

Warehouse Stock Transfer Shipment Advice

Flat File Layout

Version 2

1. Introduction

Warehouse Stock Transfer Shipment Advice flat file will be processed by Core Receipt Creation Interface.

Receipt Creation Interface will be responsible for posting transactions into WarehouseLogic and creating receipts.

The A1 3PL Receipt Creation Interface creates ‘U’ (not all required inventory level presented) and ‘P’ (all required inventory levels presented) type of receipt lines. The uniqueness of Customer Reference Number will be validated. Duplicate Receipts will be rejected.

1. File Layout

|  |  |  |
| --- | --- | --- |
| **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 |
| I943\_1020\_004010 | Warehouse Shipment Identification | R |
| I943\_1040\_004010 | Entity Name | R  **1040Loop** |
| I943\_1060\_004010 | Entity Address | O |
| I943\_1070\_004010 | Geographic Location | O |
| I943\_1090\_004010 | Reference Identification | O |
| I943\_1110\_004010 | Date/Time | O |
| I943\_1120\_004010 | Note /Special Instruction | O |
| I943\_1125\_004010 | Carrier Block | O |
| I943\_1130\_004010 | Carrier Detail | O |
| I943\_2020\_004010 | Item Detail Total | R (at least one detail record is required)  **2020Loop** |
| I943\_2030\_004010 | Item Description | O |
| I943\_2040\_004010 | Reference Identification | O |
| I943\_2041\_004010 | Inventory Attribute Records | O |
| 1943\_2050\_004010 | Item Line Miscellaneous | O |
| I943\_3010\_004010 | Total Shipment Information | 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 | Customer Code in A1 3PL  Identify the PARTNER ID |
| 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 |
| SET | X(3) | 1 | R | Identify the Record ‘SET’ |
| SET | X(3) | 9 | R | Transaction Set ID ‘943’ |
| BEGIN | X(8) | 1 | R | Identify Record |

Detail Record

**‘1020’ Warehouse Shipment Identification**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Business Name** | **Field**  **Length** | **Starting Position** | **Required/ Optional** | **Description** |
| Record ID | X(20) | 1 | R | Record ID  ‘I943\_1020\_004010’ |
| Record Type | X(4) | 21 | R | Record Type  1020 |
| Reporting Code | X(1) | 25 | R | Reporting Code  ‘F’ |
| Depositor Order Number | X(22) | 26 | R | Customer Reference Number |
| Date | X(8) | 48 | R | Receipt Date  ‘CCYYMMDD’ |
| Pro Bill Number | X(22) | 56 | O | Pro Bill Number |
| Filler | X(8) | 78 | O | Filler |
| Shipment ID number | X(12) | 86 | O | EDI Data |
| PO Reference Number | X(22) | 98 | O | Reference Number 1 |
| Reference Number | X(22) | 120 | O | Reference Number 2 |
| Reference Number | X(8) | 142 | O | EDI Data |
| Handling Code | X(3) | 150 | O | Not used |
| Shipping Code | X(2) | 153 | O | Not used |
| Type Code | X(2) | 155 | O | Not used |
| Action code | X(2) | 157 | O | Action  ‘R’ – Replacement  ‘D’ – Deletion  Default (blank) - Add |
| Load Type Code | X(4) | 159 | O | 3PL Load Type |
| Warehouse Code | X(4) | 163 | O | 3PL Warehouse Code |

‘1040’ Name

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Business Name** | **Field**  **Length** | **Starting Position** | **Required/ Optional** | **Description** |
| Record ID | X(20) | 1 | R | Record ID  ‘I943\_1040\_004010’ |
| Record Type | X(4) | 21 | R | Record Type  1040 |
| Identifier Code | X(3) | 25 | R | Organization ID Code:  ‘SF’ – Ship From |
| Name | X(60) | 28 | R | Shipper Name |
| ID Type | X(2) | 88 | O | ‘91’ |
| Entity Code | X(80) | 90 | O | Shipper External Number |

‘1060’ Address

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Business Name** | **Field**  **Length** | **Starting**  **Position** | **Required/ Optional** | **Description** |
| Record ID | X(20) | 1 | R | Record ID  ‘I943\_1060\_004010’ |
| Record Type | X(4) | 21 | R | Record Type  1060 |
| Address | X(55) | 25 | O | Address 1 |
| Address | X(55) | 80 | O | Address 2 |

