



Enable Internal Sales Orders

UNVXIS.05

Application: Infor M3
Process: Internal Sales Orders

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Overview

Concept

Process

This configuration process explains how the system must be set up to enable internal sales orders. One major consideration is the Goods-in-transit (GIT) management. As explained in the detailed steps, this is controlled by a parameter in '**Settings – Cost Accounting**' (CAS900), which is set Off.

The project team should decide whether to activate this, as it will have an impact on internal sales orders accounting and “external”, or “regular” customer orders and purchase orders.

Although the Goods-in-transit functionality has not been activated, the process descriptions assume that it has been.

Input

Output

The settings and basic data are in place for using internal sales orders.

The project team has chosen whether to activate the Goods-in-transit (GIT) functionality. Depending on this, GIT will be managed or not during the internal sales orders process.

Tasks

Manage General Settings

1. Activate Internal Sales Orders

'Feature List. Open' (CMS975)

- Activate toggles: NCR 11589 and NCR 11604

2. Configure Stock Messages

'Order Init Stock Trans Qualif' (MHS860)

- Generate all with F14.
- Qualifier 29 will be used.

'Stock Msg Partner. Open' (MMS865)

- Stock message partner:

| Whs | Msg | Partner | Msg type |
|-----|-----|---------|----------|
| | I | WS | WMS |

'Settings - Deliveries' (CRS721)

- Partner: WS
- Message type: WMS

'Number Series. Open' (CRS165)

- Series type 17, number series 1 for order-initiated stock messages

3. Manage Deviations

'Settings – Application Messages' (CRS424)

Activate messages for deviations:

- 210 The confirmed quantity defers from the ordered quantity: Yes (Activated)
- 211 Confirmed delivery date different: Yes (Activated)
- 212 Confirmed price or discount different: Yes (Activated)

'Settings – Purchasing' (CRS780)

Tolerances: optional settings at Division level: set at each Division.

- 25 Permitted quantity difference – API order confirmation (%)
- 26 Permitted delivery time difference – API order confirmation (days)
- 27 Permitted price difference – API order confirmation (local currency)

1. Define PO Type

'Purchase Order Type. Open' (PPS095)

- Order type: I01 (purchase order category 20)
 - 040 Goods receiving method: (direct put-away)
 - 360 PO status – auto confirmation: 0, manual confirmation
 - 710 Automatic printout of PO documents: No (Deactivated)

Note: For IPC data, see Preconfigured Data – Internal Sales Orders.

2. Define Suppliers

'Supplier Group. Open' (CRS150)

- Supplier group: INT

'Supplier. Open' (CRS620)

- Supplier: YINT001
 - Supplier type: 7-Internal

'Supplier. Define Purchase & Financial' (CRS624)

- Supplier: YINT001
 - Order type: I01 (E)
 - Delivery terms: FOB (E)
 - Shipment advice: 1-Rpe. via EDI (F)
 - Facility (Internal Sales): A01 (G)
 - Supplying whs (Internal Sales): 001 (G)

'Supplier. Connect our Customer Number' (CRS680) (option 17 in CRS620)

- Supplier: YINT001
 - Warehouse: 910
 - Customer number: YINT910

'Purchase Agreement. Open' (PPS100)

- Agreement: INT0001

3. Define PO Charges

'Settings – Purchasing' (CRS780)

- 65 Reserved seq number for PO charges – internal sales: 900 – 950

'Costing Element. Open' (PPS280)

- Costing element: YINT01 (Int Sales)
 - Operator: 20 (Fixed amount)
 - Charge type: 2-External charge

'Purchase Costing Model. Open' (PPS285)

- Costing model: (Net Price)
 - No charges, placeholder for charges from CO

Note: For IPC data, see Preconfigured Data – Internal Sales Orders.

