WorldShip XML Auto Import Process

The XML Auto Import feature allows WorldShip to import and process shipments in an XML-formatted file. When shipments are processed, an output file is created, and it contains the shipment, processing status, and tracking number. You can view the output file, or log file, to see any shipments that were not processed. Additionally, you can manually update these failed imported shipments and attempt to re-process them.

Here is a brief description of the process:

- Install WorldShip 16.0.

- Prepare your XML file.

- Start WorldShip and select a drive and path location for the .XML input and output files.

- WorldShip automatically looks for and processes any XML files found in the designated folder. The original .XML file is renamed with an .xxx file extension. Also, the output file and the log file are generated. This process continues until you turn off the XML Auto Import process in WorldShip.

What you will need to get started

1. To import and process shipments using the XML Auto Import feature, you need to create your XML according to the schema format found in the following directory once you have installed WorldShip 16.0: \UPS\WSTD\OpenShipments.xdr

   Note: Do not modify the OpenShipments.xdr file.

2. Select a drive and path location for the XML input file(s) that are generated from your external application.

TASK 1: Preparing and Reviewing Your XML File(s)

Step	Description
1. Create a new, blank XML file using notepad, textpad, WordPad, or an XML Editor. OpenShipments.xdr represents the schema, or format, to which your XML file must conform. Insert the header information at the top of each XML file that you process.	**Example File: YourCompany.XML** <?xml version="1.0" encoding="windows-1252"?> <OpenShipments xmlns="x-schema: OpenShipments.xdr">

Step	Open Shipment Option Codes	
2. The Open Shipment Option code is included in your <OpenShipment> header block. You must use one of these codes. If the shipment option is blank, the shipment defaults to Standard Outbound. If you have shipments with more than one option code to import, you need a new block for each different option code. **Example: Shipment Option is Blank (Standard Outbound)** <?XML VERSION="1.0" ENCODING="WINDOWS-1252"?> <OPENSHIPMENTS XMLNS="X-SCHEMA:OPENSHIPMENTS.XDR"> <OPENSHIPMENT SHIPMENTOPTION="" PROCESSSTATUS=""> **Example: Shipment Option is LT (Trade Direct-LTL)** <?XML VERSION="1.0" ENCODING="WINDOWS-1252"?> <OPENSHIPMENTS XMLNS="X-SCHEMA:OPENSHIPMENTS.XDR"> <OPENSHIPMENT SHIPMENTOPTION="LT" PROCESSSTATUS="">	**Valid Values** — **Description**	
	{Blank}	Standard Outbound
	RS	Return Services
	EU	World Ease - European Union
	SC	World Ease - Single Country
	LT	Trade Direct - LTL
	SP	Trade Direct - Small Package

Previous WorldShip XML Auto Import users: If you are currently using XML, your current XML files will still work when you upgrade to WorldShip 16.0. However, you will not be able to take advantage of the new WorldShip 16.0 features unless you modify your XML to conform to the WorldShip 16.0 schema.

3. Every open shipment contains information blocks. The minimum required blocks for a Small Package XML Auto Import include:

- Ship To
- ShipmentInformation
- Package

Rules for ShipTo information block • The shipment will fail if one of these tags is blank: • <CompanyOrName> <Address1> <CityOrTown> <CountryTerritory> • The shipment will fail if <CountryTerritory> has	***Example ShipTo information block*** <ShipTo> <CompanyOrName>**ABC Company**</CompanyOrName> <Attention>**George**</Attention> <Address1>**6th Avenue**</Address1> <CityOrTown>**New York**</CityOrTown>

