

Warehouse Inventory Adjustment Advice

Flat File Layout

Version 2

1. Introduction

Warehouse Inventory Adjustment Advice is used to inform a depositor of a quantity and status change to inventory records. This transaction provides detail information concerning internal warehouse adjustments.

A1 3PL provides the following information for Inventory Adjustment/Hold Report (947 Flat File):

1. Any inventory adjustment records (movement records) with adjustment code flagged as ‘Y’ for the ‘Send Via EDI” entry under the setup of ‘ADJU’
2. Any Hold inventory adjustment records produced by HOAD, MAHO, and POHO.
3. Unique EDI Audit Number associated with inventory movement records being processed

A1 3PL document (947 Warehouse Inventory Adjustment Advice) has to be set in the program DOCU. A1 3PL EDI Transaction Set Code is ‘947’.

Accessing the program EDIA will generate the Warehouse Inventory Adjustment Advice.

In background mode, a shell script would be invoked on a scheduled basis in order to generate the Inventory Adjustment Advice Flat File.

**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. **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 | Warehouse Adjustment Identification | R |
| 1040 | Entity Name | O |
| 2020 | Warehouse Adjustment Item Details | O  **2020Loop** |
| 2030 | Description | O  **2041**  **Repeat** |
| 2041 | Remarks | 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 ‘947’ |
| 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’ Warehouse Adjustment Identification

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Business Name** | **Field**  **Length** | **Starting**  Position | **Required/ Optional** | **Description** |
| Record Type | X(4) | 1 | R | Record Type  1020 |
| Audit Date | X(8) | 5 | R | Date |
| Audit Number | X(22) | 13 | R | Audit Number |
| Audit Reference | X(22) | 35 | O | Audit Number |

‘1040’ Entity 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 |

‘2020’ Warehouse Adjustment Details

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Business Name** | **Field**  **Length** | **Starting**  **Position** | **Required/ Optional** | **Description** |
| Record Type | X(4) | 1 | R | Record Type  2020 |
| Adjustment Reason Code | X(2) | 5 | R | Adjustment Reason  First 2 characters of Adjustment Type (ADJU)  ‘05’ - Put product on hold  ‘55’ - Take product off hold |
| Adjustment Quantity | X(12) | 7 | R | Quantity expressed in lowest SKU Code |
| Unit of Measure Code | X(2) | 19 | R | Unit of Measure  A1 3PL SKU Code |
| UPC Case Code | X(12) | 21 | O | UPC Case Code |
| Product Qualifier | X(2) | 33 | O | Product Qualifier  ‘VN’ |
| Product Code | X(48) | 35 | O | Product Code  3PL Item Code |
| Product Qualifier | X(2) | 83 | O | Product Qualifier  ‘PD’ |
| Inventory Level | X(48) | 85 | O | Inventory Level 3 |
| Inventory Level | X(12) | 133 | O | Inventory Level 2 |
| Weight | X(12) | 145 | O | Net Weight |
| Weight Qualifier | X(2) | 157 | O | Weight Qualifier  ‘N’ |
| Weight Unit Code | (X1) | 159 | O | Unit Code  ‘L’ – Pounds  ‘K’ – Kilograms |
| Weight | X(12) | 160 | O | Weight  Gross Weight |
| Weight Qualifier | X(2) | 172 | O | Weigh Qualifier  ‘G’ – Gross Weight |
| Weight Unit Code | X(1) | 174 | O | Unit Code  ‘L’ – Pounds  ‘K’ – Kilograms |
| Inventory Transaction Type | X(2) | 175 | O | Not Used |
| Product Qualifier | X(2) | 177 | O | Product Qualifier |
| Product Code | X(48) | 179 | O | Inventory Level 4 |
| Hold Code | X(4) | 227 | O | 3PL Hold Code |
| Adjustment Type | X(4) | 231 | O | 3PL Adjustment Type |
| Adjustment Reason | X(30) | 235 | O | 3PL Adjustment Reason |
| Warehouse Code | X(4) | 265 | O | 3PL Warehouse Code |

