



QAD FTZ
Link File Specifications

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Change Summary

The following table summarizes significant differences between this document and previous versions.

| Date/Version | Description | Reference |
|------------------------------|---|-------------|
| July 2025/QAD FTZ 2025.2 | Added additional link file specifications | Pages 55-60 |
| May 2024/QAD FTZ | Updated XML examples and formatted to new QAD branding | All pages |
| April 2023/QAD FTZ 5.3 Rev3 | Changes to the ASN conveyance record to support the ocean house bill of lading requirements | page 28 |
| June 2022/QAD FTZ 5.3 Rev2 | Added 'Positive values only' note to field descriptions throughout. | pages 12-59 |
| August 2021/QAD FTZ 5.3 Rev1 | Updated Antidumping and Countervailing information in the Admissions table. | page 36 |
| May 2021/QAD FTZ 5.3 | Initial version | -- |

General Description of QAD FTZ Format for Links

The initial record in all link files is a file header record. This allows QAD FTZ to confirm which link file it is reading. The header record is followed by the data records themselves. Each field in a link record is preceded by a field delimiter character. The user selects which character to use as the primary text delimiter character. The only limitation is that the character selected must be used consistently throughout all of the links being read by QAD FTZ. The delimiter character is followed by the data field itself.

For multiple level or tier links, the required sub-records must immediately follow their related primary record. For example, purchased items must immediately follow the purchase order header record that they are purchased on. Likewise, shipped items must follow the shipment header record that they are shipped on and the FTZ components must immediately follow the shipped item record that they are contained in. Each field in a 2nd tier sub-record is preceded by the primary field delimiter character and one secondary field delimiter character. The company selects which additional character to use as the sub-record text delimiter character. The only limitations are that the character selected must be used consistently throughout all of the links being read by QAD FTZ and it must be different from the primary record text delimiter character. This secondary delimiter character is followed by the data fields describing the items within the 2nd tier sub-record. For shipments, which may be a 3 tier link, each field in a 3rd tier sub-record is preceded by the primary field delimiter character and two (2) occurrences of the secondary field delimiter character.

Each record and sub-record must be followed by a carriage return line feed which signals the end of the current record and the beginning of the next record.

Digit fields must contain any floating point number greater than zero. Decreases in inventory should be reflected on the Shipment Extract, while increases in inventory should be included in the Admission Extract.

The user determines which fields are to be linked and what order they will appear in the link record. Under Administration, Link Configuration, the user selects the table that will be linked. The user then moves the determined fields available from the "Not Included" box to the "Included" box. The order of the fields in the records can be adjusted up or down as desired. This flexibility can be used to develop one link for the initial load of data and then revise it for subsequent ongoing production.

Data type requirements for all linkable fields regardless of level or tier are indicated next to the field names on the specifications included for each link. For text fields, the data length indicated is a maximum length. If the company's fields are smaller, do not pad the field with blanks. There is no terminating delimiter for the individual fields. Therefore, there is no field delimiter placed at the end of any linked record at any level.

If some of the linkable information is not available, the missing link field is indicated by the appropriate field delimiters followed by the appropriate type of delimiters for the next data field. Blanks are not required to indicate the absence of data. The option also exists to remove the fields from the link that can not be populated from the company systems.

The import or link file is placed in a location where the QAD FTZ user can access it for processing into QAD FTZ.

Automated Import of Links

In addition to the manual processing of link files, QAD FTZ can automatically process the link files. There are no additional format requirements for the automated import of link files. The only additional setup is the creation of a Processed and Errors folder. The automated link processing is triggered once a file is placed into the Incoming folder.

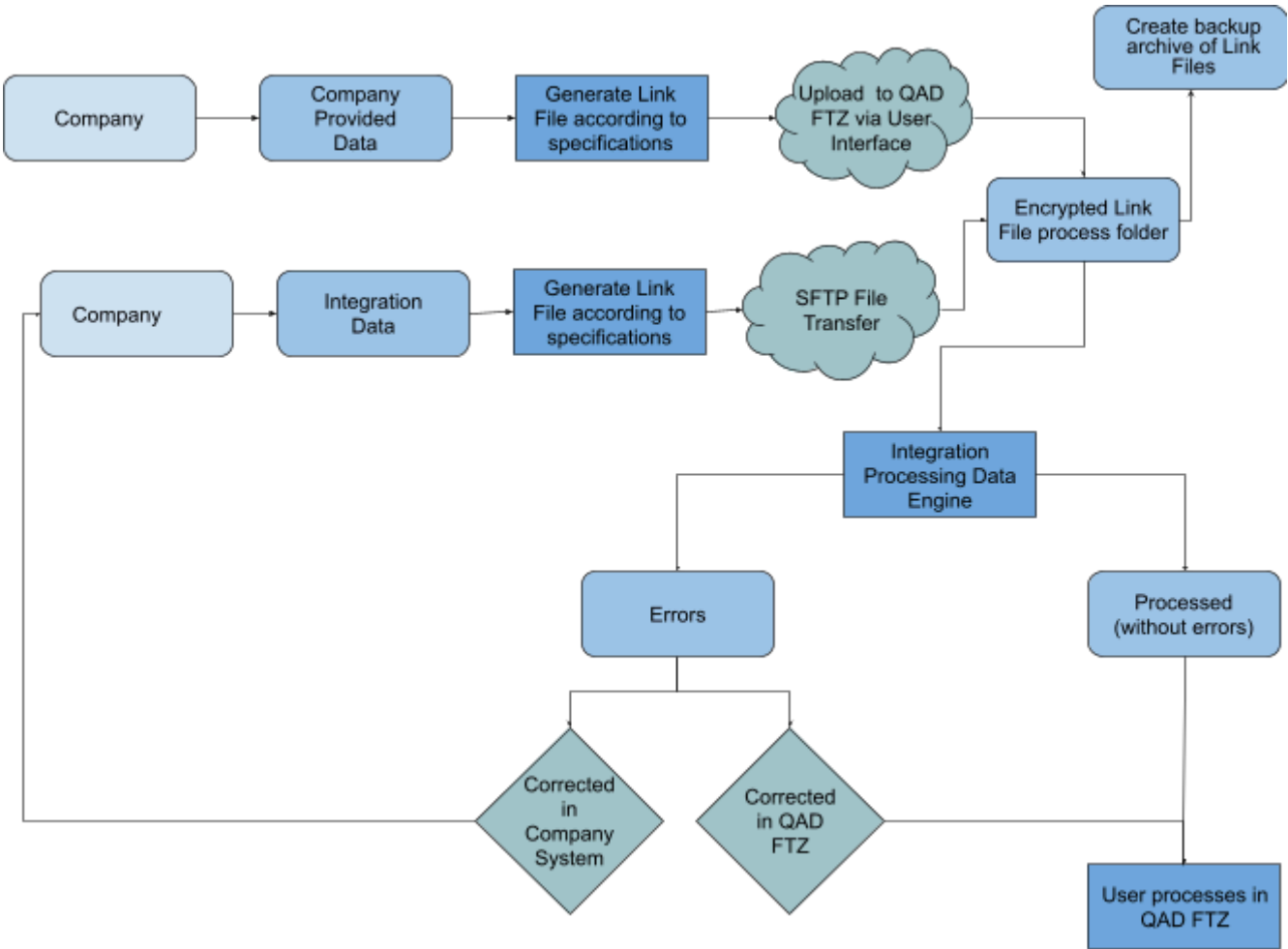
The following folders are required for the automated processing of link files in QAD FTZ:

Incoming - This is the folder where the link files are placed once ready for processing.

Processed - This is the folder where processed link files are moved to once successfully imported.

Errors - This is the folder where files with errors are placed. The error messages are added to this file.

Link File Process Flow



How QAD FTZ Processes Records from Links

QAD FTZ reads the available information in the data import file to determine if a new record is added or if an existing record is changed. If there are no changes, the record is unaffected. This process is repeated at each level when the data import file is multi-tiered. Deletes are not created through the link process.

For instance, QAD FTZ reads a shipment link record. It identifies the shipment number and shipment type and determines whether it currently exists in the QAD FTZ Shipment table. If it does not exist, QAD FTZ adds a record by combining the information in the link record with information from the item master previously established in QAD FTZ. All shipped items and FTZ components immediately following that shipment header record (until a new Shipment header record is read) are added to that shipment as items shipped and FTZ Components within that shipment.

If the shipment number and shipment type combination does exist in the QAD FTZ Shipment table, it compares the data in the existing QAD FTZ shipment record and updates the record accordingly.

The fields marked “Required for Data Import” must be included in the data import file. Any fields marked “Required for QAD FTZ Processing” that are not included in the data import file will make this an incomplete record. This record would be located in the “Incomplete” section of the entry screen and unavailable for regular QAD FTZ processing until complete.

High Level Integration File Descriptions

The frequency for running each file and their dependency on one another is outlined briefly in the table below.

Integration File Descriptions

| Integration File | File Creation Timing | Description And Level Of Need |
|--|--|--|
| ERP or the Company’s main system is the preferred source for the Integration Files shown below | | |
| Item Master Link | Generally daily | Required - for efficient integration and operations |
| Admissions Link | Generally daily | Required - for efficient integration and operations |
| Shipments Link | Generally daily (dependant on shipment volume) | Required - for efficient integration and operations |
| Physical Inventory Link | Created on demand | Required - for efficient integration and operations |
| ERP or the Company’s main or manufacturing system is the preferred source for the Integration Files shown below | | |
| The source for this Integration File may be the ERP, Company’s main system, or logistics service providers such as freight forwarders. (The source is generally based on availability. In many cases the freight forwarder(s) provide this data by developing integration directly to QAD FTZ with the QAD Team). | | |
| Arriving Cargo Information (ASN) | Generally daily if all data is coming from the same source | Recommended , but not required - If this manifest information is available in electronic format, the FTZ operation’s efficiency will be enhanced. |
| ERP or the Company’s Main System is the Preferred Source for the Integration Files Shown Below | | |
| Shipment 7512 Manifest Link | Generally when an Export or In-Bond document is created. | Rarely Used – to aid with the population of required fields for Individual CBF 7512/QP/WP in-bond documents. |

Item Master Link

Purpose

Basic information is maintained within QAD FTZ for the following types of items:

“FTZ” items - QAD FTZ will maintain inventory on a FIFO basis for these items so that the company can realize CBP FTZ duty savings. These will be referred to as “C” or component items. For distributing zones, components are the items distributed through the zone. For manufacturing zones, this is often a relatively small subset of all the component items used by the company in their manufacturing process. The criteria for these items would be that they are foreign sourced, dutiable at a higher rate than company’s manufactured products and are imported in sufficient volume to substantiate FTZ tracking

“Manufactured” items that can be shipped from the zone that contain FTZ items as a component. No inventory is maintained for these items in QAD FTZ– the information is used simply for the preparation of CBP documents to obtain permission to remove these items from the zone. These will be referred to as “M” or manufactured items.

The capture of this basic information within a QAD FTZ table provides for consistency throughout the FTZ Inventory System. It also minimizes the data entry required by the user by establishing default or likely values for fields critical to CBP admissions and shipment tracking such as Harmonized Classification and zone status.

Import of Item Information

Much of the basic item information related to all items or parts used by the company is currently maintained within the company’s operating inventory system. This information will be imported for use in QAD FTZ for FTZ component and manufactured items. The component items to be tracked as FTZ items and their “where used” manufactured items will be identified to the company system as described in the specifications for Identification of FTZ Items.

Regardless of whether the FTZ items are “C” or “M” items, as much of the information as possible found on the attached list should be extracted and written to a text delimited file which is then imported in QAD FTZ in lieu of manual data entry. The ordering of the fields is indicated in the link configuration selected by the user. Each field is preceded by a user selected delimited. There is no terminating delimiter on any field including the last field in the record.

Timing of Item Master Links

Once the item numbers to be extracted as either components or manufactured items are identified, a link (data import) of the information for the initial item numbers is run. It may be desirable to data import the “C” components grouped by vendor. This allows the FTZ Administrator to make the best use of the “Likely Company Values” contained in the company options table to populate fields in the QAD FTZ records that are specific to FTZ processing. Examples of these fields would be zone status, country of origin, and manufacturer.

Since most of the information extracted from the company’s item master information generally does not change (i.e. description, weight), subsequent links of FTZ component and manufactured items can be requested/scheduled by the QAD FTZ user “as needed” based on the frequency that the company adds or modifies distributed items, or new manufactured subassembly, assembly or finished product numbers. These links will also capture any changes to the item master for existing records. An item master link would also be requested when a new item number is designated as a FTZ item to be tracked.

Item Master Table

| Field Name | Field Description | Field Size | Required for Processing | Notes: |
|--------------------------|--|------------------------|----------------------------|--|
| Header Record | "Item Master Download File Header" | | Required for flat file | |
| Item Master Type | Defaults to Regular Item or label for Kit or Manufacturing processing: K=Kit Item M=Manufacture Item R=Regular Item | Text 1 | Required (Defaults to "R") | |
| Item Number | Unique Identifier within system; Inventory balances maintained by Item Number; Should be company's normal item, part or SKU number NOTE: Certain Industries may want the Item Number either derived or expanded to sub-fields, such as Textile, Apparel, Automotive, etc. These Unique Identifier Numbers within the system can be made up of many combinations, including Style, color, size, and Serialized Components such as VIN components. | Text 50 | Required | Flexible Fields can be used to allow the item number to be broken down to sub-component identifiers. |
| Item Description | User defined description of Item Number | Text 500 | Required | |
| Standard Unit Cost | The standard or baseline cost assigned to this item by the company. It must be greater than zero (0). | 26 Digits ¹ | Required | |
| Standard Net Unit Weight | The weight of the item itself. Must be reported in kilograms. | 26 Digits ² | Required | |
| Estimated Dutiable Value | This is the value for this item that is estimated for declaration on a CBP entry. In most cases, it will be the standard or baseline cost of the item. | 26 Digits ³ | | |
| Company Commodity Code | The company may have its own system for identifying and grouping like items. This field may be used to reflect that internal identification. | Text 50 | | |

¹ The digits of the decimal form of a number beginning with the leftmost nonzero digit and extending to the right beyond the decimal to include all digits.