Step	Description
invalid data. • The shipment will fail if the conditionally required fields (required for certain country origin/destination pairs) <Attention>, <Telephone>, <Postalcode> are not provided or are incorrect when they are required for certain country origin/destination pairs.	<CountryTerritory>**US**</CountryTerritory> <PostalCode>**10001**</PostalCode> <StateProvinceCounty>**NY**</StateProvinceCounty> <Telephone>**212-444-3232**</Telephone> <EmailAddress1>**George@ABCCompany.com</**EmailAddress1**>** </ShipTo>
Rules for ShipmentInformation Block ▪ When the XML input file has a <ShipmentInformation> block, all of the information blocks that are provided with data will be processed. ▪ When the XML file **does not have** the <ShipmentInformation> or the blocks, the XML file will not process. You will receive an error message and be prompted to view error messages in your .log file. ***A Note about Billing Options*** ▪ You must be familiar with the pairing of billing options, the movement, and certain rules that apply for the shipment's country of origin and destination • Who Pays What takes precedence if both Who Pays What and the Legacy billing option exist in the import file. • Who pays What Billing Option is only supported in <ShipmentInformation> tag	***Example ShipmentInformation Block*** <ShipmentInformation> <ServiceLevel>**ES**</ServiceLevel> <PackageType>**CP**</PackageType> <NumberOfPackages>**1**</NumberOfPackages> <ShipmentActualWeight>**70**</ShipmentActualWeight> <DescriptionOfGoods>**Computer Hardware**</DescriptionOfGoods> <BillingOption>**PP**</BillingOption> </ShipmentInformation> <!—Legacy billing option -- > <BillingOption>PP</BillingOption> <!—Who Pays What billing option -- > <BillTransportationTo/> <BillDutyTaxTo/> <SplitDutyAndTax/>

Rules for Package Block
 	
• When importing the <Package> block, certain fields cannot be imported in the <ShipmentInformation> block or a conflict will result and the shipment will not be processed. These fields include:
 	
  • PackageType
  • ShipmentActualWeight
  • ShipmentDimensionalWeight
  • Reference1,2,3,4,5
  • Length
  • Width
  • Height
	Example Package Block
	
	<Package>
	    <PackageType>**CP**</PackageType>
	    <ShipmentActualWeight>**36**</ShipmentActualWeight>
	    <ShipmentDimensionalWeight>**144**</ShipmentDimensionalWeight>
	    <Reference1>**pkg ref1-1**</Reference1>
	    <Reference2>**pkg ref2-1**</Reference2>
	    <Length>**48**</Length>
	    <Width>**24**</Width>
	    <Height>**63**</Height>
	</Package>

Step	Description
4. When you have completed preparing and reviewing your XML input file, you are ready to start WorldShip 16.0.	

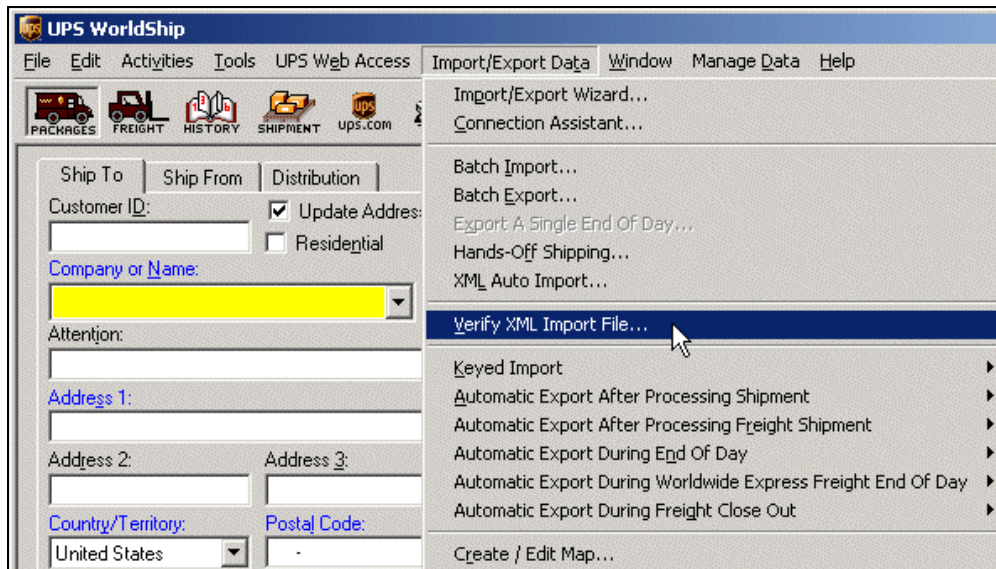## TASK 2: Verify the XML Import File

To validate the structure of an XML import file:

1. Select Verify XML Import File on the Import/Export Data menu.

2. In the Verify XML Import Files window:

- Click the down arrow in the Map Type box and select a map type (that is, Address Book XML, Commodity XML, Freight Commodity XML, Freight Handling Unit XML, Shipment XML, or Shipment XML (Auto Import)).

