-SHKZG = H) and the movement type is not defined as a reversal movement type (T156-XSTBW = BLANK).
- The debit/credit indicator of the movement type = DEBIT (T156-SHKZG = S.) and movement type is defined as a reversal movement type (T156-XSTBW = X).

In this case, the transferred row is also determined as an issue. However, the ROCANCEL = X (BW: 0STORNO) indicator is set. For this reason, the fields of the 2LIS_03_BF extractor, where the STORNO = X (ROOSFIELD table, STORNO field) reversal indicator is set, are transferred with a minus sign. This means that key figures in the BW are also updated with a minus sign (subtracted) if they are based on the fields described above.

- For more information, see note 352344.

Exceptions:

- Movement type 122 is defined as an issue even though it was defined as a reversal movement type in the T156 table. Movement type 123 is accordingly defined as an issue (with a minus sign).
- If the movement type of the posting is flagged as a stock transfer movement type (table TMCA field UMLKZ = X), the system creates an additional line item as an offsetting entry (MSEG-XAUTO = X). This receives the same movement type, however the opposite debit/credit indicator. In this case, the debits/credit indicator does not correspond to the entry in the T156 table because it is determined during the creation of the material document.

The following are possible transaction keys for a receipt: 000, 001, 004, 005, 006, 010

000, 001, 004, 005, 006 and 010 100, 101, 104, 105, 106, 110 100, 101, 104, 105, 106, 110

2. Transaction key 004 or 104

Transaction key 004 or 104 is determined if the posting movement type is flagged as a stock transfer movement type (TMCA table, UMLKZ = X field) and an article transfer posting or material transfer posting exists (MSEG-UMMAT < > MSEG-MATNR).

3. Transaction key 010 or 110

Transaction key 010 or 110 is determined if the posting movement type is flagged as a stock transfer movement type (TMCA table, UMLKZ = X field) and a stock transfer exists between different plants (MSEG-UMWRK < > MSEG-WERKS).

4. Transaction key 005 or 105

If the posting movement type corresponds to a physical inventory (TMCA table, INVKZ = X field).

5. Transaction key 006 or 106

If the posting movement type corresponds to a stock adjustment (TMCA table, KORR = X field).

6. Transaction key 001 or 101

If the movement type with reference to a vendor (MSEG-LIFNR <> BLANK) and does not correspond to a stock transfer movement type, a physical inventory or a stock adjustment.

7. Transaction key 000 or 100

All remaining goods movements.

Extractor 2LIS_03_UM

1. Transaction key 51

Revaluation through a material price change (for example, with transaction MR21) and the debit/credit indicator = DEBIT.

2. Transaction key 151

Revaluation through a material price change (for example, with transaction MR21) and the debit/credit indicator = CREDIT.

3. Transaction key 52

Revaluation through invoice verification and the debit/credit indicator = DEBIT.

4. Transaction key 152

Revaluation through invoice verification and the debit/credit indicator = CREDIT.

5. Transaction key 50

Revaluations not caused by a material price change or invoice and the debit/credit indicator = DEBIT.

6. Transaction key 150

Revaluations not caused by a material price change or invoice and the debit/credit indicator = CREDIT.

Example:

- Goods receipt (ten pieces of material 4711) with movement type 561. Then, goods issue (two pieces of material 4711) with movement type 562.

Key figure 'Overall stock adjustment (positive)/BasME' = 0 (see InfoCube 0CP_IC_C1).

Movement type 561 is processed as a receipt since it is defined as a regular 'debit' movement type (T156-SHKZG = S. and T156-XSTBW = BLANK).

The movement type corresponds to a stock adjustment (TMCA table, KORR = X field).

=> transaction key = 006

Movement type 562 is also processed as a receipt since it is defined as a reversed 'credit' movement type (T156-SHKZG = H and T156-XSTBW = X).

=> transaction key = 006

The ROCANCEL = X field is also set.

Key figure => 'Overall stock adjustment (positive)/BasME' = 8.

Attributes

Key	Value
Other Components	Materials Management > Inventory Management (MM-IM)
Transaction codes	MR21

This document refers to

SAP Note/KBA	Component	Title
1402894		<u>BW-BCT-ISR</u>
538770	XX-CSC-BR	<u>Movement Types 861-864 in Table TMCA</u>
399929	BW-BCT-MM-IM	<u>Update of extractor 2LIS_03_BF different</u>
382779	BC-BW	<u>Cancellation field in the DataSource maintenance RSA6</u>
352344	BW-BCT-MM	<u>Process key + reversals in Inventory Management</u>

This document is referenced by

SAP Note/KBA	Component	Title
1402894		<u>Determining transaction keys for component IS-R</u>
586163	BW-BCT-MM-IM	<u>Composite SAP Note for SAP ERP Inventory Management in SAP BW</u>
382779	BC-BW	<u>Cancellation field in the DataSource maintenance RSA6</u>
538770	XX-CSC-BR	<u>Movement Types 861-864 in Table TMCA</u>
352344	BW-BCT-MM	<u>Process key + reversals in Inventory Management</u>
399929	BW-BCT-MM-IM	<u>Update of extractor 2LIS_03_BF different</u>