² The digits of the decimal form of a number beginning with the leftmost nonzero digit and extending to the right beyond the decimal to include all digits.

³ The digits of the decimal form of a number beginning with the leftmost nonzero digit and extending to the right beyond the decimal to include all digits.

| Field Name | Field Description | Field Size | Required for Processing | Notes: |
|--------------------------------------|---|------------------------|--------------------------|---|
| Default Buyer Code | Buyer code of the person principally responsible for purchasing this item. | Text 40 | | |
| Company Unit of Measure | This is the unit of measure ('UoM') abbreviation used by the company to identify the quantity. | Text 3 | Required | |
| Primary Harmonized Classification | This is the CBP classification number for this particular item (format: 9999.99.9999 or 9999.99.99 if watches) | Text 12 | Required | |
| Primary HTS Unit 1 Conversion Factor | This number is used to convert the quantity of an item from the company's normal UoM to CBP's Primary Harmonized Classification Unit 1's First UoM. NOTE: Positive values only. | 26 Digits ⁴ | Required | |
| Primary HTS Unit 2 Conversion Factor | If CBP requires reporting using multiple units of measure, this is the conversion factor for the Primary Classification's second UoM. NOTE: Positive values only. | 26 Digits ⁵ | Conditional | |
| Primary HTS Unit 3 Conversion Factor | If CBP requires reporting using multiple units of measure, this is the conversion factor for the Primary Classification's third UoM. NOTE: Positive values only. | 26 Digits ⁶ | Conditional | |
| Most Common Country of Origin | Indicates the most common country of origin abbreviation for this item. | Text 2 | Required | |
| Most Common Province Code | If the Country of Origin is Mexico, then Province or State is required. | Text 50 | Conditional ⁷ | Canadian Country of Origin codes are province-specific. |
| Most Common Manufacturer | The most common manufacturer (MID) for this item. For manufactured items, it is the zone itself. | Text 15 | Required | MID Instructions |
| ECCN Number | The ECCN number for this item. If an individual license is not required, the default ECCN number is EAR99. | Text 5 | Required | |

⁴ The digits of the decimal form of a number beginning with the leftmost nonzero digit and extending to the right beyond the decimal to include all digits.

⁵ The digits of the decimal form of a number beginning with the leftmost nonzero digit and extending to the right beyond the decimal to include all digits.

⁶ The digits of the decimal form of a number beginning with the leftmost nonzero digit and extending to the right beyond the decimal to include all digits.

⁷ Only required if Canada (CA) or Mexico (MX) Country of Origin.

| Field Name | Field Description | Field Size | Required for Processing | Notes: |
|--|---|---|-------------------------|--------|
| Import Treatment | The normal CBP program used to process this item i.e. FTZ,NAFTA,CBI | Text 4 | Required | |
| No. of Jewels | If watch processing, the number of jewels per movement | 26 Digits ⁸ | | |
| Standard Cost Effective Date | Identifies the last time the company updated standard costs. | MM-DD-YYYY, MM-DD-YY, MM/DD/YYYY, or MM/DD/YY | Required | |
| First Sale | Indicates if the Standard Unit Cost is the "first sale" price. | True/False, T/F, Yes/No, Y/N or 1/0 | | |
| Zone Status | The normal foreign-trade zone status abbreviation requested for this item upon admission (i.e. NPF, PF, DOM, FDP, or ZR). | Text 3 | Required | |
| Apply GSP | Indicates if the Item should have GSP applied when applicable. | True/False, T/F, Yes/No, Y/N or 1/0 | | |
| PN Disclaimer Flag | Indicates if the item has a prior notice disclaimer. | True/False, T/F, Yes/No, Y/N or 1/0 | | |
| Micro-Denier Fabric Flag | Indicates if the item is classified as a micro-denier fabric. This is used to flag items so that the item's usage is tracked on the Foreign-Origin Fabric Usage Report required by the FTZ Board. This only applies to specific fabric HTS. | True/False, T/F, Yes/No, Y/N or 1/0 | | |
| Secondary Harmonized Classification Code | If CBP requires a secondary HTSUS in order to determine duty, this field would report the secondary HTSUS for this item. CBP must have Primary flagged as candidate for Special Chapters 98 & Chapter 99. | Text 12 | Conditional | |
| Secondary HTS Unit 1 Conversion Factor | This number is used to convert the quantity of an item from the company's normal UoM to CBP's Secondary Harmonized Classification's First UoM. NOTE: Positive values only. | 26 Digits ⁹ | | |

⁸ The digits of the decimal form of a number beginning with the leftmost nonzero digit and extending to the right beyond the decimal to include all digits.

⁹ The digits of the decimal form of a number beginning with the leftmost nonzero digit and extending to the right beyond the decimal to include all digits.

| Field Name | Field Description | Field Size | Required for Processing | Notes: |
|--|---|-------------------------|-------------------------|--------|
| Secondary HTS Unit 2 Conversion Factor | If CBP requires reporting using multiple units of measure, this is the conversion factor for the Secondary Harmonized Classification's second UoM. NOTE: Positive values only. | 26 Digits ¹⁰ | | |
| Secondary HTS Unit 3 Conversion Factor | If CBP requires reporting using multiple units of measure, this is the conversion factor for the Secondary Harmonized Classification's third UoM. NOTE: Positive values only. | 26 Digits ¹¹ | | |
| Export Overhead Percentage | If using the Export Overhead Percentage to calculate value, enter the percentage for the item in this field. | 26 Digits ¹² | | |
| Scrap Harmonized Classification | This field is used to attach the scrap HTSUS for the specific item. | Text 12 | | |
| Scrap HTS Unit 1 Conversion Factor | If utilizing the Scrap HTSUS, this field should be used to convert the quantity of the item from the company's normal UOM to CBP's Scrap HTSUS UOM. NOTE: Positive values only. | 26 Digits ¹³ | | |
| Scrap HTS Unit 2 Conversion Factor | If utilizing the Scrap HTSUS and if CBP requires reporting using multiple units of measure, this is the conversion factor for the Scrap Harmonized Classification's second UoM. NOTE: Positive values only. | 26 Digits ¹⁴ | | |

¹⁰ The digits of the decimal form of a number beginning with the leftmost nonzero digit and extending to the right beyond the decimal to include all digits.

¹¹ The digits of the decimal form of a number beginning with the leftmost nonzero digit and extending to the right beyond the decimal to include all digits.

¹² The digits of the decimal form of a number beginning with the leftmost nonzero digit and extending to the right beyond the decimal to include all digits.

¹³ The digits of the decimal form of a number beginning with the leftmost nonzero digit and extending to the right beyond the decimal to include all digits.

¹⁴ The digits of the decimal form of a number beginning with the leftmost nonzero digit and extending to the right beyond the decimal to include all digits.

| Field Name | Field Description | Field Size | Required for Processing | Notes: |
|------------------------------------|--|-------------------------------------|---------------------------|--------|
| Scrap HTS Unit 3 Conversion Factor | If utilizing the Scrap HTSUS and if CBP requires reporting using multiple units of measure, this is the conversion factor for the Scrap Harmonized Classification's third UoM. NOTE: Positive values only. | 26 Digits ¹⁵ | | |
| Deactivated | To signify if an item is 'Activated' or 'Deactivated'. Items can only be moved to the 'Deactivated' grid if they have no inventory balance. | True/False, T/F, Yes/No, Y/N or 1/0 | | |
| HazMat Code | A code representing the identification number assigned to the hazardous material. | Text 10 | Conditional ¹⁶ | |
| HazMat Class | A code representing the hazardous class or division designated for the material in the International Maritime Dangerous Goods (IMDG) code. | Text 4 | Conditional ¹⁷ | |
| HazMat Code Qualifier | A code which describes the hazardous material class. | Text 1 | Conditional ¹⁸ | |
| HazMat Shipping Name | The proper shipping name of the material designated as hazardous | Text 30 | Conditional ¹⁹ | |
| HazMat Contact | The name and/or phone number of the person or department to contact in case of an emergency, | Text 24 | Conditional ²⁰ | |
| Flashpoint Temperature | A code representing the lowest temperature (Centigrade/Celsius) at which the vapor of a hazardous combustible liquid will ignite in the air. | 3 Digits ²¹ | Conditional ²² | |
| FTP Negative Indicator | A code of N is used when a flashpoint temperature is negative; that is, below 0 (zero) degrees Centigrade/Celsius. | Text 1 | Conditional ²³ | |

¹⁵ The digits of the decimal form of a number beginning with the leftmost nonzero digit and extending to the right beyond the decimal to include all digits.

¹⁶ Only required if utilizing QPWP for in-bond shipment of hazardous material.

¹⁷ Only required if utilizing QPWP for in-bond shipment of hazardous material.

¹⁸ Only required if utilizing QPWP for in-bond shipment of hazardous material.

¹⁹ Only required if utilizing QPWP for in-bond shipment of hazardous material.

²⁰ Only required if utilizing QPWP for in-bond shipment of hazardous material.

²¹ The digits of the decimal form of a number beginning with the leftmost nonzero digit and extending to the right beyond the decimal to include all digits.

²² Only required if utilizing QPWP for in-bond shipment of hazardous material.

²³ Only required if utilizing QPWP for in-bond shipment of hazardous material.

| Field Name | Field Description | Field Size | Required for Processing | Notes: |
|--|---|-------------------------|---------------------------|---|
| FTP Unit of Measure Code | A code representing the basic unit of measurement (UOM) for the flashpoint temperature. This is always CE = Degrees Centigrade/Celsius. | | | |
| HazMat Description | Material name, special instructions and/or phone number if any | Text 29 | Conditional ²⁴ | |
| HazMat Classification | Free form description of hazardous material classification or division of label requirements. | Text 30 | Conditional ²⁵ | |
| Custom Field 1 | Available Field | Text 250 | | |
| Custom Field 2 | Available Field | Text 250 | | |
| Custom Field 3 | Available Field | Text 250 | | |
| Custom Field 4 | Available Field | Text 250 | | |
| Custom Field 5 | Available Field | Text 250 | | |
| Custom Field 6 | Available Field | Text 250 | | |
| Custom Field 7 | Available Field | Text 250 | | |
| Custom Field 8 | Available Field | Text 250 | | |
| Custom Field 9 | Available Field | Text 250 | | |
| Custom Field 10 | Available Field | Text 250 | | |
| WATCH/SET COMPONENTS | | | | |
| Primary Harmonized Classification Code | The watch/set component's CBP classification number (format: 9999.99.9999) | Text 12 | Conditional ²⁶ | |
| FTZ Components Quantity | The quantity of the watch/set component associated with the Primary Watch/Set Item. NOTE: Positive values only. | 26 Digits ²⁷ | Conditional ²⁸ | |
| FTZ Components Unit Value | The unit value of the watch/set component associated with the Primary Watch/Set Item | 26 Digits ²⁹ | Conditional ³⁰ | Either unit value or unit value percent can be sent, but not both |
| FTZ Components Unit Value Percent | The percentage of the unit value of the Primary Watch/Set Item | 26 Digits ³¹ | Option | Either unit value or unit value percent can be sent, but not both |
| FTZ Components Standard Unit Weight | The standard unit weight of the Item Master Watch/Set Component | 26 Digits ³² | | Either unit weight or unit weight percent can be sent, but not both |

²⁴ Only required if utilizing QPWP for in-bond shipment of hazardous material.

²⁵ Only required if utilizing QPWP for in-bond shipment of hazardous material.

²⁶ Only required if importing shipped watch/clock items.

²⁷ The digits of the decimal form of a number beginning with the leftmost nonzero digit and extending to the right beyond the decimal to include all digits.

²⁸ Only required if importing shipped watch/clock items.

²⁹ The digits of the decimal form of a number beginning with the leftmost nonzero digit and extending to the right beyond the decimal to include all digits.

³⁰ Only required if importing shipped watch/clock items.

³¹ The digits of the decimal form of a number beginning with the leftmost nonzero digit and extending to the right beyond the decimal to include all digits.

³² The digits of the decimal form of a number beginning with the leftmost nonzero digit and extending to the right beyond the decimal to include all digits.

| Field Name | Field Description | Field Size | Required for Processing | Notes: |
|---|---|-------------------------------------|-------------------------|---|
| FTZ Components Standard Unit Weight Percent | The percentage of the standard unit weight of the Primary Watch/Set Item | 26 Digits ³³ | Option | Either unit weight or unit weight percent can be sent, but not both |
| FTZ Component Apply GSP Flag | If the FTZ Set Component is applicable for GSP, check this flag. | True/False, T/F, Yes/No, Y/N or 1/0 | | |
| FTZ Component AD/CVD Duty Rate | The AD/CVD Duty Rate of the FTZ Component | 26 Digits ³⁴ | | |
| FTZ Component Country Code | The Country Code of the FTZ Component | Text 2 | | |
| FTZ Component Manufacturer Code | The Manufacturer Code of the FTZ Component | Text 15 | | |
| FTZ Component AD/CVD Case Number | The AD/CVD Case Number of the FTZ Component | Text 255 | | |
| FTZ Component Primary Conversion Factor | The Primary Conversion Factor of the FTZ Component. NOTE: Positive values only. | 26 Digits ³⁵ | | |
| FTZ Component Secondary Conversion Factor | The Secondary Conversion Factor of the FTZ Component. NOTE: Positive values only. | 26 Digits ³⁶ | | |

³³ The digits of the decimal form of a number beginning with the leftmost nonzero digit and extending to the right beyond the decimal to include all digits.