4. Stage Package

'Settings – Purchasing' (CRS780)

- 22 Stage package before receipt: Yes (selected)

5. Perform Other PO Related Settings

'Subsystem Job. Open' (MNS051)

- Activate autojobs:
 - MHS855 – WHI order-related messages: Active
 - MHS855T9 – WHI-Create PO ASN: Active

Manage Internal CO Settings

1. Define CO Charges

'CO Charge. Open' (OIS030)

- Charge: YI001 (Internal Sales)
 - Internal charge: No (Deactivated=External charge)
 - Calculation method: Fixed amount
 - Costing element: YINT01

2. Define Delivery Terms and Goods Responsibility

'Delivery Term. Open' (CRS065)

- Goods resp: Set the goods responsibility code according to Incoterms. The goods responsibility code indicates when the liability for a delivery is transferred from the supplier to the buyer. Please note that the date on which liability is transferred is defined as the delivery date.
 - 1 = The buyer assumes liability when the goods leave the supplier's inventory (for example EXW)
 - 2 = The buyer assumes liability when the goods are received at the buyer's transport address (for example FOB, CIF)
 - 3 = The buyer assumes liability when the goods are received at the buyer's final address (for example DDP)

3. Define CO Type

'Dispatch Policy. Open' (MWS010)

- Dispatch policy: I01
 - 240 Packing reporting method: 2-Manual advanced (may also be another advanced packing method)
 - 470 Ship-via control: 1-Consignee
 - 540 Delivery consolidation – field 1: OAICTR (consolidate only internal sales orders)

'CO Type. Open' (OIS010)

- CO type: I01 (Internal Sales Order)
 - CO category: 1-Normal order
 - Internal sales: Yes (checked) (E)
 - Preliminary CO: 0-Not allowed (E)
 - Cash desk active: No (not selected) (E)
 - Quantity sign: 2-Only positive (G)
 - Check duplicates: 0-No check (G)
 - Opening panel: B-Normal (G)
 - Check plan split: 0-Anytime (Not used) (G)
 - Check sequence: 1 (may also be 3 for kits) (G)
 - Shortage panel: 1-ATP (must be different from 2) (H)
 - Several warehouses: Yes (selected) (H)
 - Dispatch policy: I01 (J)
 - Packaging actions: No allowed (not selected) (J)
 - Advanced invoicing: 0-Not allowed (K)

'CO Type. Connect Documents' (OIS011)

- CO type: I01
 - 231 Order confirmation
 - 241 Delivery time change

'CO Type. Update Field Selection' (OIS014)

- CO type: I01
 - Project number: *INTPO (E)
 - Project element: *INTPO (E)
 - Delivery method: *INTPO (F)
 - Delivery terms: *INTPO (F)
 - Terms text: *INTPO (F)
 - Packaging terms: *INTPO (F)
 - Priority (Line): *INTPO (K)

4. Define Customers

‘Customer Group. Open’ (CRS145)

- Customer group: INT

‘Customer. Open’ (CRS610)

- Customer: YINT910
 - Customer type: 0
 - CO type: I01
 - Customer group: INT

5. Generate Standard Fields

‘Field Group. Display Permitted Fields’ (CRS109)

- Generate standard fields for field group MWKVH (need field OAICTR)

6. Enable Batch Orders

‘Settings – Batch Orders’ (OIS278)

| Source | Customer | CO type | Source sales price |
|-------------------|----------|---------|--------------------|
| I-Intercompany CO | | I01 | 1-Yes, if not zero |

Manage Item Settings

An item (style) in warehouse 910 is set to be purchased from warehouse 001 through the internal sales order process.

‘Item. Connect Warehouse’ (MMS002)

- Item/Style (Warehouse): (910)
 - Acquisition code: 2-Purchased
 - Order type: I01
 - Supplier: YINT001
 - Supplying warehouse: 001 (if it is blank, then the warehouse will be retrieved from the supplier’s supplying warehouse – CRS624/G)

Note: For IPC data, see Preconfigured Data – Internal Sales Orders.

‘Item. Connect Facility’ (MMS003)

- Item/Style (Facility): (B01)
 - Costing model

Note: For IPC data, see Preconfigured Data – Internal Sales Orders.

‘Purchase Agreement. Open Lines’ (PPS101)

- Group ID: 50 – Item (or 60 – Style)
 - Item number/Style

Note: For IPC data, see Preconfigured Data – Internal Sales Orders.

1. Enable Goods-in-transit

This flag is set to OFF in the delivered IPC configuration. The project team must decide if it should be activated or not.

It must be consistent across all divisions: parameter 29 in CAS900 should be On or Off in all divisions within a company.

The parameters in the remaining part of this documentation are linked to GIT activation.

'Settings – Cost Accounting' (CAS900)

- 029 Create goods in transit transactions for CO / PO
 - Check this setting if you are using Goods-in-Transit. Currently, this is left unchecked. Once checked in divisions AAA and BBB the accounting setup detailed below will be generated.

