

Inventory Inquiry / Advice

Flat File Layout

Version 2

1. Introduction

The purpose of the Inventory Inquiry / Advice Flat File is to provide ability to reconcile inventory between trading partners. This transaction provides a current snapshot of the inventory balances group by Item for all Products recorded in the HighJump E3PL system that belong to the Trading Partner.

The Inventory Inquiry / Advice Flat File is created automatically by background program according to Linux/Unix scheduler or manually by INEDI program.

The output directory and file name prefix are configured using DOCU program. The document code is 846.

1. Inventory Inquire / Advice Modes and Configurations

**Default Mode**

The default mode of the “Inventory Inquiry / Advice” is to report the quantity of Inventory Entities summarized by Item level where the entities with zero on-hand quantity are not included in the Inventory Inquiry / Advice Flat File. This is not required any configuration other than Edi profile code program (DEDP) and EDI mapping for EDI transaction set 846.

**Dynamic Mode**

This dynamic mode is configured based on ‘Depositor Alternate Sort’ program (DEAS) by using the Alternate Customer Reporting Type ‘846’. This ‘Alternate Reporting Type’ is to be setup under CUST program, with Alternate Reporting Code’ that indicates the inventory levels to be retrieve and summarize.

These are some Samples of the ‘Alternate Reporting Code’. The users can use any combination of the Inventory Entities for the 846 to retrieve these entities in a dynamic mode

EDI\_846\_LEV1\_3 Retrieving and summarize by Item code and inventory level 3.

EDI\_846\_LEV1\_2 Retrieving and summarize by Item code and inventory level 2.

EDI\_846\_LEV2 Retrieving and summarize by inventory level 2 only.

EDI\_846\_LEV1\_2\_3 Retrieving and summarize by Item code, level 2 and level 3.

EDI\_846\_LEV1\_4 Retrieving and summarize by Item code and level 4.

The dynamic mode of the “Inventory Inquiry / Advice” allows the user to configure the way of retrieving the inventory levels in the detail lines of the EDI 846 flat file.

The quantities ‘On hand’, ‘Available’ , ‘On Orders’, ‘On Receipts’ , the ‘Hold’ and ‘Damage hold’ quintiles in the “Inventory Inquiry / Advice” using the dynamic mode is not required any other configuration or setup.

To report the Hold quantities by hold code in the “Inventory Inquiry / Advice” the dynamic mode required extra setup. Another Alternate Customer Reporting Type code ‘846H’ with Alternate Reporting Code’ ‘EDI\_846\_HOLD’ to be add under CUST program.

To report On-Hand ZERO Quantity in the “Inventory Inquiry / Advice” is configure from Another Alternate Customer Reporting Type code ‘846Z’ with ‘Alternate Reporting Code’ as ‘846\_ZERO\_ON\_HAND’ to be add under CUST program.

The 3PL Transaction Set Code is ‘846’.

**Outbound File Name Configuration**

The outbound directory and file prefix are defined in DOCU program.

In order to include Company and Customer Code into file name the DOCU suffix field should be populated with C-C value.

1. File Layout

|  |  |  |
| --- | --- | --- |
| **Record ID** | **Description** | **Required/Optional** |
| PARTNER | Customer Code to be received | R |
| SET | Transaction Set Code | R |
| ROUTE | Customer Code to be received | R |
| COMPANY | Company Code | R |
| BEGIN | Identifier | R |
| 1020 | Beginning Segment for Inventory Inquiry | R |
| 1050 | Date / Time Reference | O |
| 1080 | Name | O |
| 2010 | Item Identification | R (at least one detail record is required)  **2010 Loop** |
| 2040 | Measurements | O |
| 2140 | Weight | O |
| 2320 | Quantity | O |
| END | Identifier | R |