³⁴ The digits of the decimal form of a number beginning with the leftmost nonzero digit and extending to the right beyond the to include all digits.

³⁵ The digits of the decimal form of a number beginning with the leftmost nonzero digit and extending to the right beyond the decimal to include all digits.

³⁶The digits of the decimal form of a number beginning with the leftmost nonzero digit and extending to the right beyond the decimal to include all digits.

Item Master Flat File Sample Without Watches**Fields Selected:**

Item Number Item Description

Standard Unit Cost Standard Unit Weight Normal Unit of Measure

Primary Harmonized Classification Code

(The field delimiter = |):

Item Master Download File Header

|Whitefloor|White Tile Floor|0.5|0.3|ea|5904.10.0000

|Refrigerator|Deluxe Refrigerator|120|100|ea|8418.21.0010

|Oven|Small Oven|80|40|ea|8419.81.5080

|DlxTrlr|Deluxe Camping Trailer|15000|3000|ea|8716.10.0030|

Item Master Flat File Sample With Watches**Fields Selected:****Item Number Information**

Item Number Item Description

Standard Unit Cost

Standard Unit Weight

Normal Unit of Measure

Primary Harmonized Classification Code

Set/Watch Component Information

FTZ Component's Primary Harmonized Classification Code

FTZ Component's Quantity

FTZ Component's Unit Value

FTZ Component's Secondary Harmonized Classification Code

FTZ Component's Secondary HTS Quantity

FTZ Component's Secondary HTS Value

(The primary field delimiter = |)**(The sub field delimiter = ~)****(No FTZ Component's Secondary HTS)**

Item Master Download File Header

|Gold WatchXYZ|Solid Gold Watch|500|1|ea|9101.11.40

|~9101.11.4010|~1|~120|

|~9101.11.4020|~1|~40|

|~9101.11.4030|~1|~30|

|~9101.11.4040|~3|~50|

Item Master XML Sample Without Watches

```

<SmartZone.Item_Master>
  <Item_Master>
    <Item_Number>12345</Item_Number>
    <Description>Test Item</Description>
    <Standard_Unit_Cost>42.19</Standard_Unit_Cost>
    <Standard_Net_Unit_Weight>19</Standard_Net_Unit_Weight>
    <Estimated_Dutiable_Value>99</Estimated_Dutiable_Value>
    <Company_Commodity_Code>001</Company_Commodity_Code>
    <Default_Buyer_Code>Buyer01</Default_Buyer_Code>
    <Company_Unit_of_Measure>KG</Company_Unit_of_Measure>
    <Primary_Harmonized_Classification>1234.56.7890</Primary_Harmonized_Classification>
    <Harmonized_Classification_Date>01-31-2024</Harmonized_Classification_Date>
    <Most_Common_Country_of_Origin>CN</Most_Common_Country_of_Origin>
    <Most_Common_Manufacturer>MANUFACTURER</Most_Common_Manufacturer>
    <ECCN_Number>17340</ECCN_Number>
    <Import_Treatment>FTZ</Import_Treatment>
    <Primary_HTS_Unit_1_Conversion_Factor>0.25</Primary_HTS_Unit_1_Conversion_Factor>
    <Primary_HTS_Unit_2_Conversion_Factor>0.5</Primary_HTS_Unit_2_Conversion_Factor>
    <Standard_Cost_Effective_Date>01-31-2024</Standard_Cost_Effective_Date>
    <Zone_Status>PF</Zone_Status>
    <Secondary_Harmonized_Classification_Code>9876.54.3210</Secondary_Harmonized_Classification_Code>
    <Secondary_Harmonized_Classification_Date>01-31-2024</Secondary_Harmonized_Classification_Date>
    <Export_Overhead_Percentage>5</Export_Overhead_Percentage>
    <Deactivated>>false</Deactivated>
    <Province_Code>XQ</Province_Code>
  </Item_Master>
</SmartZone.Item_Master>

```

Item Master XML Sample With Watches

```

<SmartZone.Item_Master>
  <Item_Master>
    <Item_Number>12345</Item_Number>
    <Description>Test Item</Description>
    <Standard_Unit_Cost>42.19</Standard_Unit_Cost>
    <Standard_Net_Unit_Weight>19</Standard_Net_Unit_Weight>
    <Estimated_Dutiable_Value>99</Estimated_Dutiable_Value>
    <Company_Commodity_Code>001</Company_Commodity_Code>
    <Default_Buyer_Code>Buyer01</Default_Buyer_Code>
    <Company_Unit_of_Measure>KG</Company_Unit_of_Measure>
    <Primary_Harmonized_Classification_Group>1234.56.7890</Primary_Harmonized_Classification_Group>
    <Harmonized_Classification_Date>01-31-2024</Harmonized_Classification_Date>
    <Most_Common_Country_of_Origin>CN</Most_Common_Country_of_Origin>
    <Most_Common_Manufacturer>MANUFACTURER</Most_Common_Manufacturer>
    <ECCN_Number>17340</ECCN_Number>
    <Import_Treatment>FTZ</Import_Treatment>
    <Primary_HTS_Unit_1_Conversion_Factor>0.25</Primary_HTS_Unit_1_Conversion_Factor>
    <Primary_HTS_Unit_2_Conversion_Factor>0.5</Primary_HTS_Unit_2_Conversion_Factor>
    <No_of_Jewels>0</No_of_Jewels>
    <Standard_Cost_Effective_Date>01-31-2024</Standard_Cost_Effective_Date>
    <Zone_Status>PF</Zone_Status>
    <Secondary_Harmonized_Classification_Code>9876.54.3210</Secondary_Harmonized_Classification_Code>
    <Secondary_Harmonized_Classification_Date>01-31-2024</Secondary_Harmonized_Classification_Date>
    <Export_Overhead_Percentage>5</Export_Overhead_Percentage>
    <Deactivated>>false</Deactivated>
    <Province_Code>CH</Province_Code>
    <Item_Master_Component>
      <Primary_Harmonized_Classification_Code>1234.56.7890</Primary_Harmonized_Classification_Code>
      <FTZ_Components_Quantity>19</FTZ_Components_Quantity>
      <FTZ_Components_Unit_Value>71</FTZ_Components_Unit_Value>
      <FTZ_Components_Standard_Unit_Weight>1.2</FTZ_Components_Standard_Unit_Weight>
      <FTZ_Secondary_Unit_Value>17</FTZ_Secondary_Unit_Value>
      <FTZ_Secondary_HTS_Quantity>2</FTZ_Secondary_HTS_Quantity>
      <Secondary_Harmonized_Classification_Code>4321.65.0987</Secondary_Harmonized_Classification_Code>
    </Item_Master_Component>
  </Item_Master>
</SmartZone.Item_Master>

```

Arriving Cargo Information (ASN) Link (Not Necessary for Core Operation)

Purpose

Arriving Cargo Information is data imported into QAD FTZ for the sole purpose of capturing the Bill of Lading and In-transit information required for admissions and reporting on the CBP214. The capture of this information also minimizes the data entry required by the user by importing values for fields important in the admissions process.

Import of Arriving Cargo Information

The ASN link may be a three “tier” data import record. All information received electronically may be data imported into QAD FTZ. The first tier is the Bill of Lading information which identifies the bill of lading number, mode of transportation, port information and other bill of lading related information. The second tier identifies the in-transit information which includes the in-transit number, date, carrier and other related information. The third tier identifies the Conveyance Information which includes the conveyance number, gross weight, type and number of packages and other related information.

For each tier or level of the Arriving Cargo Information record, as much information as possible should be extracted and written to a text delimited file in the format shown.

Timing of Arriving Cargo Information Links

Data imports will coincide with the arrival of electronic arriving cargo information to the company system. As ASNs are received, links will be created. Links should be requested/scheduled by the QAD FTZ user on an “as needed” basis, depending on the frequency of the receipt of new ASNs or changes to current arriving cargo information. These links will capture any newly added arriving cargo information as well as changes to existing information.

Arriving Cargo Information (ASN) Table

| Field Name | Field Description | Field Size | Required for Processing | Notes: |
|------------------------------|--|---|---------------------------|--|
| Header Record | "ASN Download File Header" | | Required for flat file | |
| Bill Of Lading Record | | | | |
| Bill of Lading Number | Unique Bill of Lading or Airway Bill assigned by the shipping line or air carrier to the inbound shipment. | Text 50 | Required | |
| Bill of Lading Type | Choose from Bill of Lading types Domestic (DOM), Entry (ENT), Foreign (FOR), Zone-to-Zone (ZTZ), or Adjustment (ADJ). | Text 3 | Required | |
| Mode of Transport | Indicates what type of transportation method was used for this shipment. (i.e. Air, Ocean, Rail or Truck) | Text 100 | Required | |
| Foreign Port of Lading | Indicates the foreign port of lading where the shipment originated. Schedule K Code | Text 5 | Conditional ³⁷ | CBP Schedule K - Foreign Port Codes |
| Country of Export | ISO Code of country from where the goods were exported to the U.S. If empty, the system defaults to Country of Foreign Port of Lading. | Text 2 | | Country Codes |
| Domestic Port of Unlading | Indicates the CBP port where the shipment was unladen. Schedule D Code | Text 5 | Conditional ³⁸ | CBP Schedule D - U.S. CBP Port Codes |
| Carrier Code | SCAC Identifier or The International Air Transport Association (IATA) code of the air carrier that brought the shipment to the U.S. | Text 4 | Conditional ³⁹ | |
| Vessel Name | The name of the vessel that brought the shipment to the U.S. | Text 100 | Conditional ⁴⁰ | |
| Export Date | Date the shipment left the foreign country. | MM-DD-YYYY, MM-DD-YY, MM/DD/YYYY or MM/DD/YY | Conditional ⁴¹ | |
| Arrival Date | Date that the shipment is estimated to arrive at the port of unloading. | MM-DD-YYYY, MM-DD-YY, MM/DD/YYYY, or MM/DD/YY | Conditional ⁴² | |
| Import Date | Actual date that the shipment arrives at the port of unloading. | MM-DD-YYYY, MM-DD-YY, MM/DD/YYYY, or MM/DD/YY | Required | |
| VTF Number | Vessel Voyage, Truck/Rail Trip, or Aircraft Flight Number | Text 15 | Conditional ⁴³ | |
| Comments | For user reference | Text 2000 | | |

³⁷ Required depending on the Mode of Transport and Bill of Lading Type selected.

³⁸ Required depending on the Mode of Transport and Bill of Lading Type selected.

³⁹ Required depending on the Mode of Transport and Bill of Lading Type selected.

⁴⁰ Required depending on the Mode of Transport and Bill of Lading Type selected.

⁴¹ Required depending on the Mode of Transport and Bill of Lading Type selected.

⁴² Required depending on the Mode of Transport and Bill of Lading Type selected.

⁴³ Required depending on the Mode of Transport and Bill of Lading Type selected.

| Field Name | Field Description | Field Size | Required for Processing | Notes: |
|------------------------|---|---|---------------------------|--------------------------------|
| Issuer Code of Bill | The SCAC of the party who actually issued the bill of lading. Do not confuse the issuer of the bill with the importing carrier. For in-bonds created as a result of a withdrawal from a FTZ or bonded warehouse. The FIRMS code of the FTZ or bonded warehouse may be used in lieu of the SCAC. | Text 4 | | Only used for QP/WP processing |
| Last Foreign Port | Last Foreign Port of the vessel before arrival at the US port of entry. | Text 5 | | Only used for QP/WP processing |
| Movement Record | | | | |
| Record Type | IT for in-transit | Text 2 | Required for flat file | |
| PTT Indicator | Indicates that a Permit to Transfer has been issued in place of an In-Transit Number | True/False, T/F, Yes/No, Y/N or 1/0 | | |
| In-Transit Number | The In-transit number assigned by CBP for the In-bond movement. | Text 50 | Conditional ⁴⁴ | |
| In-Transit Suffix | The user assigned suffix needed when multiple conveyances on one In-Transit arrive on multiple dates. | 10 Digits ⁴⁵ | | |
| Origination Port | Indicates the CBP Port where the in-transit shipment originated. (format: 9999) | Text 5 | Conditional ⁴⁶ | Only used for QP/WP processing |
| In-Transit Port | Indicates the CBP Port where the in-transit shipment is destined. | Text 5 | Conditional ⁴⁷ | Only used for QP/WP processing |
| In-Transit Date | The date that the In-transit shipment was approved for movement from Transit the initiating port. | MM-DD-YYYY, MM-DD-YY, MM/DD/YYYY, or MM/DD/YY | Conditional ⁴⁸ | Only used for QP/WP processing |
| In-bond Carrier | Indicates the Standard Carrier Alpha Code (SCAC) of the bonded carrier who transported the shipment from the Port of Unlading to the port where the zone is located. If the Port of Unlading is the port where the zone is located this field will be left blank. | Text 4 | Conditional ⁴⁹ | Only used for QP/WP processing |
| Comments | For user reference | Text 1000 | | |

⁴⁴ Only required when importing or manually entering In-transit information.

