

**Fusion INV - Explanation of Inventory Transaction Type, Transaction Action and Transaction Source Type (Doc ID 1523050.1)****APPLIES TO:**

Oracle Fusion Inventory Management - Version 1.0-Beta and later
Information in this document applies to any platform.

PURPOSE

An overview of the Transaction Type and Transaction Source as used in Fusion Inventory Management.

SCOPE

Users of Fusion Inventory Management.

DETAILS

Whenever a transaction affecting physical inventory occurs, a unique record of that transaction is written to the INV_MATERIAL_TXNS table using the Primary Key of TRANSACTION_ID. Three important columns within this table are the Transaction Type (TRANSACTION_TYPE_ID), Transaction Action (TRANSACTION_ACTION_ID) and Transaction Source (TRANSACTION_SOURCE_TYPE_ID). The combination of these three fields determines the type of inventory transaction that has occurred, what occurred and the source activity.

```
SELECT * from FUSION.INV_MATERIAL_TXNS where inventory_item_id='300000001946820' and organization_id='300000001098940' order by creation_date;
```

	INVENTORY_ITEM_ID	ORGANIZATION_ID	S...	TRANSACTION_TYPE_ID	TRANSACTION_ACTION_ID	TRANSACTION_SOURCE_TYPE_ID	TRANSACTION_QUANTITY
1	300000001946820 ..	300000001098940	Stores...	42 27		13	10000
2	300000001946820 ..	300000001098940	Stores...	18 27		1	6
3	300000001946820 ..	300000001098940	Stores...	3 3		13	-100
4	300000001946820 ..	300000001098940	Stores...	18 27		1	450
5	300000001946820 ..	300000001098940	FGI ...	18 27		1	350
6	300000001946820 ..	300000001098940	FGI ...	18 27		1	200
7	300000001946820 ..	300000001098940	Stores...	42 27		13	55
8	300000001946820 ..	300000001098940	FGI ...	32 1		13	-33

TRANSACTION_TYPE_ID

The Transaction Type relates to the type of inventory transaction that has occurred, e.g. Miscellaneous Issue, Cycle Count Adjustment etc. The descriptions of these are stored in the INV_TRANSACTION_TYPES_TL table.

TRANSACTION_TYPE_ID	TRANSACTION_TYPE_NAME	DESCRIPTION
1	Account Issue	Issue material against an account
2	Subinventory Transfer	
3	Direct Organization Transfer	Directly transfer material between two organizations
4	Cycle Count Adjustment	Record cycle count adjustments
5	Cycle Count Transfer	Transfer material to a subinventory based on a cycle count
8	Physical Inventory Adjustment	Adjust a physical inventory transaction
9	Physical Inventory Transfer	
10	Logical Intercompany Shipment Receipt	
11	Logical Intercompany Sales Issue	
12	Intransit Receipt	
13	Logical Intercompany Receipt Return	
14	Logical Intercompany Sales Return	
15	RMA Receipt	Receive material based on a return material authorization
16	Logical RMA Receipt	
18	Purchase Order Receipt	Receive material against a purchase order
19	Logical Purchase Order Receipt	
20	Retroactive Price Update	
21	Intransit Shipment	Ship to another organization
22	Logical Intercompany Procurement Receipt	
23	Logical Intercompany Procurement Return	
30	Logical Sales Order Issue	

31	Account Alias Issue	Issue material against an account alias
32	Miscellaneous issue	
33	Sales Order Issue	Ship confirm a customer sales order
35	Work in Process Material Issue	Work in Process Material Issue
36	Return to Supplier	Return material to a supplier from inventory
37	RMA Return	Return material based on a return material authorization
39	Logical Return to Supplier	Logical Return to Supplier
40	Account Receipt	Receive material against an account
41	Account Alias Receipt	Receive material against an account alias
42	Miscellaneous Receipt	Perform miscellaneous receipt of material
50	Transfer Order Intraorganization Transfer	
51	Work in Process Pick	Work in Process Pick
52	Sales Order Pick	Staging transfer on a Sales order
53	Transfer Order Pick	Staging transfer on Transfer Order
54	Transfer Order Interorganization Transfer	
61	Transfer Order Interorganization Receipt	
62	Transfer Order Interorganization Shipment	
63	Movement Request Issue	Issue material against a movement request
64	Movement Request Transfer	Transfer material against a movement request
69	Logical Purchase Order Receipt Adjustment	
70	Shipment Receipt Adjustment	Adjustment to receipt of intransit delivery
71	Purchase Order Receipt Adjustment	
74	Transfer to Regular	
78	Standard Pack Build Break	