- Enter the path and file name in the Import File Name box or click the Browse button and browse to and select the file to be verified.

- Click the Verify button. WorldShip validates the XML file against the import schema based on the selected map type and displays the results in the Results box.

Verify XML Import File

Map Type

Address Book XML

Import File Name

D:\UPS\WSTD\XML\Address.xml   Browse...

Results

Disclaimer:
The XML Validation Tool will verify that the structure of your XML file is correct. Tag names and node structure will be verified, open/close tags will be matched, and some data properties will be verified. Successful validation with this tool will not guarantee the XML file can be processed successfully in WorldShip because it does not verify that all required fields are included in the file.
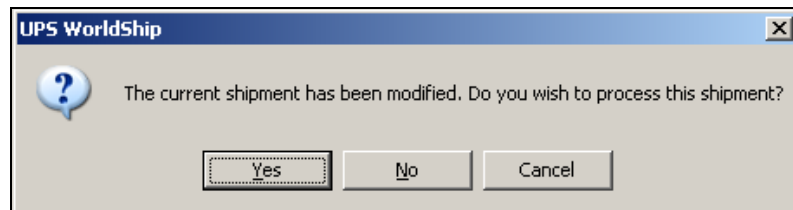
Verify

Close

Help

TASK 3: Import and Process Open Shipments in Your XML File

1. Select XML Auto Import on the Import/Export Data menu.
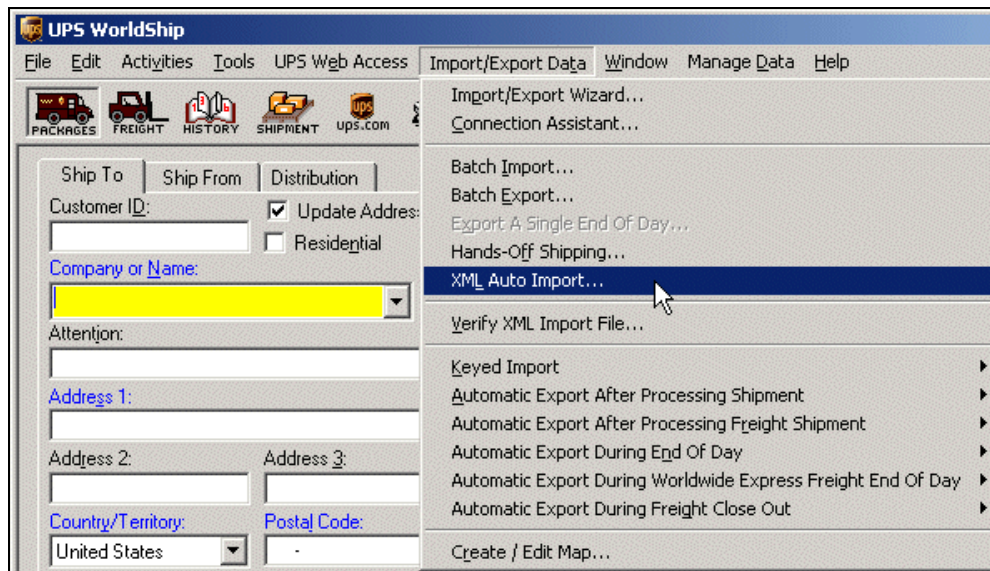
2. If the Shipping window has data when you begin an XML Auto Import, the message "Do you wish to process the shipment" appears. Process any shipments and reselect XML Auto Import.