⁴⁵ The digits of the decimal form of a number beginning with the leftmost nonzero digit and extending to the right beyond the decimal to include all digits.

⁴⁶ Only required when importing or manually entering In-transit information.

⁴⁷ Only required when importing or manually entering In-transit information.

⁴⁸ Only required when importing or manually entering In-transit information.

⁴⁹ Only required when importing or manually entering In-transit information.

| Field Name | Field Description | Field Size | Required for Processing | Notes: |
|-------------------------------|---|---|-------------------------|--|
| FTZ FIRMS Code | The valid FIRMS code of the FTZ or bonded warehouse is required when reporting an in-bond move from an FTZ or bonded warehouse. (QPWP) | Text 4 | | Only used for QP/WP processing |
| Notify Party | A valid Notify party name. (QPWP) | Text 35 | | Only used for QP/WP processing |
| Notify Party Location | Notify Party Location Code. (QPWP) | Text 2000 | | Only used for QP/WP processing |
| Foreign Shipper | A valid foreign shipper name. (QPWP) | Text 35 | | Only used for QP/WP processing |
| Foreign Shipper Location | Foreign Shipper Location Code (QPWP) | Text 2000 | | Only used for QP/WP processing |
| Consignee | A valid consignee name. (QPWP) | Text 35 | | Only used for QP/WP processing |
| Consignee Location | Consignee Location Code. (QPWP) | Text 2000 | | Only used for QP/WP processing |
| Bonded Entity | Code indicating the Bonded Entity. (QPWP) | Text 1 | | Only used for QP/WP processing O = Originator, C = Carrier, D = Destination; Required for QPWP Processing |
| In-Bond Quantity | Quantity of packages on the In-Bond Movement. (QPWP). NOTE: Positive values only. | 26 Digits | | Only used for QP/WP processing |
| Secondary Notify Party | | | | |
| Record Type | SN for Secondary Notify | Text 2 | Required for flat file | Only used for QP/WP processing |
| First Secondary Notify Party | The SCAC of a carrier, FIRMS code of a FTZ, or ABI filer, the code is NNNNXXXNN where NNNN is the Census Schedule D Code representing the CBP port of the second notify party; XXX is the filer code; and NN is the office code, if used by that filer. | Text 9 | | Only used for QP/WP processing |
| Second Secondary Notify Party | | Text 9 | | Only used for QP/WP processing |
| Third Secondary Notify Party | | Text 9 | | Only used for QP/WP processing |
| Fourth Secondary Notify Party | | Text 9 | | Only used for QP/WP processing |
| Conveyance Record | | | | |
| Record Type | MC for Master Conveyance | Text 2 | Required for flat file | |
| Full Container | Indicates if the conveyance is a full Trailer Load | True/ False, T/F, Yes/No, Y/N or 1/0 | | |

| Field Name | Field Description | Field Size | Required for Processing | Notes: |
|---------------------------------------|--|-------------------------|---------------------------|--|
| Conveyance Number (House Airway Bill) | If a containerized shipment, the container number is entered in this field. If mode of Transport is Air, enter the House Airway Bill number. For all other shipment types this is a user created field to differentiate between multiple admissions received against the same bill of lading. May auto-populate with BOL and consecutive suffixes. | Text 250 | Conditional ⁵⁰ | |
| Ocean House Bill of Lading | For ocean shipments this field will contain the ocean house bill of lading. | Text 250 | Conditional ⁵¹ | |
| Seal Number | Indicates the number on the seal located on the container. | Text 250 | | |
| Number of Packages | Number of packages received in this shipment. NOTE: Positive values only. | 26 Digits ⁵² | Conditional ⁵³ | |
| Type of Packages | Type of packages included in the shipment. | Text 15 | Conditional ⁵⁴ | Appendix N - Manifest Units of Measure |
| CBP Admission Number | The CBP 214 number. This number should not be assigned to a conveyance until the zone is ready to receive the inbound shipment. This is the CBP Control number which is user determined. Ex: 00000001 | Text 8 | | |
| Gross Weight | Total gross shipping weight for this shipment in kilograms. | 26 Digits ⁵⁵ | Conditional ⁵⁶ | |
| Aggregate Cost | Total shipping charges paid to move the shipment from the Foreign Ports to the U.S. Ports of Unlading. | 26 Digits ⁵⁷ | Conditional ⁵⁸ | |
| In-Transit Number | The In-transit number assigned by CBP for the In-bond movement. This will assign the conveyance to the IT if it exists or is being added in the same link file. | Text 50 | | |
| Seal Number 2 | A valid exporter/carrier seal number associated with the container. | Text 15 | | |

⁵⁰ Only required when importing or manually entering Conveyance information.

⁵¹ Only required when importing or manually entering Conveyance information.

⁵² The digits of the decimal form of a number beginning with the leftmost nonzero digit and extending to the right beyond the decimal to include all digits.

⁵³ Only required when importing or manually entering Conveyance information.

⁵⁴ Only required when importing or manually entering Conveyance information.

⁵⁵ The digits of the decimal form of a number beginning with the leftmost nonzero digit and extending to the right beyond the decimal to include all digits.

⁵⁶ Only required when importing or manually entering Conveyance information.

⁵⁷ The digits of the decimal form of a number beginning with the leftmost nonzero digit and extending to the right beyond the decimal to include all digits.

⁵⁸ Only required when importing or manually entering Conveyance information.

| Field Name | Field Description | Field Size | Required for Processing | Notes: |
|----------------------------|---|------------|-------------------------|--------------------------------|
| Container Description Code | Type of container or equipment used for shipment. Valid codes are listed in Appendix B. | Text 2 | | |
| Issuer of House Bill | This field is reserved for future use. | Text 4 | | |
| Issuer of Sub house Bill | This field is reserved for future use. | Text 4 | | |
| Sub House Bill Number | This field is reserved for future use. | Text 12 | | |
| Description of Cargo | Text description of the container cargo | Text 12 | | |
| Valuation | A value in whole dollars of the container. (QPWP) | 26 Digits | | Only used for QP/WP processing |
| Comments | For user reference | Text 2000 | | |
| QP Items | | | | |
| Record Type | Must equal QPITEM. | Text 6 | Required for flat file | Only used for QP/WP processing |
| Item Number | Item Master Item Number | Text 50 | | Only used for QP/WP processing |
| Quantity | Quantity of Item Number on Conveyance. NOTE: Positive values only. | 10 Digits | | Only used for QP/WP processing |
| Packaging Marks | | | | |
| Record Type | Must equal ITPM. | Text 4 | Required for flat file | Only used for QP/WP processing |
| Packaging Mark | The written description of the symbols and markings that are on the outside of the packaging. | Text | | Only used for QP/WP processing |

Arriving Cargo Information Flat File Sample

Fields Selected:

Bill of Lading Information
 Bill of Lading Number Mode of Transport Foreign Port of Lading
 CBP Port of Unlading Carrier Code
 Export Date Arrival Date
 Bill of Lading Type In-Transit Record
 In-Transit Number In-Transit Date
 In-Transit Port In-Bond Carrier Notify Party
 Notify Party Location Secondary Notify
 Record Type
 First Secondary Notify Party
 Second Secondary Notify Party
 Third Secondary Notify Party
 Fourth Secondary Notify Party
 Conveyance Record
 Conveyance Type
 Conveyance Number
 Arrive Container
 Seal Number
 Number of Packages
 Type of Packages
 Gross Weight
 Aggregate Cost
 QP Items
 Record Type Item Number Quantity

(The primary field delimiter = |)

(The sub field delimiter = ~)

ASN Download File Header

```

|11111|Air|54901|1704|DL|01/01/2024|01/02/2024|FOR|
|~IT|~12345|~01/01/2024|~4195|~DL|~|Notify Party~|Notify Party Location|
|~~SN|~~SCAC|~~QAD Precision |~~|~~|
|~MC|~CONTAINER|~YES|~1111111111|~2222222222|~10|~CTN|~1000|~5000|
|~~QPITEM|~~ITEM1234|~~42|
  
```

Arriving Cargo Information XML Sample

```

<SmartZone.ASN>
  <ASN>
    <Bill_of_Lading_Number>BOL12345</Bill_of_Lading_Number>
    <Bill_of_Lading_Type>FOR</Bill_of_Lading_Type>
    <Mode_of_Transport>Ocean</Mode_of_Transport>
    <Foreign_Port_of_Lading>54321</Foreign_Port_of_Lading>
    <Domestic_Port_of_Unlading>1001</Domestic_Port_of_Unlading>
    <Carrier_Code>APL</Carrier_Code>
    <Vessel_Name>Big Boy</Vessel_Name>
    <Export_Date>01-19-2024</Export_Date>
    <Arrival_Date>01-20-2024</Arrival_Date>
    <Import_Date>01-21-2024</Import_Date>
    <VTF_Number>VTF1357</VTF_Number>
    <Comments>BOL Comment</Comments>
    <Movement>
      <In_Transit_Number>V171223854</In_Transit_Number>
      <In_Transit_Suffix>1</In_Transit_Suffix>
      <In_Transit_Port>2709</In_Transit_Port>
      <In_Transit_Date>01-22-2024</In_Transit_Date>
      <In_Bond_Carrier>HJSC</In_Bond_Carrier>
      <Comments>Comment</Comments>
      <PTT_Indicator>>false</PTT_Indicator>
      <Secondary_Notify_Party>
        <Record_Type>SN</Record_Type>
        <First_Secondary_Notify_Party>X123</First_Secondary_Notify_Party>
        <Second_Secondary_Notify_Party>Y123</Second_Secondary_Notify_Party>
        <Third_Secondary_Notify_Party>Z123</Third_Secondary_Notify_Party>
        <Fourth_Secondary_Notify_Party>W123</Fourth_Secondary_Notify_Party>
      </Secondary_Notify_Party>
    </Movement>
    <MasterConveyance>
      <Conveyance_Number>HJCU4267106</Conveyance_Number>
      <Seal_Number>S1025898</Seal_Number>
      <Number_of_Packages>19</Number_of_Packages>
      <Type_of_Packages>Boxes</Type_of_Packages>
      <CBP_Admission_Number>CBP00001</CBP_Admission_Number>
      <Gross_Weight>42</Gross_Weight>
      <Aggregate_Cost>3423</Aggregate_Cost>
      <Full_Container>>true</Full_Container>
      <In_Transit_Number >V171223854</In_Transit_Number>
      <QP_Items>
        <Record_Type>QPITEM</Record_Type>
        <Item_Number>ITEM12345</Item_Number>
      <Quantity>19</Quantity>
      </QP_Items>
      <Packaging_Mark>
        <Record_Type>ITPM</Record_Type>
        <Packaging_Mark>Empty Canisters</Packaging_Mark>
      </Packaging_Marks>
    </MasterConveyance>
  </ASN>
</SmartZone.ASN>

```

Admissions Link

Purpose

Inventory balance information is maintained within QAD FTZ only for FTZ (“C”) items. QAD FTZ maintains inventory on a FIFO basis for these items by preserving the company’s receipts (admissions) of these items as “layers” within QAD FTZ exactly as they arrive at the zone. As shipments are made out of the zone, QAD FTZ applies the shipments against the individual admission records or “layers” in the order in which the receipts occurred, regardless of the actual merchandise within the item number being physically shipped from the zone. QAD FTZ then determines which admissions depleted by the shipment were dutiable and calculates the correct amount of duty that is to be paid based on the zone status and Harmonized Classification of the items shipped from the zone.

The admission link data imports the information related to each receipt of a FTZ item at the zone by receiving personnel. This eliminates the double entry of the information by both receiving and FTZ personnel in order to minimize both errors and time spent on data entry.

Import of Admissions Information

Basic receiving information related to all items or parts is currently entered manually or through bar code scanning into either the company’s purchasing system or their inventory system. Generally, the most accurate information is entered at this point because accounts payable and production planning decisions are often based on this information. The FTZ admission link is limited only to those component items to be tracked as FTZ items. All receipts of these items must be data entered into QAD FTZ (including returns), regardless of whether they are foreign-sourced or not. The available quantity of all the admissions recorded within QAD FTZ for a given item is totaled to calculate the current inventory balance for an item. The methodology used to identify these components is described in the specifications for Identification of FTZ Items.

Most companies, when recording the receipt of merchandise, assign a unique number to that receiving record so that it can be later identified either for accounts payable or purchasing. The receipt number may be automatically generated or may indicate a preprinted number on a receiving document. The individual items recorded within this receiving document may then be numbered. This company receipt number becomes the key field for the QAD FTZ admissions records. To make it unique when a receiving document number is used for multiple items, QAD FTZ uses the “line numbers” on the receipt document or a company’s specific numbers to create the unique suffix. If a unique receipt number is automatically generated by the company for each item received, no suffix is necessary within QAD FTZ.

To minimize manual data entry, as much of the information as possible found on the attached list should be extracted and written to a text delimited file which is then imported into QAD FTZ. The ordering of the fields is indicated in the link configuration selected by the user. Each field is preceded by a user selected delimiter. There is no terminating delimiter on any field including the last field in the record.