2. Define Accounts

'Accounting Identity. Open' (CRS630)

- Division: AAA
 - 13600 Goods in Transit – Sold not Delivered
- Division BBB
 - 1430 Goods in Transit (flagged as Inventory account)
 - 2470 Ordered not Received (flagged as reconciliation account but not inventory)

3. Define Accounting Rules

'Number Series. Open' (CRS165)

- Verify that number series S2 / D exist for table FAPIBH. This is the supplier invoice batch number. If that is not the case, verify that FAM function AP50 exists in the buying division. If that is not the case, the system will not automatically create number series S2 / D when the selling division has invoiced the internal sales order.

'Accounting Event. Open' (CRS375)

- Event: PP09 Ordered not received (Generated through F14)

'Accounting Type. Open' (CRS385)

- Accounting type: 224 Ordered not invoiced (Generated through F14)
- Accounting type: 909 Goods in transit (Generated through F14)

'Accounting Rule. Open' (CRS395)

New transactions for goods in transit

- Division AAA
 - OI10 909: Goods in Transit (13600)
- Division BBB
 - PP09 909: Goods in Transit (1430)
 - PP09 224: Ordered not Received (2470)

- PP10 224: Ordered not Received (2470)
- PP10 909: Goods in Transit (1430)

Setup

This is a setup process itself.

Additional Information

Test Variants

- The example internal customer and supplier are set up with delivery terms 'FOB', which has a goods responsibility code = 2.

If other delivery terms with goods responsibility code 1 or 3 are set, then this has an impact on the goods in transit (GIT) management. This is further explained in the process description that explains how goods in transit are managed.
- Parameter 029 - Create goods in transit transactions for CO/PO – is set off and should be set on to be able to manage Goods in Transit. However, the internal sales orders process is described as if the parameter was set on.

Tips and Hints

Kits

It is possible to use kits in internal sales orders. The only limitation is for kits that are not supported in purchase orders, that is: variable kits with fixed price at header level.

The product structure is taken from the buying facility; if there is a global facility and no product structure in the buying facility, then the product structure is taken from the global facility.

Please note that if the reservation and pricing are at the kit components level, no kit header is created in the customer order, only the kit lines are created.

Attributes

The pre-set attributes in this IPC solution have been created to support the Country of origin; they are set as balance identity attributes and as such are not carried over from the dispatching warehouse to the receiving warehouse in an internal sales order process.

Attributes can be carried over from the dispatching warehouse to the receiving warehouse in an internal sales order process if they fulfill the following conditions:

- They are set at lot master (controlling object 2)
- They are flagged to be included in CO and in PO.

QMS (Quality Management System)

QMS can be supported in internal sales orders in the same way as in distribution orders. In addition, the QMS specifications to be copied must have auto-attach = 1 in QMS200/E for the results to be transferred upon QI request creation.

The main settings to consider are:

- **'Specifications. Open'** (QMS200): 'Auto-attach'
- **'Specification Test'** (QMS201): 'Copy DO results'
- **'Quality Plan Item Warehouse. Open'** (QMS015): 'DO test at rec' and 'DO copy tst res'.

If needed, exceptions per supplier may be set through custom specifications and specification entities with entity type 2-Supplier.

Historic Actual Cost (HAC) and Goods-in-transit (GIT)

The Historic Actual Cost (HAC) calculation is not currently supported in combination with the Goods in Transit (GIT) functionality.

Line Charges

Header charges have been setup to enable the addition of header charges at customer order that will be copied to the linked purchase order when the customer order is confirmed.

It is also possible to add line charges, however this has not been configured in this IPC solution.

Supply Chain Orders

If supply chain orders are used, the specific settings for supply chain orders must also be set.

Note: If applicable, see Preconfigured Data – Supply Chain Orders.

Transportation lead time

In 'Supplier. Connect Transp Lead Times' (PPS010), both fields 'Transportation lead time 1' (TLE1) and 'Transportation lead time 2' (TLE2) are enabled if the supplier is type 7 (internal). This allows for the suppliers internal lead time to be taken into account when determining the total lead time for internal orders.

A detailed explanation of how this can affect planning dates can be found in the M3 Business Engine User Documentation , document 'Material Planning for Internal Sales', section 'Lead time management'.