‘1060’ Address

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Business Name** | **Field**  **Length** | **Starting**  **Position** | **Required/ Optional** | **Description** |
| Record ID | X(20) | 1 | R | Record ID  ‘I943\_1060\_004010’ |
| Record Type | X(4) | 21 | R | Record Type  1060 |
| Address | X(55) | 25 | O | Address 3 |
| Address | X(55) | 80 | O | Address 4 |

‘1070’ Geographic Location

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Business Name** | **Field**  **Length** | **Starting**  **Position** | **Required/ Optional** | **Description** |
| Record ID | X(20) | 1 | R | Record ID  ‘I943\_1070\_004010’ |
| Record Type | X(4) | 21 | R | Record Type  1070 |
| City | X(30) | 25 | O | City Name |
| State | X(2) | 55 | O | State Code |
| Postal/Zip | X(15) | 57 | O | Postal Code |
| Country | X(3) | 72 | O | Country Code |
| Location Qualifier | X(2) | 75 | O | Filler |
| Location | X(30) | 77 |  | Filler |
| State Extended | X(4) | 107 | O | State Code |

‘1090’ Reference Identification

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Business Name** | **Field**  **Length** | **Starting**  **Position** | **Required/ Optional** | **Description** |
| Record ID | X(20) | 1 | R | Record ID  ‘I943\_1090\_004010’ |
| Record Type | X(4) | 21 | R | Record Type  1090 |
| Qualifier | X(3) | 25 | O | Reference Qualifier  Any Qualifiers are supported |
| Reference ID | X(30) | 28 | O | Reference ID  EDI Data |
| Reference Description | X(45) | 58 | O | Reference Description  EDI Data |

‘1110’ Date and Time

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Business Name** | **Field**  **Length** | **Starting**  **Position** | **Required/ Optional** | **Description** |
| Record ID | X(20) | 1 | R | Record ID  ‘I943\_1110\_004010’ |
| Record Type | X(4) | 21 | R | Record Type  1110 |
| Qualifier | X(2) | 25 | R | Date Qualifier:  ‘02’ – Expected Receipt Date; |
| Date | X(8) | 27 | R | Date – ‘CCYYMMDD’ |
| Qualifier | X(2) | 35 | O | Qualifier  Not Used |
| Time | X(4) | 37 | O | Time  Format HH24MI |
| Filler | X(4) | 41 | O |  |
| Filler | (2) | 45 | O | Time Code  Not used |

‘1120’ Note /Special Instruction

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Business Name** | **Field**  **Length** | **Starting Position** | **Required/ Optional** | **Description** |
| Record ID | X(20) | 1 | O | Record ID  ‘I943\_1120\_004010’ |
| Record Type | X(4) | 21 | O | Record Type  1120 |
| Code | X(3) | 25 | O | Note Reference Code  Any qualifiers are supported  Below are examples of qualifiers  ‘BOL’ – Bill of lading Note  ‘TRA’ – Transportation  ‘WHI’ – Warehouse Instruction |
| Remark | X(80) | 28 | O | Free Form Description |

‘1125’ Carrier Block

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Business Name** | **Field**  **Length** | **Starting Position** | **Required/ Optional** | **Description** |
| Record ID | X(20) | 1 | O | Record ID  ‘I940\_1125\_004010’ |
| Record Type | X(4) | 21 | O | Record Type  1125 |
| Receipt Carrier Flag | X(1) | 25 | O | Receipt Header Carrier Flag  Values:  ‘N’,’E’,’C’,’B’ |
| Carry Unit Number | X(20) | 26 | O | Carry Unit Number |
| Power Unit Number | X(20) | 46 | O | Power Unit Number |
| Vessel | X(20) | 66 | O | Vessel |
| Voyage | X(20) | 86 | O | Voyage |

‘1130’ Carrier Information

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Business Name** | **Field**  **Length** | **Starting**  **Position** | **Required/ Optional** | **Description** |
| Record ID | X(20) | 1 | R | Record ID  ‘I943\_1130\_004010’ |
| Record Type | X(4) | 21 | R | Record Type  1130 |
| Transportation Method | X(2) | 25 | R | Transportation Method  ‘M’–Motor  ‘H’–Customer Pick Up  ‘U’–UPS Carrier |
| SCAC | X(4) | 27 | O | Standard Carrier Alpha Code |
| Route | X(35) | 31 | O | Routing - Carrier Name |