79	Lot Grade Change	Change the lot grade of a lot of material
80	Average cost update	
81	Movement Request Put Away	
86	Cost Group Transfer	
87	Container Pack	
88	Container Unpack	
89	Container Split	
97	Lot Conversion Decrease	
98	Residual Quantity Issue	
99	Residual Quantity Receipt	
1004	Lot Conversion Increase	
10008	COGS Recognition	
20001	Shipment Request Staging Transfer	
20002	Shipment Request Ship Confirm	
20003	Receipt Advice Purchase Order Receipt	
20004	Receipt Advice RMA Receipt	
20005	Receipt Advice Transfer Receipt	
20006	Receipt Advice Return	
20007	Receipt Advice Correction	

TRANSACTION_ACTION_ID

The Transaction Action defines the action that took place. The definition of the ACTION_ID comes the FND_LOOKUP_VALUES table where LOOKUP_TYPE = 'INV_TRANSACTION_ACTION'.

LOOKUP_TYPE	MEANING
1	Issue from stores
2	Subinventory transfer
3	Direct organization transfer
4	Cycle count adjustment
5	Planning transfer
6	Ownership transfer
7	Logical issue
8	Physical inventory adjustment
9	Logical intercompany sales
10	Logical intercompany receipt
11	Logical delivery adjustment
12	In-transit receipt
13	Logical intercompany receipt return
14	Logical intercompany sales return
15	Logical in-transit receipt
17	Logical expense requisition receipt
21	In-transit shipment
22	Logical in-transit shipment
24	Cost update
25	Retroactive price update
26	Logical receipt
27	Receipt into stores

28	Staging transfer
29	Delivery adjustments
30	WIP scrap transaction
31	Assembly completion
32	Assembly return
33	Negative component issue
34	Negative component return
35	Container transaction
36	Cogs recognition
40	Lot split
41	Lot merge
42	Lot translate
43	Lot update quantity
50	Container pack
51	Container unpack
52	Container split

55	Cost group transfer
56	Residual quantity issue
57	Residual quantity receipt
58	Lot grade change
59	Standard pack build break

TRANSACTION_SOURCE_TYPE_ID

The Transaction Source defines the origination of the transaction. The descriptions of these are stored in the INV_TRANSACTION_SOURCE_TYPES_TL table.

TRANSACTION_SOURCE_TYPE_ID	TRANSACTION_SOURCE_TYPE_NAME
1	Purchase Order
2	Sales Order
3	Account
4	Movement Request
6	Account Alias
9	Cycle Count
10	Physical Inventory
12	RMA
13	Inventory
17	External Requisition
28	Shipment Request
29	Receipt Advice

Example:

```
SELECT * from FUSION.INV_MATERIAL_TXNS where inventory_item_id='300000001946820' and organization_id='300000001098940' order by creation_date;
```

	INVENTORY_ITEM_ID	REVISION	ORGANIZATION_ID	S...	TRANSACTION_TYPE_ID	TRANSACTION_ACTION_ID	TRANSACTION_SOURCE_TYPE_ID	TRANSACTION_QUANTITY
A	300000001946820 (null)		300000001098940	Stores...	42 27		13	10000
2	300000001946820 (null)		300000001098940	Stores...	18 27		1	6
B	300000001946820 (null)		300000001098940	Stores...	3 3		13	-100
4	300000001946820 (null)		300000001098940	Stores...	18 27		1	450
5	300000001946820 (null)		300000001098940	FGI ...	18 27		1	350
C	300000001946820 (null)		300000001098940	FGI ...	18 27		1	200
7	300000001946820 (null)		300000001098940	Stores...	42 27		13	55
8	300000001946820 (null)		300000001098940	FGI ...	32 1		13	-33

A: TRANSACTION_TYPE_ID = 42 [Miscellaneous Receipt], TRANSACTION_ACTION_ID = 27 [Receipt into Stores] and TRANSACTION_SOURCE_TYPE_ID = 13 [Inventory]

B: TRANSACTION_TYPE_ID = 3 [Direct Organization Transfer], TRANSACTION_ACTION_ID = 3 [Account] and TRANSACTION_SOURCE_TYPE_ID = 13 [Inventory]

C: TRANSACTION_TYPE_ID = 18 [Purchase Order Receipt], TRANSACTION_ACTION_ID = 27 [Receipt into Stores] and TRANSACTION_SOURCE_TYPE_ID = 1 [Purchase Order]

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