3. When the XML Auto Import window appears, click the Browse button or use the WorldShip default directory to indicate the location of your XML input file.

   The WorldShip default location is: **C:\UPS\WSTD\ImpExp\XML Auto Import**

4. Click the Browse button or use the WorldShip default directory to indicate the location of your log file as well.

   The WorldShip default location is: **C:\UPS\WSTD\SYSLOG\XML Auto Import**

5. Select the file directory and click the OK button.

   Note: You can place your XML file(s) and your .log file in your preferred location.
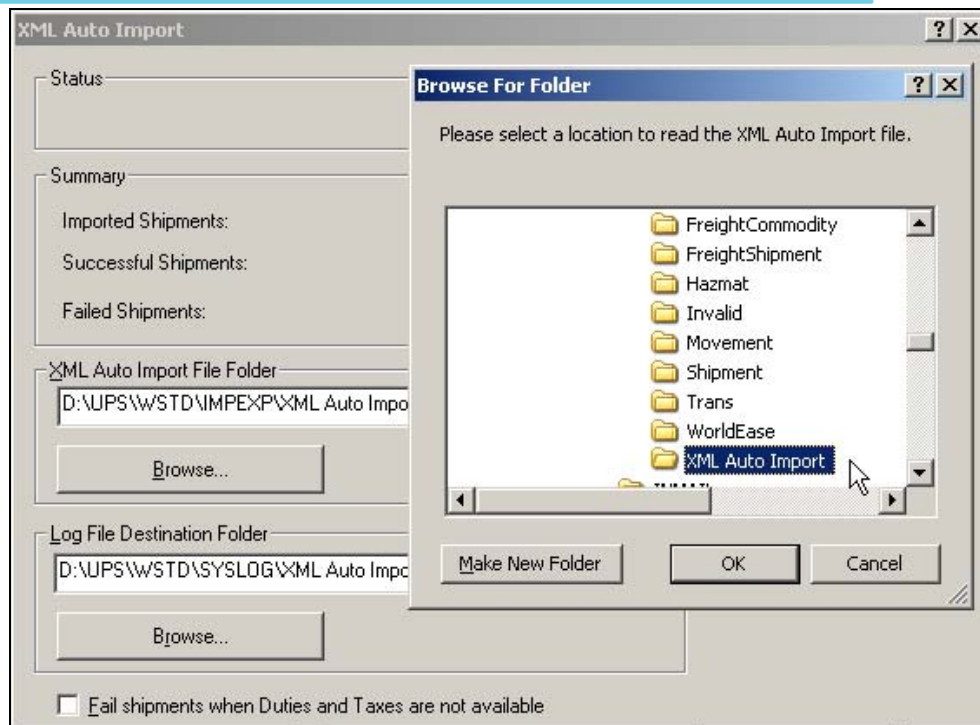
   Tip: You may click the Make New Folder button to create an appropriate directory structure, such as XML-JAN-2013 or XML-2013 to organize your data files in chronological order.

6. WorldShip 16.0 prompts you to check your print stock. It is important to estimate adequate labels before confirming and starting the import process. When your printer runs out of labels during a process, it sends you a message but continues processing your open shipments. Those shipments process, but labels will not be printed. You must match the last label printed with the open shipment data in your XML file.

7. For Non-US/PR origins only: The US FDA Food Import Prior Notice window appears. Review the information and complete the form if the notice applies to any of your shipments.
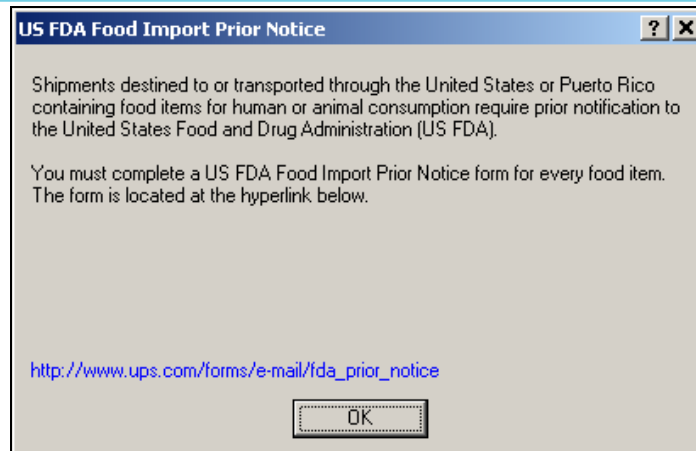
   **Note**: Further information is available on www.ups.com/forms/e-mail/fda_prior_notice.