Timing of Admissions Links

Once the item numbers to be tracked as FTZ items are identified, an initial admission link of these items should be run using the on-hand quantity as the quantity received. QAD FTZ will use the on hand inventory

as an initial “domestic” admission to account for the Beginning Inventory. Subsequent admission links should be scheduled as needed in order to capture all receiving activity for FTZ items on a timely basis for reporting to CBP.

Admissions Table

| Field Name | Field Description | Field Size | Required for Processing | Notes: |
|-----------------------|---|---|-------------------------|---|
| Header Record | “Admission Download File Header” | | Required for flat file | |
| Receipt Number | Unique Number assigned by company receiving system. | Text 50 | Required | |
| Receipt Suffix | This field allows the original company receipt number to be split into multiple receipts. (optional) | 3 Digits ⁵⁹ | Conditional | Required if receipt number is not inherently unique |
| Receipt Date | The date that the item was received at the zone. | MM-DD-YYYY, MM-DD-YY, MM/DD/YYYY, or MM/DD/YY | Required | |
| Bill of Lading Number | The ocean, airway or truck bill of lading that brought the shipment into the United States. Must exist in Arriving Cargo Information to be accepted in the Admission record. | Text 50 | Required | |
| Conveyance Number | If a containerized shipment, the container number is entered in this field. If mode of Transport is Air, enter the House Airway Bill number. For all other shipment types this is a user created field to differentiate between multiple admissions received against the same bill of lading. May auto-populate with BOL and consecutive suffixes. Must exist in Arriving Cargo Information to be accepted in the Admission record. | Text 250 | Required | |
| Invoice Number | Reference number to match logistical receiving invoice number or company’s invoice number. | Text 50 | | |
| Purchase Order Number | The purchase order that the item was received against. Must exist in Purchase Order to be accepted in the Admission Record. If optional Purchase Order functionality is not utilized and the user wants to have associated PO, then PO number should be inserted into the Comments field in this Admission file. | Text 50 | | |
| Item Number | The unique item number received. | Text 50 | Required | |

⁵⁹ The digits of the decimal form of a number beginning with the leftmost nonzero digit and extending to the right beyond the decimal to include all digits.

| Field Name | Field Description | Field Size | Required for Processing | Notes: |
|--------------------------|--|-------------------------------------|---------------------------|--------|
| Actual Quantity | The quantity that was documented as actually received at the zone. NOTE: Positive values only. | 46 Digits ⁶⁰ | Required | |
| Invoice Unit Cost | The invoiced unit value or CBP dutiable value as defined in accordance with the definition in Section 402, Tariff Act of 1930, as amended (19 U.S.C. 1401a). | 46 Digits ⁶¹ | Required | |
| Actual Unit Weight | The actual net unit weight (kg) of the item | 26 Digits ⁶² | Conditional ⁶³ | |
| Actual Country of Origin | The abbreviation of the actual country where the item was made. | Text 2 | Required | |
| Province Code | If the Country of Origin is Mexico, then Province or State is required. | Text 50 | Conditional ⁶⁴ | |
| Actual Import Treatment | The CBP program used to process this item i.e. FTZ, NAFTA, CBI. | Text 4 | Required | |
| Actual Zone Status | The foreign-trade zone status abbreviation requested for this item on this admission (i.e. NPF, PF, DOM, FDP, or ZR). | Text 3 | Required | |
| Inventory Adjustment | Indicates that this admission is an adjustment not a normal receipt. | True/False, T/F, Yes/No, Y/N or 1/0 | | |
| Comments | Allows the user to input any miscellaneous comments. | Text 2000 | | |
| Actual Vendor Code | The actual vendor code the item was purchased from. | Text 50 | | |
| Actual Manufacturer Code | The Manufacturer Identification Code (MID) of the actual manufacturer of the item. | Text 15 | Required | |
| Currency Type | The currency the invoice unit cost is listed in. | Text 10 | Required | |
| Actual AD Duty Owed | Antidumping duties are assessed against a specific Manufacturer/Item combination. If this particular Manufacturer/Item combination is subject to an AD action, this box should be checked. | True/False, T/F, Yes/No, Y/N or 1/0 | | |
| Actual AD Duty Rate | The punitive duty rate over and above the normal duty rate assessed during the course of an AD action. The duty rate is Manufacturer/Item specific. | 46 Digits ⁶⁵ | | |

⁶⁰ The digits of the decimal form of a number beginning with the leftmost nonzero digit and extending to the right beyond the decimal to include all digits.

⁶¹ The digits of the decimal form of a number beginning with the leftmost nonzero digit and extending to the right beyond the decimal to include all digits.

⁶² The digits of the decimal form of a number beginning with the leftmost nonzero digit and extending to the right beyond the decimal to include all digits.

⁶³ Required if item net weight on receipt is different from standard unit weight maintained in the item master.

⁶⁴ Only required if Canada (CA) or Mexico (MX) Country of Origin.

⁶⁵ The digits of the decimal form of a number beginning with the leftmost nonzero digit and extending to the right beyond the decimal to include all digits.

| Field Name | Field Description | Field Size | Required for Processing | Notes: |
|--|---|-------------------------------------|---------------------------|--------|
| Actual AD Case Number | When an AD action is active, a case number is assigned for tracking purposes and must be reported. | Text 50 | | |
| Actual CVD Duty Owed | Countervailing duties are assessed against a specific Manufacturer/Item combination. If this particular Manufacturer/Item combination is subject to a CVD action, this box should be checked. | True/False, T/F, Yes/No, Y/N or 1/0 | | |
| Actual CVD Duty Rate | The punitive duty rate over and above the normal duty rate assessed during the course of a CVD action. The duty rate is Manufacturer/Item specific. | 46 Digits ⁶⁶ | | |
| Actual CVD Case Number | When a CVD action is active, a case number is assigned for tracking purposes and must be reported. | Text 50 | | |
| Visa Number | Record the letter "V" followed by the visa number if the product is exported from a country with a textile visa system as noted in the CBP "Status Reported on Current Import Quotas (Restraint Levels)." | Text 30 | | |
| Admission Type | A code indicating the Admission Type. A Regular Admission C Status Change D Domestic O Overage Admission T Temp Deposit Z Zone-to-Zone | Text 1 | Required ⁶⁷ | |
| Direct Delivery | Indicates whether or not Direct Delivery is utilized in the Zone | True/False, T/F, Yes/No, Y/N or 1/0 | | |
| Watch/Set Components | | | | |
| Primary Harmonized Classification Code | The watch/set component's CBP classification number (format: 9999.99.9999) | Text 12 | Conditional ⁶⁸ | |
| FTZ Component Quantity | The quantity of the watch/set component associated with the Primary Watch/Set Item. NOTE: Positive values only. | 26 Digits ⁶⁹ | Conditional ⁷⁰ | |
| FTZ Component Unit Value | The unit value of the watch/set component associated with the | 26 Digits ⁷¹ | Conditional ⁷² | |

⁶⁶ The digits of the decimal form of a number beginning with the leftmost nonzero digit and extending to the right beyond the decimal to include all digits.

⁶⁷ Only required when electronically transmitting admissions (e214).

⁶⁸ Only required if importing shipped watch/clock items.

⁶⁹ The digits of the decimal form of a number beginning with the leftmost nonzero digit and extending to the right beyond the decimal to include all digits.

⁷⁰ Only required if importing shipped watch/clock items.

⁷¹ The digits of the decimal form of a number beginning with the leftmost nonzero digit and extending to the right beyond the decimal to include all digits.

| Field Name | Field Description | Field Size | Required for Processing | Notes: |
|--|--|-------------------------------------|-------------------------|--------|
| | Primary Watch/Set Item (either unit value or unit value percent can be sent, but not both) | | | |
| FTZ Component Unit Value Percent | The percentage of the unit value of the Primary Watch/Set Item (either unit value or unit value percent can be sent, but not both) | 26 Digits ⁷³ | | |
| FTZ Component Standard Unit Weight | The standard unit weight of the Item Master Watch/Set Component (either unit weight or unit weight percent can be sent, but not both) | 26 Digits ⁷⁴ | | |
| FTZ Component Standard Unit Weight Percent | The percentage of the standard unit weight of the Primary Watch/Set Item (either unit weight or unit weight percent can be sent, but not both) | 26 Digits ⁷⁵ | | |
| FTZ Component Apply GSP Flag | If the FTZ Set Component is applicable for GSP, check this flag. | True/False, T/F, Yes/No, Y/N or 1/0 | | |
| FTZ Component AD/CVD Duty Rate | The AD/CVD Duty Rate of the FTZ Component | 26 Digits ⁷⁶ | | |
| FTZ Component Country Code | The Country Code of the FTZ Component | Text 2 | | |
| FTZ Component Manufacturer Code | The Manufacturer Code of the FTZ Component | Text 15 | | |
| FTZ Component AD/CVD Case Number | The AD/CVD Case Number of the FTZ Component | Text 255 | | |
| FTZ Component Primary Conversion Factor | The Primary Conversion Factor of the FTZ Component. NOTE: Positive values only. | 26 Digits ⁷⁷ | | |
| Secondary Harmonized Classification Code | If secondary is required, the watch component's secondary CBP classification number (format: 9999.99.9999). | Text 12 | | |
| FTZ Component Secondary HTS Quantity | The secondary HTS quantity of the watch component associated with Primary Watch Item. NOTE: Positive values only. | 22 Digits | | |
| FTZ Component Secondary Conversion Factor | The Secondary Conversion Factor of the FTZ Component. NOTE: Positive values only. | 26 Digits ⁷⁸ | | |

⁷² Only required if importing shipped watch/clock items.

⁷³ The digits of the decimal form of a number beginning with the leftmost nonzero digit and extending to the right beyond the decimal to include all digits.

⁷⁴ The digits of the decimal form of a number beginning with the leftmost nonzero digit and extending to the right beyond the decimal to include all digits.

⁷⁵ The digits of the decimal form of a number beginning with the leftmost nonzero digit and extending to the right beyond the decimal to include all digits.

⁷⁶ The digits of the decimal form of a number beginning with the leftmost nonzero digit and extending to the right beyond the decimal to include all digits.

⁷⁷ The digits of the decimal form of a number beginning with the leftmost nonzero digit and extending to the right beyond the decimal to include all digits.

⁷⁸ The digits of the decimal form of a number beginning with the leftmost nonzero digit and extending to the right beyond the decimal to include all digits.

Admission Flat File Sample Without Set/Watches**Fields Selected:**

Receipt Number

Receipt Suffix (Just delimiter for most admissions since not required)

Receipt Date

Bill of Lading Number Conveyance Number Purchaser Order Number Item Number

Quantity

Adjustment Indicator (Just delimiter for all admissions except one marked as "true")

(The field delimiter = |):

Admission Download File Header

|10||5/4/24|HJSCTYOA16202605|227240720|1000|DlxAxle|200|

|20||5/4/24|HJSCTYOA16202605|227240720|1001|DlxWheels|600|

|30||5/4/24|KKLU6600334||1002|CerSink|100|

|40||5/4/24|HJSCTYOA16202605|227240720|1003|Microwave|200|

|150||6/5/24|DSL448934|556472|1000|DlxAxle|80|

|160||6/5/24|||1005|PlstTbl|95|True|

|200||6/6/24|DSL448934|556472|1008|CeilingFan|95|

|250||6/10/24|||1004A|DbIMattress|25|

|300|1|6/18/24|XX112233||1004A|SglMattress|95|

|350||6/19/24|APLU000230039|V44590|1002|StnlsSink|100|

Admission Flat File Sample With Set/Watches

Fields Selected:

Receipt Information

Receipt Number

Receipt Suffix (Just delimiter for most admissions since not required) Receipt Date

Bill of Lading Number Conveyance Number Purchase Order Number Item Number

Quantity

Adjustment Indicator (Just delimiter for all admissions except one marked as "true")

Set/Watch Component Information

Primary Harmonized Classification Code FTZ Component's Quantity

FTZ Component's Unit Value

(The primary field delimiter = |)

(The sub field delimiter = ~)

Admission Download File Header

|10||5/4/24|HJSCTYOA16202605|227240720|1000|GoldWatchXYZ|20|

|~9101.11.4010|~1|~120|

|~9101.11.4020|~1|~40|

|~9101.11.4030|~1|~30|

|~9101.11.4040|~3|~5|

Admission XML Sample Without Set/Watches

```

<SmartZone.Admission>
  <Admission>
    <Receipt_Number>000394043</Receipt_Number>
    <Receipt_Suffix>1</Receipt_Suffix>
    <Receipt_Date>06-27-2024</Receipt_Date>
    <Bill_of_Lading_Number>01452945373</Bill_of_Lading_Number>
    <Conveyance_Number>HJCU4267106</Conveyance_Number>
    <Invoice_Number>53855-3</Invoice_Number>
    <Purchase_Order_Number>PO12345</Purchase_Order_Number>
    <Item_Number>UPH090904</Item_Number>
    <Actual_Quantity_Received>4</Actual_Quantity_Received>
    <Invoice_Unit_Cost>103.75</Invoice_Unit_Cost>
    <Actual_Country_of_Origin>CN</Actual_Country_of_Origin>
    <Actual_Import_Treatment>FTZ</Actual_Import_Treatment>
    <Actual_Zone_Status>NPF</Actual_Zone_Status>
    <Inventory_Adjustment>false</Inventory_Adjustment>
    <Comments>RECEIPT</Comments>
    <Actual_Vendor_Code>27262</Actual_Vendor_Code>
    <Actual_Manufacturer_Code>MANCODE</Actual_Manufacturer_Code>
    <Currency_Type>USD</Currency_Type>
    <Actual_AD-CVD_Duty_Owed>false</Actual_AD-CVD_Duty_Owed>
    <Actual_AD-CVD_Duty_Rate>2.5</Actual_AD-CVD_Duty_Rate>
    <Actual_AD-CVD_Case_Number>1245</Actual_AD-CVD_Case_Number>
    <VISA_Number>1357</VISA_Number>
    <Admission_Type>A</Admission_Type>
    <Direct_Delivery>false</Direct_Delivery>
    <Province_Code>IC</Province_Code>
  </Admission>
</SmartZone.Admission>

