

Inbound Transaction

Warehouse Inventory Hold Adjustment

Version 2

1. Introduction

The ADJH gateway file is used perform inventory hold adjustments requested by trading partner – put product n hold / take product off hold.

This transaction set include the detail information supporting inventory hold adjustments.

The Warehouse Logic EDI Transaction Set Code is ‘ADJH’. The flat file prefix is ‘ADJH’.

1. Flat File Layout (ADJH)

**2020Loop**

|  |  |  |
| --- | --- | --- |
| **Record ID** | **Description** | **Required/Optional** |
| PARTNER | Customer Code to be received | R |
| ROUTE | Customer Code to be received | R |
| COMPANY | Company Code | R |
| SET | Transaction Set Code | R |
| BEGIN | Identifier | R |
| I947\_1020\_004010 | Warehouse Adjustment Identification | R |
| I947\_2020\_004010 | Warehouse Adjustment Item Detail | R (at least one detail record is required) |
| I947\_2030\_004010 | Description | O |
| I947\_2041\_004010 | Remarks | O |
| END | Identifier | R |

1. The ADJH 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 | Customer Code in 3PL  Identify the PARTNER ID |
| ROUTE | X(8) | 1 | R | Identify the Record ‘ROUTE’ |
| ROUTE | X(10) | 9 | R | Customer Code in 3PL |
| COMPANY | X(8) | 1 | R | Identify the Record ‘COMPANY’ |
| COMPANY | X(2) | 9 | R | Company Code in 3PL |
| SET | X(3) | 1 | R | Identify the Record ‘SET’ |
| SET | X(3) | 9 | R | Transaction Set ID ‘ADJ’ |
| BEGIN | X(8) | 1 | R | Identify Record |

Flat File Records

‘1020’ Warehouse Adjustment Identification

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Business Name** | **Field**  **Length** | **Starting**  Position | **Required/ Optional** | **Description** |
| Record ID | X(20) | 1 | R | Record ID  ‘I947\_1020\_004010’ |
| Record Type | X(4) | 21 | R | Record Type  1020 |
| Audit Date | X(8) | 25 | R | Adjustment Date |
| Audit Number | X(22) | 33 | R | Audit Number |
| Audit Reference | X(22) | 35 | O | Not used |

‘2020’ Warehouse Adjustment Details

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Business Name** | **Field**  **Length** | **Starting**  **Position** | **Required/ Optional** | **Description** |
| Record ID | X(20) | 1 | R | Record ID  ‘I947\_2020\_004010’ |
| Record Type | X(4) | 21 | R | Record Type  2020 |
| Adjustment Reason Code | X(2) | 25 | R | Adjustment Reason  Values: ‘05’, ‘55’ |
| Adjustment Quantity | R(12) | 27 | R | Quantity  Negative Quantity –Off Hold (preceded by a minus sign)  Positive Quantity- On Hold |
| Unit of Measure Code | X(2) | 39 | R | UOM |
| UPC Case Code | X(12) | 41 | O | UPC Case Code |
| Product Qualifier | X(2) | 53 | O | Product Qualifier  Values: ‘VN’ |
| Product Code | X(48) | 55 | O | Item Code |
| Product Qualifier | X(2) | 103 | O | Product Qualifier  Values: ‘ZZ’ |
| Hold code | X(48) | 105 | R | Hold Code /To Hold code |
| Inventory Level 2 | X(12) | 153 | O | Inventory Level 2 |
| Weight | R(12) | 165 | O | Not Used |
| Weight Qualifier | X(2) | 177 | O | Not Used |
| Weight Unit Code | X(1) | 179 | O | Not Used |
| Weight | R(12) | 180 | O | Not Used |
| Weight Qualifier | X(2) | 192 | O | Not Used |
| Weight Unit Code | X(1) | 194 | O | Not Used |
| Inventory Type Code | X(2) | 195 | O | Not Used |
| Product Qualifier | X(2) | 197 | O | Not Used |
| Inventory Level 3 | X(48) | 199 | O | Inventory Level 3 |
| Product Qualifier | X(2) | 247 | O | Not Used |
| Inventory Level 4 | X(48) | 249 | O | Inventory Level 4 |
| From Hold code | X(5) | 297 | O | From hold code  Valid only with Positive Quantity to remove a product from current hold |

‘2030’ Item Description

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Business Name** | **Field**  **Length** | **Starting**  **Position** | **Required/ Optional** | **Description** |
| Record ID | X(20) | 1 | R | Record ID  ‘I943\_2030\_004010’ |
| Record Type | X(4) | 21 | R | Record Type  2030 |
| Description | X(45) | 25 | O | Item Description |