8. The Progress window appears. There are two areas of the window that provide a status of your import process:

    - The progress bar area (1) appears with a UPS package car icon, which moves forward as the percentage of open shipments process.

    - The Shipments area (2) indicates in a column how many shipments are remaining, successful, and have failed to process. The Total is indicated at the bottom of the column.

    - The progress bar indicates 100% (3) when the import has completed. You may choose to click on the View Log button (3) to get information on your import process.
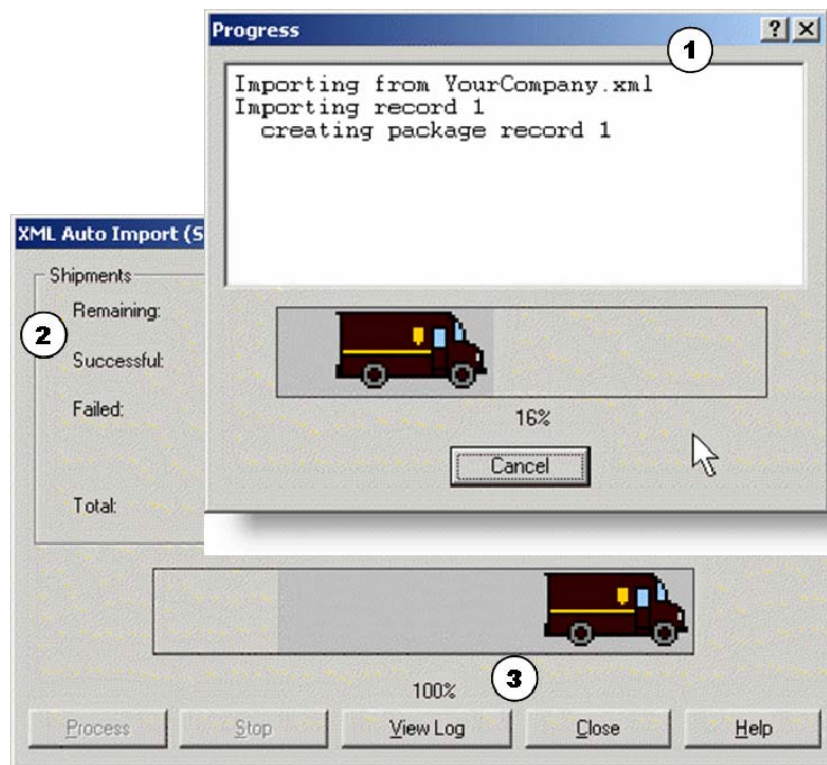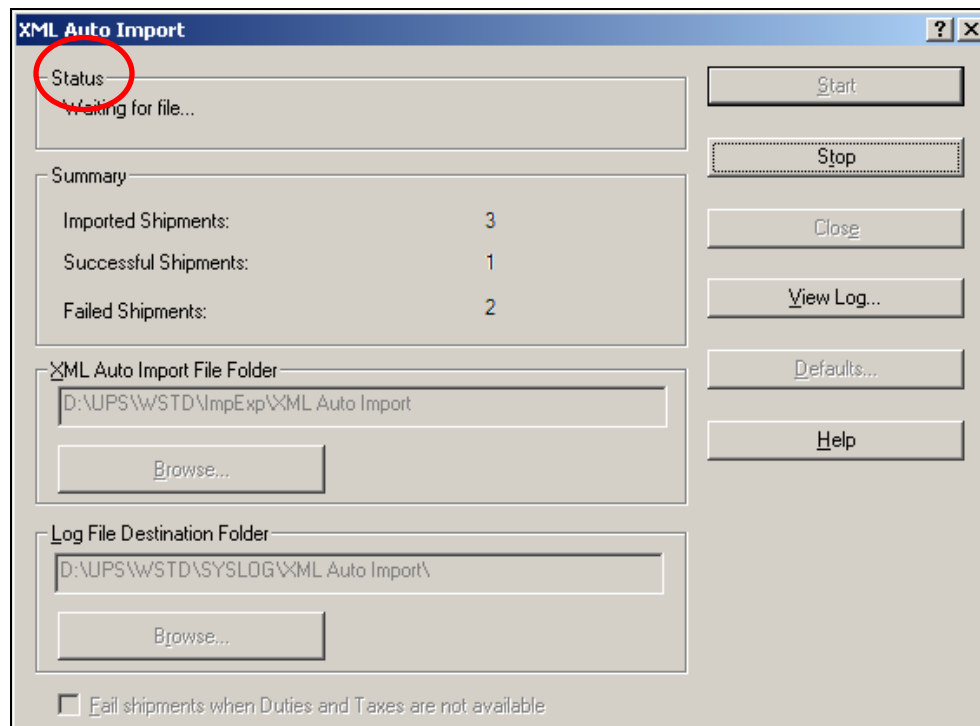
9. The XML Auto Import window appears, and WorldShip provides another opportunity for you to view the log file for any errors.