```

Admission XML Sample With Set/Watches

```

<SmartZone.Admission>
  <Admission>
    <Receipt_Number>000394043</Receipt_Number>
    <Receipt_Suffix>1</Receipt_Suffix>
    <Receipt_Date>06-27-2024</Receipt_Date>
    <Bill_of_Lading_Number>01452945373</Bill_of_Lading_Number>
    <Conveyance_Number>HJCU4267106</Conveyance_Number>
    <Invoice_Number>53855-3</Invoice_Number>
    <Purchase_Order_Number>PO12345</Purchase_Order_Number>
    <Item_Number>UPH090904</Item_Number>
    <Actual_Quantity_Received>4</Actual_Quantity_Received>
    <Invoice_Unit_Cost>103.75</Invoice_Unit_Cost>
    <Actual_Country_of_Origin>CN</Actual_Country_of_Origin>
    <Actual_Import_Treatment>FTZ</Actual_Import_Treatment>
    <Actual_Zone_Status>NPF</Actual_Zone_Status>
    <Inventory_Adjustment>false</Inventory_Adjustment>
    <Comments>RECEIPT</Comments>
    <Actual_Vendor_Code>27262</Actual_Vendor_Code>
    <Actual_Manufacturer_Code>MANCODE</Actual_Manufacturer_Code>
    <Currency_Type>USD</Currency_Type>
    <Actual_AD-CVD_Duty_Owed>false</Actual_AD-CVD_Duty_Owed>
    <Actual_AD-CVD_Duty_Rate>2.5</Actual_AD-CVD_Duty_Rate>
    <Actual_AD-CVD_Case_Number>1245</Actual_AD-CVD_Case_Number>
    <VISA_Number>1357</VISA_Number>
    <Admission_Type>A</Admission_Type>
    <Direct_Delivery>false</Direct_Delivery>
    <Province_Code>IC</Province_Code>
    <Admission_Item_Component>
      <Primary_Harmonized_Classification_Code>1234.56.7890</Primary_Harmonized_Classification_Code>
      <FTZ_Component_Unit_Value>12.34</FTZ_Component_Unit_Value>
      <FTZ_Component_Quantity>45</FTZ_Component_Quantity>
      <FTZ_Component_Standard_Unit_Weight>2</FTZ_Component_Standard_Unit_Weight>
      <Secondary_Harmonized_Classification_Code>9876.54.3210</Secondary_Harmonized_Classification_Code>
      <FTZ_Secondary_Unit_Value>19.42</FTZ_Secondary_Unit_Value>
      <FTZ_Component_Secondary_HTS_Quantity>19.42</FTZ_Component_Secondary_HTS_Quantity>
    </Admission_Item_Component>
  </Admission>
</SmartZone.Admission>

```

FIFO Processing – Physical vs. Recordkeeping

Inventory balance information is maintained within QAD FTZ only for FTZ (“C”) items. QAD FTZ maintains inventory on a FIFO basis for these items by preserving the company’s receipts (admissions) of these items as “layers” within QAD FTZ exactly as they arrive at the zone.

As merchandise is removed from the zone, QAD FTZ applies the FTZ components contained in the items removed from the zone against the individual admission records or “layers” for those items in the order in which the receipts occurred, regardless of which received components may have been used to manufacture the product.

The shipment link captures shipment header information, identifies the actual items shipped from the zone and identifies the FTZ components (“C”) contained in the shipped items based on the company’s production bills of material or planning bills. Depending on the different ways that merchandise is removed from the zone (i.e. production units, reworks, return to vendors, scrap) multiple shipment links may be required.

FIFO Example

A particular component is sourced from a supplier in the U.S. and an overseas supplier. The first receipt of the item at the zone comes from the U.S. supplier and that is recorded in QAD FTZ as a domestic status receipt. The next receipt of the item comes from the foreign supplier and is recorded in QAD FTZ as a NPF status receipt (duty owed). When the component is used in manufacturing, production personnel physically use the foreign sourced component first since it is more easily accessible. QAD FTZ is informed through the shipment link that the component number is used – not whether it was the foreign-sourced component or the component from the U.S. supplier. QAD FTZ simply depletes the inventory for the component out of the oldest receipt layer – in this case the U.S. sourced layer. QAD FTZ then determines which admissions depleted by the shipment were dutiable (foreign sourced) and calculates the correct amount of duty that is to be paid based on the zone status and Harmonized Classification of the admission record for the items shipped from the zone. In our example, no duty would be paid on this component as long as the received quantity from the U.S. supplier was adequate to cover the entire quantity contained in the manufactured items shipped.

Shipments Link

Purpose

For QAD FTZ purposes, a shipment is any record or action that removes inventory from the zone.

The shipments link data imports the information related to any removal or write off of merchandise from the zone, regardless of whether it has been manufactured or not. This eliminates the double entry of the information by both shipping personnel or materials handlers and FTZ personnel minimizing both errors and time spent on data entry. For manufacturing zones, use of the company's existing bills of material to initially identify the FTZ components to be removed from inventory eliminates the need to maintain a separate bill of material within QAD FTZ which would require the communication of all bill of material changes to FTZ personnel for duplicate processing. However, QAD FTZ also provides the FTZ Administrator with the opportunity to correct the data imported information to report actual parts used (substitutions) when they differ from the "planned."

Import of Shipments Information

Basic information related to all items or parts removed from inventory is currently entered manually or through bar code scanning into the company's inventory system. Generally, the most accurate information is entered at this point because the value of the removed inventory is subtracted from the value of inventory maintained within the company's ledger. In addition, production planning decisions are often affected by this information.

The FTZ Shipments link for distributing zones is usually a two "tier" link record. The first tier is the shipment header that identifies a unique shipment number, shipment date, shipment type and other CBP related information. The second tier identifies the actual items removed from the zone and the quantity removed. This tier will be duplicated at the FTZ component level.

The FTZ Shipments link for manufacturing is usually a three "tier" data import record. The first tier is the shipment header that identifies a unique shipment number, shipment date, shipment type and other CBP related information. The second tier identifies the actual items removed from the zone and the quantity removed. The actual items removed can be either manufactured items or the FTZ items themselves. The third tier identifies the FTZ components actually contained in the item removed from the zone. If the removed item is a manufactured item, there may be multiple FTZ components in the third tier. If the removed item is a FTZ item itself, the third tier will simply be the FTZ component itself.

To minimize manual data entry, as much of the information as possible found on the attached list should be extracted and written to a text delimited file which is then imported into QAD FTZ. The ordering of the fields is indicated in the download configuration selected by the user. Each field is preceded by a user selected delimiter. There is no terminating delimiter on any field including the last field in the record. Immediately following a Shipment Header Record must be all Shipped Items associated with that Shipment Header. Each field in the Shipped Item record is preceded by the original delimiter used in the Shipment Header followed by a second delimiter indicating that this field is part of a sub-record.

If either the shipped items or components are duplicated within a single shipment data import record, the quantities will be combined.

The Shipment Header (Tier 1)

Any removal of merchandise from the zone should cause a shipment data import record to be generated. Examples of merchandise removal would include (but not be limited to): Actual production shipped to customers or to storage, return of components to vendors, scrap, removal of items for quality testing, engineering design, samples, rework done off site, or work done under special work or job orders. The shipment header(s) for actual production shipments to customers is created on a per shipment basis. The shipment number can be internally generated or can be the company number used to identify the customer's shipment. The shipment date is the date the shipment left the zone. The shipment type is a 3 character code defined by the Company to indicate what type of merchandise removal has occurred. Two codes may be necessary for finished production shipped to customers to distinguish between import (to U.S. customers) and export shipments (i.e. IMP = Finished Product for Import; EXP = Finished Products for Export). Customer number (optional field) would indicate the company's customer number. The remaining information required for exports (export reference number and in bond number) generally will be added to the shipment record by the FTZ Administrator within QAD FTZ itself rather than be data imported. In a manufacturing environment, production count point methodology is often used to identify items shipped from the zone. If the production count point is used, there will be only a limited number of shipments submitted to QAD FTZ. These typically report a full day's production, a shift's production or on occasion a production line's output. No customer number would be identified in this type of reporting since the "customer" is the zone itself.

Other types of merchandise removal are often identified within a company's systems by the transaction code used to remove the merchandise from inventory. Many times a company will group these merchandise removals based on the transaction code and will process them in a specific way. For example, all transactions identified as scrap removals may be processed through a scrap process or system to properly account for its removal. As each of these processes or systems is run, a shipment data import record is generated. The shipment number can be internally generated (recommend some arrangement using the date), the shipment date will be the date that the transactions are processed within the company system, the shipment type will identify the type of merchandise removal (i.e. RTV = Return to Vendor), and the customer number would be left blank.

Shipped Items (Tier 2)

This tier is simply the item number actually removed from the zone and the quantity removed. Only those items distributed through the zone or those items that contain FTZ components need to be reported. For manufacturing zones, "M" items will be identified within the Company system through a "where used" process that originates from the FTZ "C" components. As the item numbers being shipped (removed) are processed within the company system, the company's item master is accessed. If the item being shipped is flagged as an "M" or "C" item, a shipped item record is written to the link file.

FTZ Component Items (Tier 3)

This tier details the FTZ component items distributed through the FTZ or those items contained in the item removed from the zone and the total quantity of those components contained in the quantity removed. These items are identified through a bill of material explosion, back flushing operation or other process that identifies merchandise being removed from the company inventory. Each "shipped item" identified in the 2nd tier is exploded until a component flagged as a "FTZ" item is identified or the end of the BOM chain is reached. When a FTZ component is identified, the quantity of that component to be removed within QAD FTZ is calculated by using the "quantity per" found in the BOM, up through the BOM levels, and then extended by the quantity of the shipped item.

For example, 3 finished motor assemblies are shipped. Within each finished motor assembly are 2 subassemblies with 4 bolts each. The bolt is a FTZ component. When the finished assembly is shipped, the bill of material explosion takes place until the bolts are encountered. The quantity is calculated as 3 final assemblies * 2 subassemblies * 4 screws for a total bolt quantity of 24. The bill of material explosion process continues until all FTZ components within a shipped item have been identified and/or the bill of material explosion or back flush is complete.

Timing of Shipment Links

All shipments will be imported as needed based on customer shipments, production counts or any other inventory depletion.

Shipment Table

| Field Name | Field Description | Field Size | Required for Processing | Notes: |
|--|---|-------------------------|---------------------------|--------|
| Header Record | "Shipment Download File Header" | | Required for flat file | |
| Shipment Number | Unique Number assigned by company to the shipment being made. For finished products, may be normal Company shipment number. For inventory removals like RTV, Scrap, it can be system generated just for FTZ processing. | Text 50 | Required | |
| Shipment Date | The date that the shipment occurred. If it is an inventory removal, it can be the date that the link was generated. | Text 50 | Required | |
| Shipment Type | User defined field that identifies the type of shipment being removed. | Text 3 | Required | |
| Customer | The person/group who is the direct beneficiary of the shipped product. Only required for importing individual entry. Not required for weekly entry. | Text 30 | | |
| Comments | For user reference | Text 2000 | | |
| Shipped Items | | | | |
| Item Number | The item number actually removed from the zone. ("M" or "C" items shipped as themselves) | Text 40 | Required | |
| Quantity | Shipped Quantity. NOTE: Positive values only. | 46 Digits ⁷⁹ | Required | |
| Comments | For user reference | Text 2000 | | |
| Version | Indicates the version of the Bill of Materials if the Shipment Item is a manufactured or kitted item | | Conditional | |
| FTZ Component Items Within Shipped Item | | | | |
| Item Number | The FTZ component contained in the shipped item ("C" Items) | Text 50 | Conditional ⁸⁰ | |
| Quantity | Extended quantity of the FTZ quantity contained in the shipped item. NOTE: Positive values only. | 46 Digits ⁸¹ | Conditional ⁸² | |
| Comments | For user reference | Text 2000 | | |

⁷⁹ The digits of the decimal form of a number beginning with the leftmost nonzero digit and extending to the right beyond the decimal to include all digits.

⁸⁰ Only required if importing components, not required if only importing shipped items.

⁸¹ The digits of the decimal form of a number beginning with the leftmost nonzero digit and extending to the right beyond the decimal to include all digits.

⁸² Only required if importing components, not required if only importing shipped items.