1. File Segments

**Header Record**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Business Name** | **Field**  **Length** | **Starting**  **Position** | **Required/ Optional** | Description |
| PARTNER | X(8) | 1 | R | Identify the Record ‘PARTNER’ |
| PARTNER | X(10) | 9 | R | The following logic is applied   1. Check Customer EDI Partner ID field 2. If the above not populated use Customer Reference field (first 10 characters) 3. If the above not populated use Customer Code   Identify the PARTNER ID |
| SET | X(3) | 1 | R | Identify the Record ‘SET’ |
| SET | X(3) | 9 | R | Transaction Set ID ‘846’ |
| ROUTE | X(8) | 1 | R | Identify the Record ‘ROUTE’ |
| ROUTE | X(10) | 9 | R | Customer Code in A1 3PL |
| COMPANY | X(8) | 1 | R | Identify the Record ‘COMPANY’ |
| COMPANY | X(2) | 9 | R | Company Code in A1 3PL |
| BEGIN | X(8) | 1 | R | Identify Record |

Flat File Records

‘1020’ Beginning Segment for Inventory Inquiry

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Business Name** | **Field**  **Length** | **Starting**  Position | **Required/ Optional** | **Description** |
| Record Type | X(4) | 1 | R | Record Type  1020 |
| Transaction Set Purpose Code | X(2) | 5 | R | ‘08’-Status Report |
| Report Type Code | X(2) | 7 | R | ‘LC’-Location Inventory Report |
| Reference Number | X(30) | 9 | R | Reference Number |
| Date | X(8) | 39 | R | Current Date |

‘1050’ Data/Time Reference

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Business Name** | **Field**  **Length** | **Starting**  Position | **Required/ Optional** | **Description** |
| Record Type | X(4) | 1 | R | Record Type  1020 |
| Date Qualifier | X(3) | 5 | R | ‘007’-Effective Date |
| Date | X(8) | 8 | R | The current Date of this transaction ‘CCYYMMDD’  ‘CC’ – first 2 digits of the calendar year;  ‘YY’ – last 2 digits of the calendar year;  ‘MM’ – month (01 to 12);  ‘DD’ – day (01 to 31). |

‘1080’ Name

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Business Name** | **Field**  **Length** | **Starting Position** | **Required/ Optional** | **Description** |
| Record Type | X(4) | 1 | R | Record Type  1040 |
| Organization ID Code | X(3) | 5 | R | Organization ID Code:  ‘DE’ – Depositor |
| Name | X(60) | 8 | R | Customer Name |
| ID Qualifier | X(2) | 68 | O | ‘91’ |
| ID | X(60) | 70 | O | Customer External Reference |

‘1080’ Name

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Business Name** | **Field**  **Length** | **Starting Position** | **Required/ Optional** | **Description** |
| Record Type | X(4) | 1 | R | Record Type  1040 |
| Organization ID Code | X(3) | 5 | R | Organization ID Code:  ‘WH’ - Company |
| Name | X(60) | 8 | R | Company Name |
| ID Qualifier | X(2) | 68 | O | ‘91’ |
| ID | X(60) | 70 | O | Company Reference Number |

**‘2010’ Line Identification**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Business Name** | **Field**  **Length** | **Starting**  **Position** | **Required/ Optional** | **Description** |
| Record Type | X(4) | 1 | R | Record Type  2010 |
| Assigned Number | X(20) | 5 | O | Filler |
| Qualifier | X(2) | 25 | R | ‘VN’– Vendor Number |
| Product ID | X(48) | 27 | R | Item Code |
| Qualifier | X(2) | 75 | O | ‘LT’– Lot Number |
| Product ID | X(48) | 77 | O | Inventory level 2 |
| Qualifier | X(2) | 125 | O | ‘PD’-Pallet ID |
| Product ID | X(48) | 127 | O | Inventory level 3 |
| Qualifier | X(2) | 175 | O | ‘PC’- Production Date Code |
| Product ID | X(48) | 177 | O | Inventory level 4 |
| Qualifier | X(2) | 225 | O | Not used |
| Product ID | X(48) | 227 | O | Inventory level 2 description |
| Qualifier | X(2) | 275 | O | Not used |
| Product ID | X(48) | 277 | O | Inventory level 3 description |
| Qualifier | X(2) | 325 | O | Not used |
| Product ID | X(48) | 327 | O | Inventory level 4 description |
| Qualifier | X(2) | 375 | O | Not used |
| Product ID | X(48) | 377 | O | Hold code |
| Qualifier | X(2) | 425 | O | Not used |
| Product ID | X(48) | 427 | O | Inventory Expiry Date |
| Qualifier | X(2) | 475 | O | Not used |
| Product ID | X(48) | 477 | O | Inventory Received Date |
| Qualifier | X(2) | 525 | O | Not Used |
| Product ID | X(48) | 577 | O | Item Description 1 |
| Qualifier | X(2) | 625 | O | Not Used |
| Product ID | X(48) | 677 | O | Item Description 2  (fist 48 characters) |