A WORD ABOUT STOPPING AN XML AUTO IMPORT OR SHIPPING PROCESS

There are two places where you can stop or cancel the XML Auto Import process.

1. Stopping an XML Import Process

The first place to stop or cancel the XML Auto Import process is during an import. When you click the Start button, WorldShip gathers the XML input data to be processed. When you stop at this phase, you will not see updated information in the .log file. The .out file indicates any errors that may have been found while importing before you stopped the process. (When you click the Stop button, you will have the opportunity to restart the import and continue processing.)

You should view the log file for errors that may have processed before you stopped the process.

You may review your .log or .out file to see why your shipments did not process as explained in Task 3 (below).

2. Stopping an XML Import Shipping Process

The second place to stop or cancel the XML Auto Import is after the data has been validated and imported, but before the shipments have been processed and the labels have been printed. You are given an opportunity again to stop the shipment processing and printing of labels.

You should view the log file for errors that may have occurred before you stopped the process.

You may review your .log or .out file to see why your shipments did not process as explained in Task 4 (below).

TASK 4: View Your Log, Output File, or In-Error Shipments Folder to Make Corrections

A log file provides a quick summary of your XML Auto Import from the WorldShip window. The log file provides a summary of the shipment's status or failure; however, the information blocks, or field tags are not indicated. When you stop an import versus a shipment process (as explained previously), you will be able to see any interim processing through a log file. Based upon the stage of an import process, WorldShip may not generate an output file.