Shipment Flat File Sample

Fields Selected:

Shipment Header

Shipment Number Shipment Date Shipment Type

Shipped Items

Shipped Item Number Shipped Item Quantity

FTZ Component Items

FTZ Item Number

FTZ Item Total Quantity

(The primary field delimiter = |)

(The sub field delimiter = ~)

Shipment Download File Header

| | |
|-------------------------|----------|
| 1999081501 08/15/24 TRI | (Tier 1) |
| ~DlxTrlr ~3 | (Tier 2) |
| ~~DlxAxle ~~6 | (Tier 3) |
| ~~DlxWheels ~~12 | (Tier 3) |
| 19990817 08/17/24 TRE | (Tier 1) |
| ~CerSink ~8 | (Tier 2) |
| ~StnlsSink ~5 | (Tier 2) |
| 19990817 08/17/24 TRI | (Tier 1) |
| ~DlxTrlr ~5 | (Tier 2) |
| ~~DlxAxle ~~10 | (Tier 3) |
| ~~DlxWheels ~~20 | (Tier 3) |
| ~~Microwave ~~5 | (Tier 3) |

Shipment XML Sample

```
<SmartZone.Shipment>
  <Shipment>
    <Shipment_Number>12345</Shipment_Number>
    <Shipment_Date>03-13-2024</Shipment_Date>
    <Shipment_Type>IMP</Shipment_Type>
    <Comments>Shipment Comments</Comments>
    <Customer>John's House of Stuff</Customer>
    <Shipment_Item>
      <Item_Number>ITEM12345</Item_Number>
      <Quantity>19</Quantity>
      <Comments>ITEM12345 Comments</Comments>
      <Shipment_Item_Component>
        <Item_Number>ITEM54321</Item_Number>
        <Quantity>42</Quantity>
        <Comments>ITEM54321 Comments</Comments>
        <Version>1</Version>
      </Shipment_Item_Component>
    </Shipment_Item>
  </Shipment>
</SmartZone.Shipment>
```

Shipment 7512 Manifest Link File (Only Necessary for Exports and Outbound Zone to Zone)

Purpose

For QAD FTZ purposes, 7512's are the Manifest Forms for CBP which are approved prior to each individual export or transfer from the zone. With Shipments being moved In-Bond, a Transportation Entry and Manifest are used to estimate merchandise to be removed from the zone for export (T&E) or transfer (IT) in the upcoming week. The Weekly Estimated Entry eliminates the requirement to have individual Transportation Entry and Manifest Form (CBP7512) approved. Instead, the Port Director reviews what the zone expects to move In-Bond, including type of merchandise, quantity, and value. Then upon approval, the zone is free to move that type of merchandise up to the quantity and value that the Port Director has approved over the course of the next week. An individual CBP7512 is still prepared for each In-Bond but a CBP signature is not required and the FTZ Operator signs on CBP's behalf. A copy of the individual CBP7512 is sent to the Port Director, within two working days of the actual Shipment for Entry into the CBP In-Bond system. At the end of the week, the zone operator must submit both a copy of the estimated CBP7512 and copies of the actual CBP7512s for reconciliation purposes.

Import of 7512 Information

The individual 7512 core information can be delivered to QAD FTZ. Realtime In-Bond Shipment information must be available in QAD FTZ to permit the import of the associated Individual 7512 data. The FTZ "7512" link is a two "tier" data import record. The first tier is the "7512" information required for form creation. The second tier identifies the actual shipments covered by the CBP Form 7512 document.

To minimize manual data entry, as much of the information as possible found on the attached list should be extracted and written to a text delimited file which is then imported into QAD FTZ. The ordering of the fields is indicated in the download configuration selected by the user. Each field is preceded by a user selected delimiter. There is no terminating delimiter on any field including the last field in the record. Immediately following a Shipment 7512 Manifest Download File Header must be all data associated with the Individual 7512. The second tier which lists the associated shipments is identified by the original delimiter used in the 7512 data followed by a second delimiter indicating that this field is part of a sub-record. Multiple shipments may be included with one 7512 data record.

Timing of 7512 Links

Individual In-Bond Entries are based on actual shipments, rather than on an "estimate" of what is expected to ship. The zone physically prepares a shipment or shipments for export or movement In-Bond from the zone and stages them, Pending Approval. Shipments destined for the same consignee can be staged together if they are to be consolidated into a single In-Bond transportation document for removal from the zone.

Once the shipments are committed to the QAD FTZ Shipment table, the zone operator can import the 7512 information and create the Individual In-Bond Entry.

Shipment 7512 Manifest Table

| Field Name | Field Description | Field Size | Required for Processing | Notes: |
|----------------------------|---|-----------------------|-------------------------|--|
| Header Record | "Shipment 7512 Manifest Download File Header" | | Required for flat file | |
| Company Reference Number | Internal shipment number | A/N 50 | Required | |
| 7512 Entry Number | CBP provided entry number. QAD FTZ will generate this number if not provided and a block of inbond numbers have been set up in Company Options. | A/N 50 | | |
| Class of Entry | Identifies the type of In-Bond movement: <ul style="list-style-type: none"> · Transportation & Exportation (62-T&E) · In-transit to another port or Bonded facility (61- IT) · Immediate Export (63-IE) · Vessel Supply Immediate Export (63-VSIE) · Vessel Supply Transportation and Exportation (62-VSTE) | A/N 10 | Required | |
| Description of Merchandise | User maintained field | A/N 300 | Required | |
| Bonded Entity | Code indicating the Bonded Entity. C = Carrier D = Destination O = Originator | A 1 | Required | Required for QPWP Processing |
| In Bond Date | The date the In Bond is approved for movement from the zone. | MM-DD-YYYY Date 23 | Required | |
| Number of packages | Number of indicated packages | N 19 | Required | |
| Type of Package | Type of packages included in the shipment | A/N 30 | Required | Appendix B Unit of Measure Codes: https://www.cbp.gov/document/guidance/appendix-b-valid-codes-0 |
| In Bond Carrier | Carrier responsible for the In Bond movement | A/N 5 | Required | Carrier SCAC |
| Gross Weight | Total gross shipping weight in KG | N 19 | Required | |
| Container Number | Internal container number from AMS or "NC" for non-containerized shipment | A/N 250 | Required | |
| Seal Number | Seal Number of container for shipment | A/N 50 | Required | |

| Field Name | Field Description | Field Size | Required for Processing | Notes: |
|-------------------------------|--|-----------------------|-------------------------|--|
| US CBP Port | The Census Schedule D code representing the CBP port of termination for an immediate transportation (61) entry, or the port of exportation for a transportation and exportation (62) entry, or the port of arrival for an immediate exportation (63) entry. (Final Domestic CBP Port) | N 19 | Required | CBP Schedule D - U.S. CBP Port Codes |
| Foreign Port | The Census Schedule K code representing the foreign port of destination for a transportation and exportation (62) or immediate exportation (63) entries. Space fill for immediate transportation (61) entries. | N 19 | Required | CBP Schedule K - Foreign Port Codes |
| In Bond Comments | User maintained field | A/N 2000 | | |
| Export Order Reference Number | The export order that this In-Bond movement is fulfilling | A/N 50 | Required | |
| Export Date | Date cargo leaves U.S. export | MM-DD-YYYY Date 23 | Required | |
| Bill Of Lading Number | Bill of Lading number associated with this In Bond. | A/N 12 | Required | |
| Mode Of Transport | Mode of transport as it leaves the U.S. Use 2-digit codes below: Vessel, Non-containerized - 10 Vessel, Containerized - 11 Barge - 12 Rail - 20 Rail, Containerized - 21 Truck - 30 Truck, Containerized - 31 Auto - 32 Pedestrian - 33 Road, Other - 34 Air - 40 Air, Containerized - 41 Mail - 50 Passenger, Hand-carried - 60 Fixed Transport Installations (Pipeline, powerhouses) - 70 | N 2 | Required | |
| Vessel Name | For ocean shipments enter the vessel name the shipment will be traveling on | A/N 50 | Required | |
| Export Carrier | Vessel, Air or Truck Company carrying shipment out of the U.S. – Carrier must be entered into the Carrier Supporting Table. | A/N 4 | Required | |

| Field Name | Field Description | Field Size | Required for Processing | Notes: |
|-----------------------------------|--|------------|-------------------------|------------------------------|
| VTF Number | The voyage, flight, or trip number of the importing carrier as shown on the shippers manifest. | A/N 15 | Required | |
| US Customs Port | The Census Schedule D code representing the CBP port of the FTZ withdrawal. | A/N 4 | | |
| Lading Pier | Loading Pier | A/N 50 | | |
| Pedimento Number | Required for ports requiring a Pedimento. If the shipment is using both a foreign and domestic port that has the Pedimento box checked in the Ports Supporting Table this field will be able to be populated with the Pedimento Number | A/N 50 | Conditional | |
| Containerized | Is this shipment containerized? | A/N 1 | | |
| Customer Number | Reference number of customer. Must be in the Customer Supporting Table. If it does not exist, then enough information about the customer should be provided to create the Customer record. | A/N 15 | Conditional | |
| Customer Name | Reference number of customer location name. Must be in the Customer Supporting Table. If it does not exist, then enough information about the customer should be provided to create the Customer location name record. | A/N 30 | Conditional | Required for QPWP Processing |
| Customer Street Address | Street address of Manifest destination | A/N 2000 | Conditional | Required for QPWP Processing |
| Customer City | Customer's City | A/N 30 | Conditional | Required for QPWP Processing |
| Customer State Code | Customer's State | A/N 2 | Conditional | Required for QPWP Processing |
| Customer Postal Code | Customer's Postal Code | A/N 30 | Conditional | Required for QPWP Processing |
| Customer Country Code | Customer's Country Code | A/N 2 | Conditional | Required for QPWP Processing |
| Ultimate Consignee Name | Final Consignee's Name | Text 30 | | |
| Ultimate Consignee Street Address | Consignee's street address | Text 2000 | | |
| Ultimate Consignee City | Consignee's City | Text 30 | | |

| Field Name | Field Description | Field Size | Required for Processing | Notes: |
|---------------------------------|--|------------|-------------------------|------------------------------|
| Ultimate Consignee State Code | Consignee's State | Text 2 | | |
| Ultimate Consignee Postal Code | Consignee's Postal Code | Text 30 | | |
| Ultimate Consignee Country Code | Consignee's Country Code | Text 2 | | |
| Forwarding Agent Name | Forwarding Agent's Name | Text 30 | | |
| Forwarding Agent Street Address | Forwarding Agent's Street Address | Text 2000 | | |
| Forwarding Agent City | Forwarding Agent's City | Text 30 | | |
| Forwarding Agent State Code | Forwarding Agent's State | Text 2 | | |
| Forwarding Agent Postal Code | Forwarding Agent's Postal | Text 30 | | |
| Forwarding Agent Country Code | Forwarding Agent's Country | Text 2 | | |
| Shipment Number(s) | | | | |
| Record Type | MS for Master Shipment | Text 2 | Required | |
| Shipment Number | Unique Number assigned by company to the shipment being moved on the 7512. This shipment number should already exist in QAD FTZ. | Text 50 | Required | |
| Package Marks | | | | |
| Record Type | PM for Package Mark | Text 2 | Required for flat file | Required for QPWP Processing |
| Packaging Mark | Description of the package contents or external package marks and numbers. | Text 50 | Required | Required for QPWP Processing |

Shipment 7512 Flat File Sample**Fields Selected:**

Country, Customer Number, Customer Name, Customer State, Customer City, Customer Street Address, Export Order Reference Number, Export Date, Foreign Port, Pedimento Number, US CBP Port, Vessel Name, Mode Of Transport, Carrier, Company Reference Number, Container Number, Gross Weight, In Bond Comments, In Bond Date, Number of packages, Seal Number, Type of Packages, 7512 Entry Number, Class of Entry, Description of Merchandise

(The field delimiter = |)

(The sub field delimiter = ~)

Shipment 7512 Manifest Download File Header

|US|1234|John's FTZ Emporium|AL|Mobile|123 Any Street|XYZ123|2/5/24|42105||2720|Mariner|10|5X
|Test7512|CNT1029384756|55000||2/5/24|15|9876|Cartons|Test7512|62-T&E

(Tier 1)

|~MS|~AutoTest10

(Tier 2)

|~PM|~Packaging Marks

(Tier 2)

Shipment 7512 XML Sample

```

<SmartZone.Shipment_7512_Manifest>
  <Shipment_7512_Manifest>
    <Company_Reference_Number>CRN12345</Company_Reference_Number>
    <CBP7512_Entry_Number>123456789</CBP7512_Entry_Number>
    <Class_of_Entry>62-T&E</Class_of_Entry>
    <Description_of_Merchandise>Stuff</Description_of_Merchandise>
    <Bonded_Entity>O</Bonded_Entity>
    <In_Bond_Date>MM/DD/YYYY</In_Bond_Date>
    <Number_of_Packages>19</Number_of_Packages>
    <Type_of_Package>Cartons</Type_of_Package>
    <In_Bond_Carrier>SCAC</In_Bond_Carrier>
    <Gross_Weight>42</Gross_Weight>
    <Container_Number>CN173406926</Container_Number>
    <Seal_Number>NA</Seal_Number>
    <US_CBP_Port>1001</US_CBP_Port>
    <Foreign_Port>12345</Foreign_Port>
    <Bill_of_Lading_Number>BOL #</Bill_of_Lading_Number>
    <Mode_Of_Transport>30</Mode_Of_Transport>
    <Export_Carrier>Carrier SCAC</Export_Carrier>
    <VTF_Number>NA</VTF_Number>
    <Customer_Number>1234</Customer_Number>
    <Customer_Name>John's FTZ Emporium</Customer_Name>
    <Customer_Street_Address>123 Hong Shu Park</Customer_Street_Address>
    <Customer_City>Shanghai</Customer_City>
    <Customer_State_Code></Customer_State_Code>
    <Customer_Country>CN</Customer_Country>
    <Export_Date>01-31-2024</Export_Date>
    <In_Bond_Comments>OPTIONAL</In_Bond_Comments>
    <Export_Order_Reference_Number>OPTIONAL</Export_Order_Reference_Number>
    <CBP7512_Manifest_Shipments>
      <Record_Type>MS</Record_Type>
      <Shipment_Number>TEST12345</Shipment_Number>
    </CBP7512_Manifest_Shipments>
    <CBP7512_Packaging_Mark>
      <Record_Type>PM</Record_Type>
      <In_Bond_Package_Mark>STUFF</In_Bond_Package_Mark>
    </CBP7512_Packaging_Mark>
  </Shipment_7512_Manifest>
</SmartZone.Shipment_7512_Manifest>

```



Inventory Link File

Purpose

Either annually or via cycle counts, all FTZ inventory record keeping balances must be reconciled and adjusted to (primary system) inventory. In a manufacturing environment, all occurrences of an item must be counted – including all occurrences of items included in manufactured items since FTZ inventory is not relieved until the manufactured item is actually physically removed from the zone.