‘1150’ Warehouse Additional Carrier Information

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Business Name** | **Field**  **Length** | **Starting**  **Position** | **Required/ Optional** | **Description** |
| Record ID | X(20) | 1 | R | Record ID  ‘I943\_1150\_004010’ |
| Record Type | X(4) | 21 | R | Record Type  1150 |
| Unit Load Option Code | X(2) | 25 | O | Not used |
| Quantity of Pallets | X(5) | 27 | O | Not used |
| Pallet Exchange Code | X(1) | 32 | O | Not used |
| Seal Number | X(15) | 33 | O | Seal Number 1 |
| Seal Number | X(15) | 48 | O | Seal Number 2 |

‘2020’ Item Detail Total

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Business Name** | **Field**  **Length** | **Starting**  **Position** | **Required/ Optional** | **Description** |
| Record ID | X(20) | 1 | R | Record ID  ‘I943\_2020\_004010’ |
| Record Type | X(4) | 21 | R | Record Type  2020 |
| Quantity | R(12) | 25 | R | Number of Units Shipped |
| SKU | X(2) | 37 | R | Unit of Measure |
| UPC Code | X(12) | 39 | O | UPC Code |
| Qualifier | X(2) | 51 | R | ‘VN’ – Vendor Product Code |
| Item Code | X(48) | 53 | R | Product Code |
| Qualifier | X(2) | 101 | O | ‘LT’ Lot Code |
| Inventory level 2 | X(48) | 103 | R | Lot Number |
| Freight Class Code | X(5) | 151 | O | Not used |
| Rate Class Code | X(3) | 156 | O | Not used |
| Qualifier | X(1) | 159 | O | ‘Z’ – Mutually Defined |
| Hold code | X(30) | 160 | O | Hold Code |
| Expiry Date | X(8) | 190 | O | Expiry Date (format YYYYMMDD) |
| Condition Hold | X(2) | 198 | O | Not Used |
| Qualifier | X(2) | 200 | O | ‘PD’ Part Number Description |
| Inventory level 3 | X(48) | 202 | O | Production Date  (Inventory Level 3) |

‘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 |

‘2040’ Reference Identification

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Business Name** | **Field**  **Length** | **Starting**  **Position** | **Required/ Optional** | **Description** |
| Record ID | X(20) | 1 | R | Record ID  ‘I943\_2040\_004010’ |
| Record Type | X(4) | 21 | R | Record Type  2040 |
| Qualifier | X(3) | 25 | O | Reference Qualifier  ‘LI’ – Line Number |
| Reference ID | X(30) | 28 | O | Customer Line Number |
| Reference Description | X(45) | 58 | O | Inventory Level 4 |
| Date | X(8) | 103 | O | Not Used |
| Time | X(8) | 111 | O | Not Used |
| Time Code | X(2) | 119 | O | Not Used |
| Reference Qualifier | X(3) | 121 | O | Not Used |
| Reference 2 | X(30) | 124 | O | Catch Weight |
| Reference Qualifier | X(3) | 154 | O | Not Used |
| Reference 3 | X(50) | 157 | O | Serial Number |

‘2041’ Inventory Attribute

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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 |
| Attribute Name | X(20) | 25 | O | Attribute Name |
| Attribute Value | X(40) | 45 | O | Attribute Value |

‘2050’ Miscellaneous

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Business Name** | **Field**  **Length** | **Starting**  **Position** | **Required/ Optional** | **Description** |
| Record ID | X(20) | 1 | R | Record ID  ‘I943\_2050\_004010’ |
| Record Type | X(4) | 21 | R | Record Type  2050 |
| Pack | X(8) | 25 | O | Not Used |
| Size | X(10) | 33 | O | Not Used |
| UOM | X(2) | 43 | O | Not Used |
| Weight | X(12) | 45 | O | Weight |
| Weight Qualifier | X(2) | 57 | O | Weight Qualifier |
| Weight Unit Code | X(1) | 59 | O | Weight Unit Code |

‘3010’ Total Shipping Information

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Business Name** | **Field**  **Length** | **Starting**  **Position** | **Required/ Optional** | **Description** |
| Record ID | X(20) | 1 | R | Record ID ‘I943\_3010\_004010’ |
| Record Type | X(4) | 21 | R | Record Type 3010 |
| Total Quantity | R(10) | 25 | O | Total Quantity Ordered |