Viewing Log Files

1. From the XML Auto Import window, click the View Log button.
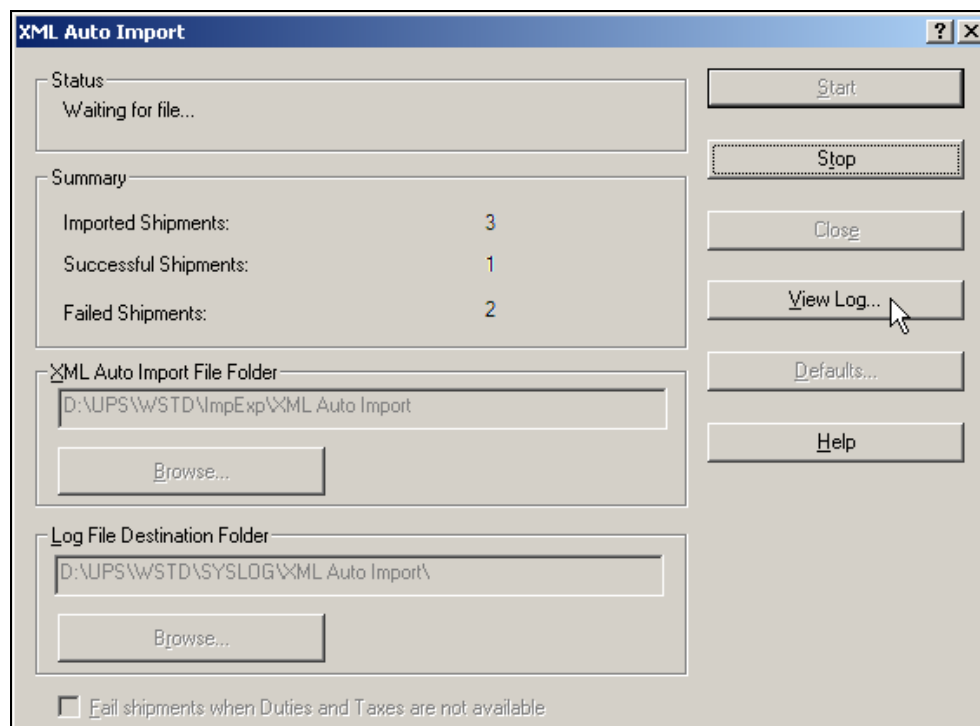
2. The log file below indicates the country origin, country destination, and the customer id for the first open shipment. In this example, the log file indicates two advisories:

   ▪ XYZCust1 (1) and XYZCust2 (2) were processed. The advisory indicates that the XML import process reset the invoice currency to US dollar for both XYZCust1 and XYZCust2.

   ▪ XYZCust5 (3) was not processed. The reason for error is given. This is a Dangerous Goods shipment. You must manually process a Dangerous Goods shipment.

Viewing the .OUT File

Once your XML file, named **YourCompany.XML** in this example, is imported and shipping labels are printed, the **YourCompany.XML** file is unchanged and is renamed to **YourCompany.xxx**. An output file is created and given the name **YourCompany.out**. The output file is placed in the same folder as the **YourCompany.XML** file.

The output file indicates all shipment information blocks and fields, as well as the process status and error messages.

It will also contain the shipment rates, as specified by the customer in the **Tools > Shipper Editor > Modify > Rating Preference** dialog. The rate is exported to the .out file only if the following configuration parameter is set to 1 in the wstdshipuser.ini file:

[configuration]

DoNotExportXMLRates=1

Only the output file provides the tracking numbers when successful. When you stop an import process, depending upon the validation phase, WorldShip may not provide an .out file for your review. Only the .log file is guaranteed to be generated.

To view the .out file:

1. Select the output file in the location of your XML input file(s). Output files have the extension .OUT.

2. Open the output file with Notepad.

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3. With the output file opened in Notepad, review all errors for any failed shipments that were indicated on the Status Summary Box.

   ▪ The XML file used the WorldShip 16.0 <ShipmentInformation> block (1).

   ▪ In the example below, the CustomerId ABCCust5 (2) process status is "Fail to Import." The country origin is the US and the country destination is US. It is a HAZMAT shipment. HAZMAT shipments will not auto import. You would need to process this shipment manually.

Reviewing the Shipment History Window "In Error Shipments" Folder

When WorldShip finds an error in a shipment being processed following an XML Auto Import, WorldShip also enters that shipment information in the In-Error Shipments folder in Shipment History. This folder provides the opportunity for you to review all of the open shipments that did not successfully process. All information blocks and field information appear.

The example shows the Shipment History window for shipper WX0165.

- The left pane of the Shipment History window (1) displays the In Error Shipments folder. When the folder is expanded by selecting the + button, the Shipper WX0165 In Error Shipments appears.

- The error shipment displays the recipient's name, followed by the Tracking Number, if one is available (2).

- In the example below, the customer selected the error shipment and expanded the shipment information. The right pane of the Shipment History Window (3), with the Ship To tab selected, displays the shipment level information for the shipper that was in error. The Package Level information is also provided when the shipment selected is expanded.