‘2030’ Item Description

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Business Name** | **Field**  **Length** | **Starting**  **Position** | **Required/ Optional** | **Description** |
| Record Type | X(4) | 1 | R | Record Type  2030 |
| Item Description 1 | X(45) | 5 | O | Item Description 1 |
| Inventory 2 Description | X(40) | 50 | O | Inventory Level 2 Description |
| Inventory 3 Description | X(40) | 90 | O | Inventory Level 3 Description |
| Inventory 4 Description | X(40) | 130 | O | Inventory Level 4 Description |
| Item Description 2 | X(60) | 170 | O | Item Description 2 |

‘2041’ Remarks

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Business Name** | **Field**  **Length** | **Starting**  **Position** | **Required/ Optional** | **Description** |
| Record Type | X(4) | 1 | R | Record Type  2041 |
| Remark | X(45) | 5 | O | Remark Text |

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

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Data ID Code |  | | | Description | | DEDP Route Case Code | Business Logic |
| Header Information | | | | | | | |
| Record ID 1020 | | | | | | | |
| 1020.W15.01 | | Date | | | E22.40.37 | System Date | |
| 1020.W15.02 | | Warehouse Adjustment Number | | | E22.40.2 | EDI Audit Number | |
| 1020.W15.03 | | Depositor Adjustment Number | | | E22.40.2 | EDI Audit Number | |
| 1020.W15.04 | | Purpose Code | | | E22.40.45 | Value ‘00’ | |
| Record ID 1040 | | | | | | | |
| 1040.N1.00 | | Warehouse Information | | | E22.40.70 | WarehouseLogic Company Information including:  Qualifier ‘WH’  Company Name  Qualifier ‘91’  External Reference Number | |
|
|
|
| 1040.N1.00 | | Depositor Information | | | E22.40.70 | WarehouseLogic Company Information including:  Qualifier ‘DE’  Customer Name  Qualifier ‘91’  External Reference Number | |
|
|
|
| Detail Information | | | | | | | |
| Record ID 2020  Each record will be created for Movement Records selected | | | | | | | |
| 2020.W19.01 | | | Quantity or Status Adjustment Reason Code | | E22.47.77 | Adjustment Code/Hold Code  Indicates the reason for change. | |
| 2020.W19.02 | | | Quantity | | E22.47.2 | Quantity  Negative Quantity preceded by a minus sign | |
| 2020.W19.03 | | | Unit of Measurement Code | | E22.47.3 | Lowest SKU Code for the Product Quantity Breakdown  It will be converted from a value in A1 3PL into EDI standard using the conversion cross-reference file “SKU\_CONV\_FILE” | |
| 2020.W19.05 | | | Product IQ Qualifier | | E22.47.4 | ‘VN’ | |
| 2020.W19.06 | | | Product | | E22.47.5 | Inventory Level 1 | |
| 2020.W19.07 | | | Product IQ Qualifier | | E22.47.59 | ‘PD’ | |
| 2020.W19.08 | | | Product | | E22.47.49 | Inventory Level 3 | |
| 2020.W19.09 | | | Lot Number | | E22.47.45 | Inventory Level 2 | |
| 2020.W19.10 | | | Weight | | E22.47.51 | Net Weight | |
| 2020.W19.11 | | | Weight Qualifier | | E22.47.52 | ‘N’ – Actual Net Weight | |
| 2020.W19.12 | | | Weight Unit Code | | E22.47.53 | ‘L’ – Pounds  ‘K’ – Kilograms. | |
| 2020.W19.19 | | | Hold Code | | E22.47.118 | Hold Code | |
| 2020.W19.20 | | | Adjustment Type | | E22.47.142 | Adjustment Type | |
| 2020.W19.21 | | | Adjustment Reason | | E22.47.108 | Adjustment Reason | |
| 2020.W19.22 | | | Warehouse Code | |  | Warehouse Code | |
| 2020.W19.22G69 | | | Descriptions | | E22.47.167 | Item & Inventory Levels Description | |
| 2020.W19.23.REM | | | Remarks | | E22.47.168 | Adjustment Remarks | |