END 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 | Business Logic |
| Header Information | | | |
| Segment ID 1020 | | | |
| 1020.W06.01 | Reporting Code | E35.123.1 | The reporting code validates value of this element. The value ‘F’ will be accepted.  This indicates to core EDI Receipt Creation Interface to create a WarehouseLogic Receipt |
| 1020.W06.02 | Depositor Order Number | E34.125.2 | Receipt Number  This value will be used to validate uniqueness of the WarehouseLogic Receipt  The uniqueness will be validated for combination of Company Code, Customer Code, Reference Number and Active Receipt Status |
| 1020.W06.03 | Date | 35.123.144 | Receipt Date |
| 1020.W06.12 | Action Code |  | This element is not mapped |
| Segment ID 1040 | | | |
| 1040.N1.01 | Organization ID Code | E35.123.27 | Qualifier ‘SF’ – Ship From  The Information in N1 … N4 loop belongs to the Shipper |
| 1040.N1.02 | Name | E35.123.29 | Manual Shipper Name  The Shipper Code will be “/” |
| 1040.N1.03 | Identification ID Qualifier |  | This field is ignored |
| 1040.N1.04 | Identification ID | 35.123.145 | EDI Data |
| Segment ID 1110 | | | |
| 1110.G69.02 | Date | 35.123.427 | Receipt Expected Date |
| Segment ID 1120 | | | |
| 1120.NTE.02 | Free Form Message | E35.123.9 | Header Remarks |
| Segment ID 1125 | | | |
| 1125.CAR.01 | Receipt Carrier Flag | 35.123.483 | Receipt Carrier Flag |
| 1125.CAR.02 | Carry Unit Number | E35.123.53 | Carry Unit Number |
| 1125.CAR.03 | Power Unit Number | 35.123.182 | Power Unit Number |
| 1125.CAR.04 | Vessel | 35.123.481 | Vessel |
| 1125.CAR.05 | Voyage | 35.123.482 | Voyage |
| Segment ID 1130 | | | |
| 1130.W27.01 | Transportation Method | E35.123.10 | Transportation Method Code |
| 1130.W27.02 | Standard Carrier Alpha Code | E35.123.48 | The SCAC will be used to identify carrier code.  If there is no matching records the carrier code will be set to “/” and SCAC will be carrier name |
| Record 1150 | | | |
| E35.123.98 | Seal Number 1 | E35.123.98 | Seal Number 1 |
| 35.123.142 | Seal Number 2 | 35.123.142 | Seal Number 2 |
| Detail Information | | | |
| Segment ID 2020 | | | |
| 2020.W04.01 | Number of Units Shipped | E35.123.12 | Shipped Quantity  This filed will be used to calculate expected and record quantities. |
| 2020.W04.02 | SKU Code | E35.123.14 | SKU Code will be obtained based on value of the data element W01.02 and conversion cross-reference file “SKU\_CONV\_FILE” |
| 2020.W04.04 | Product ID Qualifier | E35.123.23 | Read Qualifier |
| 2020.W04.05 | Product ID | E35.123.24 | Item Code / Inventory Level 1 |
| 2020.W04.06 | Product ID Qualifier | E35.123.23 | Read Qualifier |
| 2020.W04.07 | Product ID | E35.123.77 | Inventory Level 2 |
| 2020.W04.11 | Hold Code | 35.123.304 | Hold Code |
| 2020.W04.12 | Expiry Date | 35.123.321 | Expiry Date |
| 2020.W04.14 | Product ID Qualifier | E35.123.23 | Read Qualifier |
| 2020.W04.15 | Product ID | 35.123.231 | Inventory Level 3 |
| Segment 2040 | | | |
| 2040.N9.01 | Reference ID Qualifier | E35.123.23 | Read Qualifier |
| 2040.N9.02 | Reference ID | 35.123.198 | EDI Data  If qualifier is not equal “LI” the data will be ignored. |
| 2040. N9.03 | Free-form Description | 35.123.232 | Inventory Level 4 |
| 2040. N9.0702 | Reference ID | 35.123.368 | Catch Weight  Store in Item Process Block  PROS\_TP\_CODE is WGTG |
| 2040.N9.0704 | Reference ID | 35.123.367 | Serial Number  Store in Item Process Block  The PROS\_TP\_CODE is SER |
| Segment ID 2041 | | | |
| 2041.AI.01 | Attribute Name | 35.123.489 | Attribute Name |
| 2041.AI.02 | Attribute Value | 35.123.490 | Attribute Value |
| Segment ID 2050 | | | |
| 2050.W20.04 | Net/Gross Weight | 35.123.135 | Weight |
| 2050.W20.05 | Net/Gross Qualifier | 35.123.136 | Gross / Net Identifier |
| 2050.W20.06 | Weight Unit Code | 35.123.278 | Unit Code |
| Header Information | | | |
| Segment ID 3010 | | | |
| 3010.W03.01 | Number of Units Shipped | E35.123.19 | Total Quantity |