‘2040’ Measurements

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Business Name** | **Field**  **Length** | **Starting**  **Position** | **Required/ Optional** | **Description** |
| Record Type | X(4) | 1 | R | Record Type  2040 |
| Measurement Reference ID Code | X(2) | 5 | O | Not used |
| Measurement Qualifier | X(3) | 7 | R | ‘N’- Net Weight  ‘G’- Gross Weight |
| Weight | X(22) | 10 | R | On Hand Net Weight ;  On Hand Goss Weight |
| Unit of Measure | X(2) | 32 | R | ‘LB’- Pound |

‘2320’ Quantity

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Business Name** | **Field**  **Length** | **Starting**  **Position** | **Required/ Optional** | **Description** |
| Record Type | X(4) | 1 | R | Record Type  2320 |
| Quantity Qualifier | X(2) | 5 | R | Qualifier:  ‘QA’ - Quantity on Hand  ‘QH’ - Quantity on Hold  74’ – Damaged Quantity  ‘27’ – On Order Quantity (Allocated Quantity)  ‘33’ – Available Quantity, Calculated as (On Hand Quantity – On Order Quantity – Hold Non Ship Quantity) |
| Quantity | X(17) | 7 | R | Quantity |
| UOM | X(2) | 24 | R | SKU Code |
| Hold code | X(30) | 26 | O | Hold code |

Trailer Record

‘END’ Transaction Set Trailer

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Business Name** | **Field**  **Length** | **Starting**  **Position** | **Required/ Optional** | **Description** |
| END | X(3) | 1 | R | END |