Import of Inventory Information

If an actual physical inventory is conducted, the physical inventory records captured should be used as the basis for the inventory data import process.

If only cycle counts are done, a where used report should be generated to identify all items containing the FTZ items designated for each cycle count. Those manufactured items as well as the FTZ component itself should be counted as part of the cycle count process. A process will have to be developed to input the results of that cycle count into the same inventory process used for an annual physical inventory.

Once the inventory input is identified (physical inventory or cycle counts), the same explosion methodology used for determining the quantity of FTZ components contained within shipments should be used to determine the physical quantity of the selected FTZ items located in the zone. The results of this explosion should be extracted to an intermediate link file. The multiple occurrences of a FTZ component are then summarized into a single inventory data import record. The methodology used to identify these components is described in the specifications for Identification of FTZ Items.

Timing of Inventory Links

If the company does an annual physical inventory, this link should be run at the conclusion of the inventory process using the inventory information captured.

If the company only does cycle counts, this process should be run as part of the cycle count process.

Inventory Table

| Field Name | Field Description | Field Size | Required for Processing | Notes: |
|-----------------------------|---|--|-------------------------|--|
| Header Record | "Inventory Download File Header" | | Required for flat file | |
| Item Number | The unique item number that was inventoried. | Text 40 | Required | |
| Physical Inventory Date | The date that the item was inventoried. | MM-DD-YYYY, MM-DD-YY, MM/DD/YYYY, or MM/DD/YY | Required | |
| Physical Inventory Quantity | The quantity that was documented as actually inventoried in the zone. NOTE: Positive values only, including quantity 0. | 15 Digits ⁸³ | Required | Quantity 0 must be reported in order to track the inventory balance between QAD FTZ and Company's system |
| Cycle Count | Indicates that this inventory resulted from a cycle count. | True/False, T/F, Yes/No, Y/N or 1/0 | | |

⁸³ The digits of the decimal form of a number beginning with the leftmost nonzero digit and extending to the right beyond the decimal to include all digits.

Inventory Flat File Sample

Fields Selected:

Item Number Inventory Date

Inventory Quantity

(The field delimiter = |)

Physical Inventory Download File Header

|DlxAxle|06/25/24|490|

|DlxWheels|06/25/24|600|

Inventory XML Sample

```
<SmartZone.Physical_Inventory>
  <Physical_Inventory>
    <Item_Number>ITEM12345</Item_Number>
    <Physical_Inventory_Date>03-30-2024</Physical_Inventory_Date>
    <Physical_Inventory_Quantity>19</Physical_Inventory_Quantity>
    <Cycle_Count>true</Cycle_Count>
  </Physical_Inventory>
</SmartZone.Physical_Inventory>
```

Manufacturer Link File

Manufacturer Table

| Field Name | Field Description | Field Size | Required for Processing | Notes: |
|-------------------|--|------------|-------------------------|---|
| Header Record | "Manufacturer Download File Header" | | Required for flat file | |
| Code | Manufacturer ID (MID) Code | Text 15 | Required | Instructions for Deriving MID |
| Name | Name of Manufacturer | Text 100 | Required | |
| Street Address | Street Address for Manufacturer | Text 94 | Required | |
| City | Manufacturer city | Text 67 | Required | |
| State Code | Manufacturer State | Text 2 | Conditional | US States only |
| Postal Code | Manufacturer postal code | Text 10 | Optional | |
| Country Code | Manufacturer Country | Text 2 | Required | |
| Manufacturer Mode | MID for Manufacturer or IMP for Importer | Text 3 | Required | |
| Comments | Free text field | Text 2000 | | |

Manufacturer Flat File Sample File

Fields Selected:

Code, Name, Street Address, City, State Code, Postal Code, Country Code, Manufacturer Mode, Comments

(The field delimiter = |)

Manufacturer Download File Header

```
|FRLAVIE243BRE|LA VIE DE FRANCE|243 RUE DE LA PAYEES|BREMOND|||FR|MID||
```

Manufacturer XML Sample

```
<SmartZone.Manufacturer>
  <Manufacturer>
    <Code>FRLAVIE243BRE</Code>
    <Name>LA VIE DE FRANCE</Name>
    <Street_Address>243 RUE DE LA PAYEES</Street_Address>
    <City>BREMOND</City>
    <State_Code></State_Code>
    <Postal_Code></Postal_Code>
    <Country_Code>FR</Country_Code>
    <Manufacturer_Mode>MID</Manufacturer_Mode>
    <Comments></Comments>
  </Manufacturer>
</SmartZone.Manufacturer>
```

Vendor Link File

Vendor Table

| Field Name | Field Description | Field Size | Required for Processing | Notes: |
|-------------------|---|------------|-------------------------|----------------|
| Header Record | "Vendor Download File Header" | | Required for flat file | |
| Code | Customer system ID for Vendor | Text 50 | Required | |
| Name | Name of Vendor | Text 100 | Required | |
| Street Address | Street Address for Vanufacturer | Text 250 | Required | |
| City | Vendor city | Text 67 | Required | |
| State Code | Vendor State | Text 2 | Conditional | US States only |
| Postal Code | Vendor postal code | Text 10 | Optional | |
| Country Code | Vendor Country | Text 2 | Required | |
| Manufacturer Code | Default MID code associated with Vendor | | Required | |
| Comments | Free text field | Text 2000 | | |

Vendor Flat File Sample File

Fields Selected:

Code, Name, Street Address, City, State Code, Postal Code, Country Code, Manufacturer Code, Comments

(The field delimiter = |)

Vendor Download File Header

|001|LA VIE DE FRANCE|243 RUE DE LA PAYEES|BREMOND||62591|FR|FRLAVIE243BRE|Comments

Vendor XML Sample

```
<SmartZone.Vendor>
  <Vendor>
    <Code>001</Code>
    <Name>LA VIE DE FRANCE</Name>
    <Street_Address>243 RUE DE LA PAYEES</Street_Address>
    <City>BREMOND</City>
    <State_Code></State_Code>
    <Postal_Code></Postal_Code>
    <Country_Code>FR</Country_Code>
    <Manufacturer_Code>FRLAVIE243BRE</Manufacturer_Code>
    <Comments>Comments</Comments>
  </Vendor>
</SmartZone.Vendor>
```

Customer Link File

Customer Table

| Field Name | Field Description | Field Size | Required for Processing | Notes: |
|--|---|--------------------------------------|-------------------------|--|
| Header Record | "Customer Download File Header" | | Required for flat file | |
| Customer Number | Customer ID number | Text 15 | Required | |
| Customer Name | Name of Customer | Text 100 | Required | |
| Customer Street Address | Street Address for Customer | Text 94 | Required | |
| Customer City | Customer city | Text 67 | Required | |
| Customer State Code | Customer State | Text 2 | Conditional | US States only |
| Customer Postal Code | Customer postal code | Text 10 | Optional | |
| Customer Country Code | Customer Country | Text 2 | Required | |
| Comments | Free text field | Text 2000 | | |
| Related Parties | Indicates if the items are sourced from or shipped to a Related Party | True/False, T/F, Yes/No, Y/N, or 1/0 | Optional | CBP Related Parties Info |
| Optional info not required for Customer records | | | | |
| Forwarding Agent Name | Forwarding Agent Name | Text 30 | Optional | |
| Forwarding Agent Street Address | Forwarding Agent Street Address | Text 2000 | Optional | |
| Forwarding Agent City | Forwarding Agent City | Text 30 | Optional | |
| Forwarding Agent State Code | Forwarding Agent State Code | Text 2 | Conditional | US States only |
| Forwarding Agent Postal Code | Forwarding Agent Postal Code | Text 30 | Optional | |
| Forwarding Agent Country Code | Forwarding Agent Country Code | Text 2 | Optional | |
| Ultimate Consignee Name | Ultimate Consignee Name | Text 30 | Optional | |
| Ultimate Consignee Street Address | Ultimate Consignee Street Address | Text 2000 | Optional | |
| Ultimate Consignee City | Ultimate Consignee City | Text 30 | Optional | |
| Ultimate Consignee State Code | Ultimate Consignee State Code | Text 2 | Conditional | US States only |
| Ultimate Consignee Postal Code | Ultimate Consignee Postal Code | Text 30 | Optional | |
| Ultimate Consignee Country Code | Ultimate Consignee Country Code | Text 2 | Optional | |

Customer Flat File Sample File

Fields Selected:

Customer Number, Customer Name, Customer Street Address, Customer City, Customer State Code, Customer Postal Code, Customer Country Code, Comments

(The field delimiter = |)

Customer Download File Header

|1234|LA VIE DE FRANCE|243 RUE DE LA PAYEES|BREMOND||62591|FR|Comments

Customer XML Sample

```
<SmartZone.Customer>
  <Customer>
    <Customer_Number>1234</Customer_Number>
    <Customer_Name>LA VIE DE FRANCE</Customer_Name>
    <Customer_Street_Address>243 RUE DE LA PAYEES</Customer_Street_Address>
    <Customer_City>BREMOND</Customer_City>
    <Customer_State_Code></Customer_State_Code>
    <Customer_Postal_Code>62591</Customer_Postal_Code>
    <Customer_Country_Code>FR</Customer_Country_Code>
    <Comments>Comments</Comments>
  </Customer>
</SmartZone.Customer>
```

Bill of Material Link File

Bill of Material Table

| Field Name | Field Description | Field Size | Required for Processing | Notes: |
|------------------------------------|---|--|-------------------------|---|
| Header Record | "Bill of Material Download File Header" | | Required for flat file | |
| Bill of Material Name | Used to indicate the Version of the BOM | Text 250 | Conditional | Either "Bill of Material Name/Version" or "Default" needs to be populated |
| Default | True/False, T/F, Yes/No, Y/N, or 1/0 | | Conditional | Either "Bill of Material Name/Version" or "Default" needs to be populated |
| Item Number | Finished Good Item Number (Item Master type M or K) | Text 50 | Required | |
| Effective Date | Date BOM became effective | MM-DD-YYYY, MM-DD-YY, MM/DD/YYYY, OR MM/DD/YY | Required | Commonly set as the current date when the file is loaded into QAD FTZ. |
| Termination Date | Date BOM was/will be terminated | MM-DD-YYYY, MM-DD-YY, MM/DD/YYYY, OR MM/DD/YY | Optional | |
| Comments | Free text field | Text 1000 | Optional | |
| Bill of Material Components | | | | |
| Item Number | Component Item Number (Item Master type R) | Text 50 | Required | |
| Quantity | Component quantity for 1 Finished Good | | Required | |
| Yield Loss | Quantity of yield loss resulting from manufacturing process | | Optional | |

Bill of Material Flat File Sample File

Fields Selected:

Bill of Material Name, Default, (FG) Item Number, Effective Date, (Component) Item Number, Quantity, Yield Loss

(The field delimiter = |)

(The sub field delimiter = ~)

Manufacturer Download File Header

|001|True|Item#123|4/24/2025

|~Item#ABC|~1|~0.01

|~Item#DEF|~1|~0.01

Bill of Material XML Sample

```
<SmartZone.Bill_Of_Material>
  <Bill_Of_Material>
    <Item_Number>Item#123</Item_Number>
    <Bill_Of_Material_Name>BOM VERSION</Bill_Of_Material_Name>
    <Bill_Of_Material_Detail>
      <Item_Number>Item#ABC</Item_Number>
      <Quantity>COMPONENT 1 QUANTITY</Quantity>
      <Yield_Loss>0.01</Yield_Loss>
    </Bill_Of_Material_Detail>
    <Bill_Of_Material_Detail>
      <Item_Number>Item#DEF</Item_Number>
      <Quantity>COMPONENT 2 QUANTITY</Quantity>
      <Yield_Loss>0.01</Yield_Loss>
    </Bill_Of_Material_Detail>
  </Bill_Of_Material>
</SmartZone.Bill_Of_Material>
```

Product Information Resources

QAD offers a number of online resources to help you get more information about using QAD products.

[QAD Forums \(community.qad.com\)](https://community.qad.com)

Ask questions and share information with other members of the user community, including QAD experts.

[QAD Knowledgebase \(knowledgebase.qad.com\)*](https://knowledgebase.qad.com)

Search for answers, tips, or solutions related to any QAD product or topic.

[QAD Document Library \(documentlibrary.qad.com\)](https://documentlibrary.qad.com)

Get browser-based access to user guides, release notes, training guides, and so on; use powerful search features to find the document you want, then read online, or download and print PDF.

[QAD Learning Center \(learning.qad.com\)*](https://learning.qad.com)

Visit QAD's one-stop destination for all courses and training materials.

*Log-in required