‘2041’ Remarks

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Business Name** | **Field**  **Length** | **Starting**  **Position** | **Required/ Optional** | **Description** |
| Record ID | X(20) | 1 | R | Record ID  ‘I943\_2041\_004010’ |
| Record Type | X(4) | 21 | R | Record Type  2041 |
| Description | X(45) | 25 | O | Remarks |

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 for ADJH layout

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Data ID | D4 EDI Data | Description | DEDP Route Case Code | Business Logic |
| Header | | | | |
| Segment / Segment ID 1020 | | | | |
| W15.02 | 1020.W15.02 | Warehouse Adjustment Number | 35.123.381  Or  35.123.382 | Read Adjustment Number There will be no validation for the Adjustment EDI quantity against Location Quantity  Read Adjustment Number  There will a validation to match the total quantity for the inventory in all location against EDI adjustment quantity.  The Adjustment line will be rejected if the two quantities are not the same. |
| Detail Information | | | | |
| EDI Segment W19 / Segment ID 2020 | | | | |
| W19.01 | 2020.W19.01 | Quantity or Status Adjustment Reason Code | 35.123.352 | Adjustment Code/Hold Code  Indicates the reason for change and allocate the memory for the detail. |
| W19.02 | 2020.W19.02 | Quantity | 35.123.332 | Quantity  Negative Quantity preceded by a minus sign |
| W19.04 | 2020.W19.04 | UPC Code | 35.123.152 | Item UPC code if E3PL item code not in use |
| W19.05 | 2020.W19.05 | Product IQ Qualifier | E35.123.23 | ‘VN’ |
| W19.06 | 2020.W19.06 | Product | E35.123.24 | Inventory Level 1 |
| W19.07 | 2020.W19.07 | Product IQ Qualifier | E35.123.59 | ‘ZZ’ |
| W19.08 | 2020.W19.08 | Product | 35.123.304 | E3PL Hold Code |
| W19.09 | 2020.W19.09 | Inventory Level 2 | 35.123.356 | Inventory Level 2 |
| W19.18 | 2020.W19.18 | Inventory Level 3 | 35.123.231 | Inventory Level 3 |
| W19.20 | 2020.W19.20 | Inventory Level 4 | 35.123.232 | Inventory Level 4 |
| W19.21 | 2020.W19.21 | Hold code | 35.123.414 | From hold code |

1. EDI/API Take off Hold adjustments Interface validation rules

1. The Interface will check the combination of Company Code, Customer Code, Adjustment Number (provided on W15.02 data element), E3PL Hold Code (provided on W19.08 data element), and any other inventory levels if provided via the ADJH flat file.

This validation is for each adjustment’s item detail line in the ADJH flat file. The results of this validation are:

a) There is no matching record, the process will continue for this line to pass another validation.

b) There is a matching record, this line will be rejecting. The interface will report an Error for this adjustment line. The process will continue for the next line in the file.

The purpose of this validation is to prevent to process same adjustment.

1. The Interface will check the adjustment quantity if the validation option set to yes in the mapping,

(See section 4). The total Location quantity for the combination of Company Code, Customer Code, E3PL Hold Code, and other inventory levels (at least one inventory level should be provided ). This adjustment line will be rejected if the quantity not matched. The interface will report an Error for this adjustment line. The process will continue for the next line in the file.

The validation of the adjustment quantity option could be set to No, in this case the flat file quantity will be ignored and the total location quantity will be in use to perform the adjustment.

3. The interface will validate the existent of the combination of Company Code, Customer Code,

E3PL Hold Code, and other inventory levels (at least one inventory level should be provided) in the location records.

This adjustment line will reject if the location record is not to be found. The interface will report an Error for this adjustment line. The process will continue for the next line in the file.

1. The interface will save (commit) the adjustment line for each successful adjustment line and move to the next line. The failed adjustment line will not delete the pervious successful adjustment line which is already has been committed. The interface will report the status (Successful or Error) for each adjustment line.
2. The adjustment number, hold code, adjustment quantity and at least one inventory level are mandatory for this interface.
3. The Interface will support ability to remove inventory from ‘From Hold’ Hold and assign inventory to ‘To Hold’ Hold. The hold adjustment will be performed in the following steps
   1. Lock Inventory
   2. Take off inventory from the ‘From Hold’
   3. Put inventory on the ‘To Hold
   4. Unlock Inventory
4. The interface will check if the product in ‘From Hold’. The interface will report a warming message if the product not in ‘From Hold’ and continue to perform the put on hold adjustment ‘To Hold’.