1. EDI Mapping and Business Logic

|  |  |  |  |
| --- | --- | --- | --- |
| D4 EDI Data | Description | DEDP Route Case Code | Business Logic |
| Transaction Header | | | |
| Record ID 1020 | | | |
| 1020.BEA.01 | Transaction Set Purpose Code | E22.52.1 | Purpose Code ‘08’  The code ‘00’ means Original |
| 1020.BEA.02 | Report Type Code | E22.52.2 | Report Type Code ‘LC’  The code ‘LC’ means Location Inventory Report |
| 1020.BEA.03 | Reference Identification | E22.52.3 | Reference Identification  This is a sequential number generated for every report. |
| 1020.BEA.04 | Date | E22.52.43 | Date when Reference Identification Number was generated  The current Date of this transaction ‘CCYYMMDD’  ‘CC’ – first 2 digits of the calendar year;  ‘YY’ – last 2 digits of the calendar year;  ‘MM’ – month (01 to 12);  ‘DD’ – day (01 to 31). |
| Record ID 1050 | | | |
| 1050.DTM.01 | Date / Time Qualifier | E22.52.10 | Qualifier ‘007’ |
| 1050.DTM.02 | Date | E22.52.43 | Date when Reference Identification Number was generated  The current Date of this transaction ‘CCYYMMDD’  ‘CC’ – first 2 digits of the calendar year;  ‘YY’ – last 2 digits of the calendar year;  ‘MM’ – month (01 to 12);  ‘DD’ – day (01 to 31). |
| Record ID 1080 | | | |
| 1080.N1.00 | Name Information | E22.52.83 | Company Information including:  Qualifier ‘WH’  Company Name  Qualifier ‘91’  Company External Reference Number – DUNS Number |
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|
| Record ID 1080 | | | |
| 1080.N1.00 | Name Information | E22.52.83 | Customer Information including:  Qualifier ‘DE’  Customer Name  Qualifier ‘91’  Customer External Reference Number – DUNS Number |
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| Detail Information | | | |
| EDI Segment LIN / Record ID 2010  Flat File Record ID 2010 will be created for every distinct combination of Inventory Level 1 according to Inventory with on hand quantity greater than zero | | | |
| 2010.LIN.02 | Product ID Qualifier | E22.53.2 | Product ID Qualifier ‘VN’ – Product Number |
| 2010.LIN.03 | Product ID | E22.53.3 | Inventory Level 1 (Item Code) |
| 2010.LIN.04 | Product ID Qualifier | E22.53.5 | Product ID Qualifier ‘LT’ – Product Number |
| 2010.LIN.05 | Product ID | E22.53.207 | Inventory Level 2 |
| 2010.LIN.06 | Product ID Qualifier | E22.53.208 | Product ID Qualifier ‘PD’ – Product Number |
| 2010.LIN.07 | Product ID | E22.53.130 | Inventory Level 3 |
| 2010.LIN.08 | Product ID Qualifier | E22.53.69 | Product ID Qualifier ‘PC’ – Product Number |
| 2010.LIN.09 | Product ID | E22.53.178 | Inventory Level 4 |
| 2010.LIN.11 | Product ID | E22.53.142 | Level 2 description |
| 2010.LIN.13 | Product ID | E22.53.202 | Level 3 description |
| 2010.LIN.15 | Product ID | E22.53.214 | Level 4 description |
| 2010.LIN.17 | Product ID | E22.53.109 | Hold Code |
| 2010.LIN.19 | Product ID | E22.53.156 | Inventory Expiry Date |
| 2010.LIN.21 | Product ID | E22.53.215 | Inventory received Date |
| 2010.LIN.23 | Item Description 1 | E22.53.224 | Item Description 1 |
| 2010.LIN.25 | Item Description 2 | E22.53.257 | Item Description 2 |
| Record ID 2320 | | | |
| 2010.LIN.32QTY | Measurements  Quantity Information | E22.53.219 | 02- Qualifier ‘N’  03 – Net Weight  04- ‘LB’  02- Qualifier ‘G’  03 – Gross Weight  04- ‘LB’  If Quantity on hand greater than zero Segment will contain  01 – Qualifier ‘QA’  02 – Quantity on Hand in lowest SKU  03 - Lowest SKU Code for the Product Quantity Breakdown. It will be converted from a value in the System into EDI standard using the conversion cross-reference file “SKU\_CONV\_FILE” |
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| EDI Segment QTY / Record ID 2320 | | | |
| 2010.LIN.32QTY | Quantity Information | E22.53.219 | If Quantity on hold greater than zero Segment will contain  01 – Qualifier ‘QH’  02 – Quantity on Hold in lowest SKU  03 - Lowest SKU Code for the Product Quantity Breakdown. It will be converted from a value in the System into EDI standard using the conversion cross-reference file “SKU\_CONV\_FILE” |
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| EDI Segment QTY / Record ID 2320 | | | |
| 2010.LIN.32QTY | Quantity Information | E22.53.219 | If Quantity on hold greater than zero Segment will contain  01 – Qualifier ‘74’  02 – Quantity on Damage Hold in lowest SKU  03 - Lowest SKU Code for the Product Quantity Breakdown. It will be converted from a value in the system into EDI standard using the conversion cross-reference file “SKU\_CONV\_FILE” |
| EDI Segment QTY / Record ID 2320 | | | |
| 2010.LIN.32QTY | Quantity Information | E22.53.219 | If Quantity on hold greater than zero Segment will contain  01 – Qualifier ‘27’  02 – Quantity on order in lowest SKU  03 - Lowest SKU Code for the Product Quantity Breakdown. It will be converted from a value in the System into EDI standard using the conversion cross-reference file “SKU\_CONV\_FILE” |
| EDI Segment QTY / Record ID 2320 | | | |
| 2010.LIN.32QTY | Quantity Information | E22.53.219 | Available Quantity  01 – Qualifier ‘33’  02 – Quantity on order in lowest SKU  03 - Lowest SKU Code for the Product Quantity Breakdown. It will be converted from a value in the System into EDI standard using the conversion cross-reference file “SKU\_CONV\_FILE” |